Programmed by

GREAT LAKES DIVISION

INLAND WATERS BRANCH

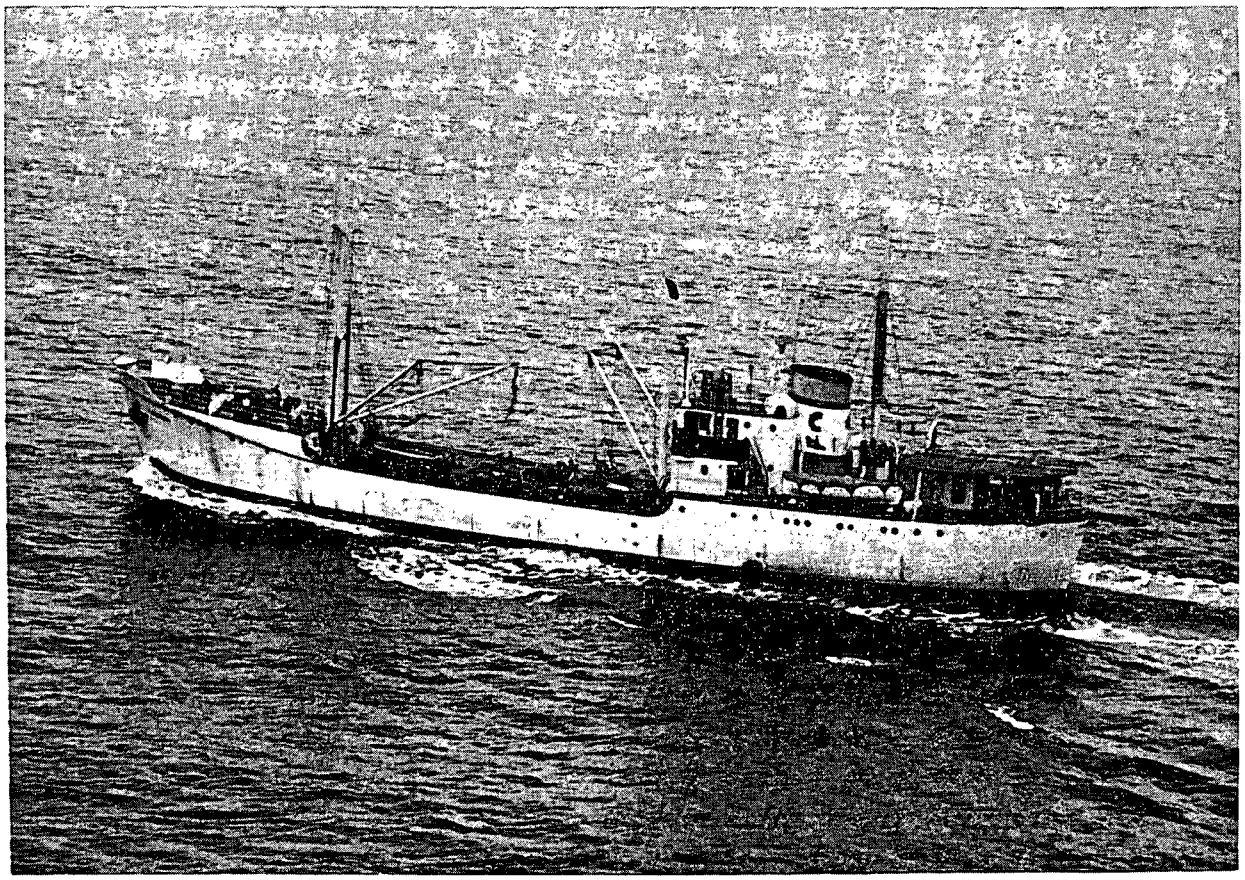
DEPARTMENT of ENERGY, MINES & RESOURCES

and

PUBLIC HEALTH ENGINEERING DIVISION

DEPARTMENT of NATIONAL HEALTH & WELFARE

CANADA



M.V. "Theron"

LIMNOLOGICAL DATA REPORT NO. 3

LAKE ONTARIO

CRUISE 67 - 011, August 21 - 25

CRUISE 67 - 013, September 5 - 9

CRUISE 67 - 015, September 16 - 21

1967

CANADA CENTRE FOR INLAND WATERS
BURLINGTON, ONTARIO

FOREWORD

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

The agencies involved were:

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

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

(1) Are the waters of Lake Erie, Lake Ontario and the International Section of the St. Lawrence River being polluted on either side of the boundary to an extent which is causing or is likely to cause injury to health or property on the other side of the boundary?

(2) If the foregoing question is answered in the affirmative, to what extent, by what causes, and in what localities is such pollution taking place?

(3) If the Commission should find that pollution of the character just referred to is taking place, what remedial measures would, in its judgement, be most practicable from the economic, sanitary and other points of view and what would be the probable cost thereof?

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

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

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

INTRODUCTION

This report is one of a series listing chemical, bacteriological and physical data for waters of Lake Ontario, observed by Government of Canada agencies. Eleven cruises of Lake Ontario were carried out between June 12 and November 2, 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 "Theron", chartered by the Department of Energy, Mines and Resources.

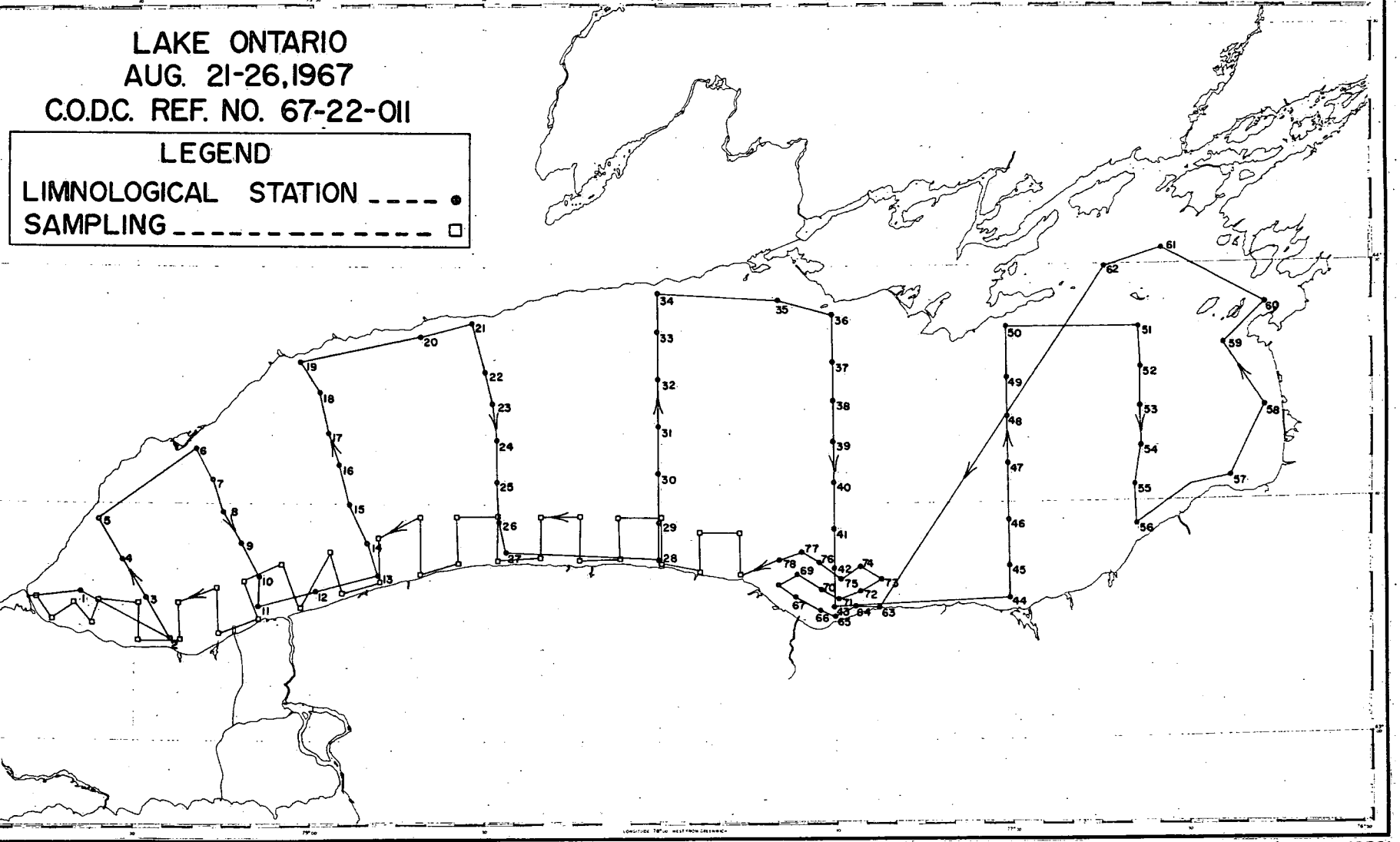
Water-quality data gathered during eleven monitor cruises in 1967 are contained in the present series. Not reported on are several cruises related to Physical, Geological and Seismic Surveys. Supplementary bathythermograph data and weather data are available on request from the Canada Centre for Inland 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. 67-20 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 ONTARIO
AUG. 21-26, 1967
C.O.D.C. REF. NO. 67-22-011



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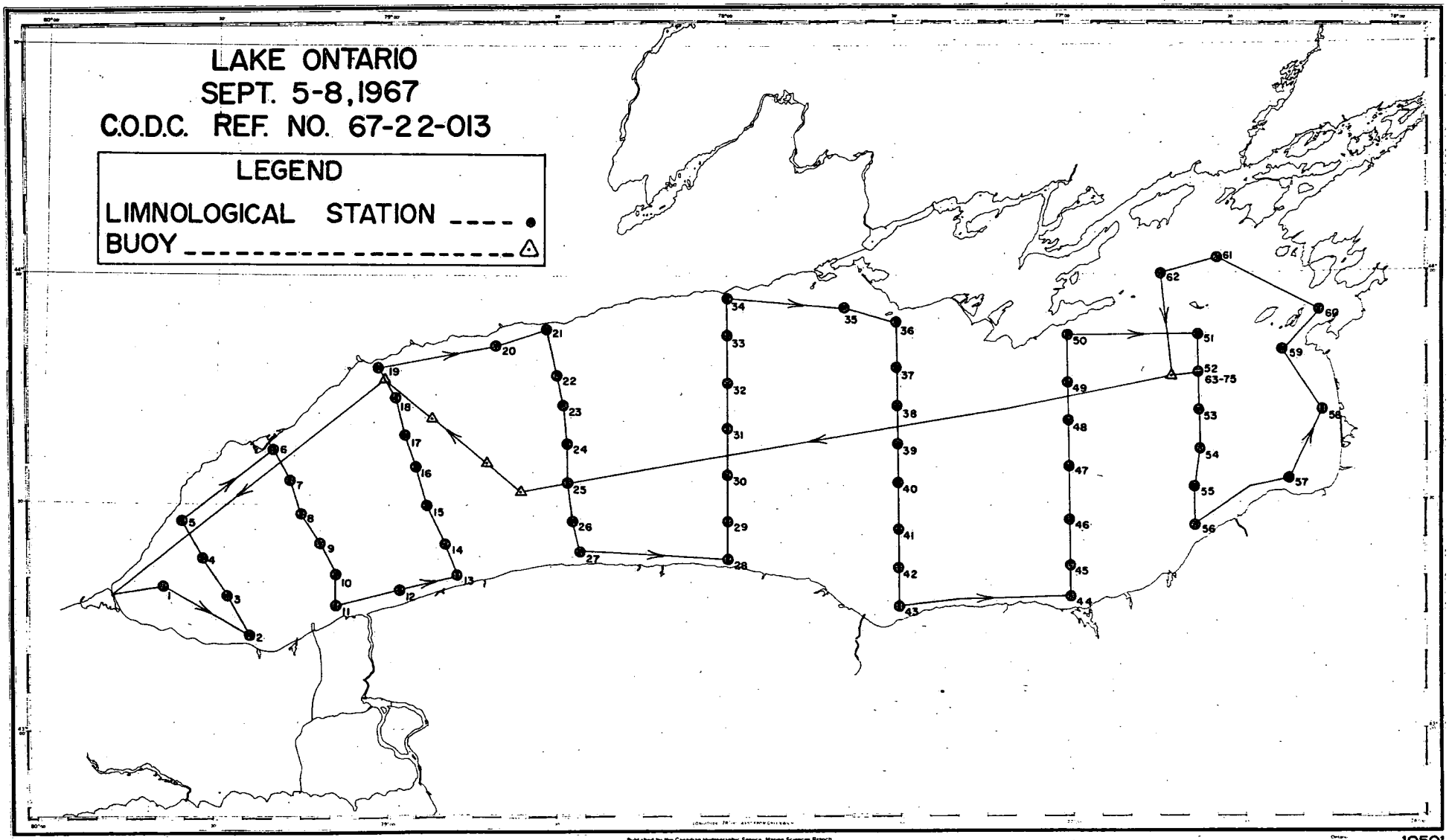
LAKE ONTARIO

10501



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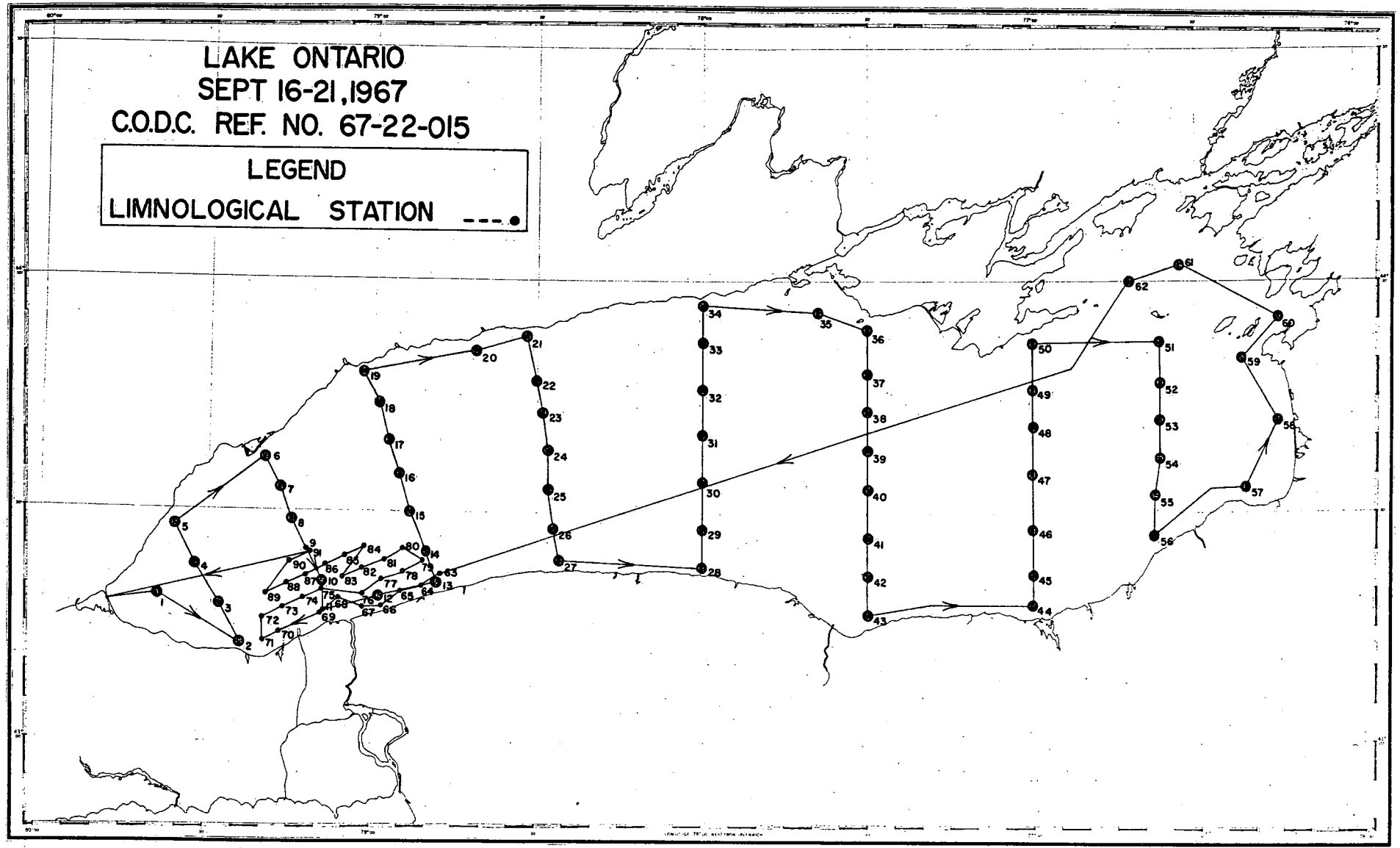
LAKE ONTARIO

10501



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LAKE ONTARIO

10501

Summary of the cruises and data listed in Data Reports Numbers 1 to 4.

Data Report No.	1			2
Cruise No.	67-001	67-003	67-005	67-007
Dates (1967)	June 12 June 17	June 25 June 29	July 10 July 13	July 25 July 30
Cruise Type	Monitor	Monitor	Monitor	Monitor
Lake	Ontario	Ontario	Ontario	Ontario
Vessel	Theron	Theron	Theron	Theron
No. of Stations	73	73	62	86
No. of BT Slides	62	54	175	87
Station Data:				
Date/Time	X	X	X	X
Sounding	X	X	X	X
BT Slide No.	X	X	X	X
Sample Depth	X	X	X	X
Secchi Depth	X	X	X	X
Colour - Hazen Scale	X			
Temperature	X	X	X	X
Turbidity	X	X	X	X
Specific Conductance	X	X	X	X
Residue, filtrable	X	X	X	X
Residue, NF	X	X	X	X
PH 25°C	X	X	X	X
Alkalinity, total (titrimetric)	X	X	X	X
Alkalinity, total (colorimetric)	X	X	X	X
Biochemical Oxygen Demand	X	X		X
Oxygen, dissolved (Winkler)	X	X	X	
Oxygen, dissolved (Probe)	X			X
Phosphate, total				
Phosphate, reactive	X	X	X	X
Ammonia nitrogen, soluble	X	X	X	X
Nitrate nitrogen, NF	X	X	X	X
Nitrite nitrogen, NF	X	X	X	X
Nitrate nitrite nitrogen, NF				
Total Kjeldahl Nitrogen, NF	X	X	X	X
Organic Nitrogen, NF		X		X
Sulphate, NF	X	X	X	X
Chloride, NF	X	X	X	X
Silica, reactive	X	X	X	X
Hardness, total	X	X	X	X
Cadmium, NF	X	X	X	
Calcium, NF atomic absorption	X	X	X	X
Chromium, NF	X	X	X	
Cobalt, NF	X	X	X	
Copper, NF	X	X	X	
Iron, NF	X	X	X	
Lead, NF	X	X	X	
Lithium, NF	X	X	X	
Magnesium, NF	X	X	X	X
Manganese, NF	X	X	X	
Nickel, NF	X	X	X	
Potassium, NF photometric	X	X	X	X
Sodium, NF photometric	X	X	X	X
Strontium, NF atomic absorption	X	X	X	
Zinc, NF	X	X	X	
Phenolic Compounds	X	X	X	X
Chlorophyll A	X	X	X	X
MF Coliforms	X	X		X
MF fecal coliform	X	X		X
MF fecal streptococci	X	X		X
Standard plate count at 20°C	X	X		X
Standard plate count at 35°C	X	X		X

NF - Non filtered.

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

2	3			4		
67-009	67-011	67-013	67-015	67-017	67-019	67-021
August 5 August 10	August 21 August 25	Sept. 5 Sept. 9	Sept. 16 Sept. 21	Oct. 1 Oct. 6	Oct. 17 Oct. 21	Oct. 28 Nov. 2
Monitor Ontario Theron 81 81	Monitor Ontario Theron 78 78	Monitor Ontario Theron 75 75	Monitor Ontario Theron 91 91	Monitor Ontario Theron 81 81	Monitor Ontario Theron 50 50	Monitor Ontario Theron 83 83
X X X X X	X X X X X	X X X X X	X X X X X	X X X X X	X X X X X	X X X X X
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X X X X X	X X	X X X X	X X	X X X X X	X X	X X X X X
X X X X X	X X 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 001 to 021, the first digit (0) having been assigned to all Lake Ontario cruises.

(2) Consecutive station number: the stations within each cruise are numbered in chronological order.

(4) Institute: For filing purposes, the institute code was 22 (Inland Waters Branch, Department of Energy, Mines and Resources).

(5) and (6) indicate the latitude and longitude of the vessel, in degrees, minutes and seconds, at the time of the observations.

(7), (8) and (9) indicate the date of the observations according to Greenwich Mean Time.

(10) Indicates the messenger time in hours and minutes (Greenwich Mean Time) for the first bottle cast at the station. The hours of each day are numbered from 00 to 23.

(11) The number of depths at which observations were made. This should correspond to the number of depths actually listed. The count is listed to reveal omissions due to the loss of punch-cards.

(12) The sounding is listed in meters, to the nearest tenth of a meter.

(13) Indicates the bathythermograph slide number corresponding to the particular station. The slides are numbered consecutively within each cruise.

EXPLANATION OF THE DATA LISTING FOR EACH STATION

Parameter Name	Abbreviation (column heading)	Units used in the Data Reports	No. of Decimals printed	Star System Code
Sample Depth	DEPTH	METERS	1	001
Secchi Depth	SECCHI	METERS	1	030
Temperature	TEMP.	°C	2	100
Turbidity	TURB.	Turb. Units	1	123
Specific Conductance	SP. COND	Micromhos	0	160
Residue, filtrable	F. RES	mg/L	1	201
Residue, NF	NF RES	mg/L	1	202
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 C/L	1	239
Biochemical Oxygen Demand (Probe)	BOD P	mg C/L	1	240
Oxygen, dissolved (Winkler)	02 W	mg O_2/L	2	245
Oxygen, dissolved (Probe)	D 02 P	mg O_2/L	2	246
Phosphate, total	T PO4	mg PO_4/L	3	260
Phosphate, reactive	R PO4	mg PO_4/L	3	262
Ammonia nitrogen, soluble	NH3	mg N/L	3	270
Nitrate nitrogen, NF	NO3NF	mg N/L	3	271
Nitrite nitrogen, NF	NO2 NF	mg N/L	3	273
Nitrate nitrite nitrogen, NF	T NO3	mg N/L	3	275
Total Kjeldahl Nitrogen, NF	T KJN	mg N/L	3	277
Organic Nitrogen, NF	ORG N	mg N/L	3	278
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
Phenolic Compounds	PHEN	mg C_6H_5OH/L	3	410
Chlorophyll A	CHLORA	mgs/m^3	2	610
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 = 1.30×10^2 = 130.
100E00 = 1.00×10^0 = 1.
000E00 = 0.00×10^0 = 0.

Note: For some parameters, the analytical methods listed in the Star System Manual (REF 12) 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, 10, 20, 30, 50, 75, 100, 150 and 200 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.

Colour Hazen Scale (British Drug House Lolibond Nesslerizer) with Hazen colour discs.

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 a 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. (REF 32).

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, 20).

Nonfiltrable residue A 2 liter sample is filtered through a washed pre-weighed 4.25 cm Whatman GF/C glass fiber filter disc.

Filtrable residue (Total dissolved solids) Gravimetric (REF. 2).

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

Titrimetric alkalinity Potentiometric Titration (REF 29).

Colorimetric alkalinity The sample is added to a methyl orange indicator solution buffered at a pH of 3.1. Alkalinity present in the sample causes small changes in the pH of the buffer, which in turn causes a corresponding reduction in colour of the methyl orange indicator (REF 26).

B.O.D. (Biochemical oxygen demand) Air is bubbled through a diffusion tube into the sample for 5-10 minutes. On one portion of the aerated sample the D.O. is determined; another portion unseeded and undiluted is incubated at 20°C for the B.O.D. determinations (REF 2).

Dissolved oxygen (Winkler) Azide modification of the Iodometric Method (REF 2, pp. 406-410).

Dissolved Oxygen (Probe) Weston & Stack Oxygen Analyzer, Model 300 with B.O.D. Agitator (REF 31).

Total phosphate Samples and standards are digested manually with sulphuric acid and potassium persulfate.

After neutralization, samples and standards are analyzed on the AutoAnalyzer as outlined in the reactive phosphate method (REFS 7, 15, 25).

Reactive phosphate is determined by the formation of the phosphomolybdate complex by treating the sample with ammonium molybdate and sulphuric acid. Ascorbic acid is used to reduce the complex to "molybdenum blue" (REFS 7, 25).

Soluble ammonia nitrogen The ammonia present in the sample, reacting with phenol and hypochlorite in an alkaline medium, yields an intense blue colour believed to be related to indophenol. The addition of sodium nitro-prusside catalyzes the reaction and increases the sensitivity (REF 33).

Nitrate nitrogen The sample is mixed with an EDTA solution of pH 6.5-7.0 and passed through a coil containing cadmium filings where the nitrate present in the sample is reduced to nitrite.

The resultant nitrite, which is formed in a 85-95% yield, is determined by Bendschneider and Robinson's method (REFS 4, 5).

Nitrite nitrogen Nitrite reacts with sulphanilamide to form a diazo compound. Further reaction with N-(1-Naphthyl)-ethylene-diamine Dihydrochloride produces an azo dye which absorbs in the 520-550 mu light range (REF 4).

Kjeldahl nitrogen The Kjeldahl method, using selenious acid as a catalyst, converts organically bound nitrogen to ammonia by digestion with sulphuric acid to which perchloric acid has been added. The ammonia, reacting with phenol and hypochlorite in an alkaline medium, yields an intense blue colour believed to be related to indophenol. The addition of sodium nitroprusside catalyzes the reaction and increases the sensitivity (REF 22).

Organic nitrogen NF computed from NH3 and TKJ N determinations.

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

Chloride NF AutoAnalyzer, colorimetric, mercury thiocyanate (REF 23).

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

Total hardness is determined by the use of 1-(1-hydroxy-4-methyl-2-phenylazo)-2-naphthol-4-sulfonic acid (Calmagite), in conjunction with disodium magnesium ethylenediamine tetra-acetate, at a pH of 10.1 to give a red-violet complex (REF 24).

Cadmium NF Atomic absorption spectrophotometry (REFS 1, 6, 17, 19, 21, 30).

Calcium NF Atomic absorption spectrophotometry (REF 19).

Chromium NF Atomic absorption spectrophotometry (REFS 1, 6, 17, 19, 21, 30).

Cobalt NF Atomic absorption spectrophotometry (REFS 1, 6, 17, 19, 21, 30).

Copper NF Atomic absorption spectrophotometry (REFS 1, 6, 17, 19, 21, 30).

Iron NF This determination of total iron is based upon the complexing of ferrous iron with 2,4,6-tripyridyl-s-triazine giving an intense violet colour. Hydroxylamine hydrochloride is used to reduce any ferric iron to the ferrous stage (REF 8).

Lead NF Atomic absorption spectrophotometry (REFS 1, 6, 17, 19, 21, 30).

Lithium NF Atomic absorption spectrophotometry (REFS 1, 6, 17, 19, 21, 30).

Magnesium NF Atomic absorption spectrophotometry (REF 19).

Manganese NF Atomic absorption spectrophotometry (REFS 1, 6, 17, 19, 21, 30).

Nickel NF Atomic absorption spectrophotometry (REFS 1, 6, 17, 19, 21, 30).

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

NF - Non filtered.

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

Strontium NF Atomic absorption spectrophotometry (REFS 1, 6, 17, 19, 21, 30).

Zinc NF Atomic absorption spectrophotometry (REFS 1, 6, 17, 19, 21, 30).

Phenol Aminoantipyrene-potassium ferricyanide colorimetric finish (REF 2, pp. 516-520).

Chloraphyll A (REFS 16, 18).

BACTERIOLOGICAL PARAMETERS

Storage conditions for bacteriological samples The analysis 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).

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

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

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

NF - Non filtered.

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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 H. Maro and the crew of the "Theron" operated the vessel in support of the limnological program.

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CRUISE 67 - 011, August 21 - 25

C-REF-NO 011
CONS. NO 001
COUNTRY 18
INSTITUTE 22

LAT 43-19-00N
LON 079-39-00W

YEAR 1967
MONTH 08
DAY 21
TIME 2111

NO. DEPTHS 06
SOUNDING 0580
BT SLIDE NO 001

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	2.0	17.97		330	3.5	8.660	87.0	
10.0		6.73		328		8.460		
20.0		4.81		330		8.040		
30.0		4.29		330		8.050		
50.0		4.08		333	2.2	8.050	91.0	
56.0		4.03		330	4.9	8.110	92.0	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0		10.00			0.003	0.390	26.5	0.625
10.0		10.80			0.110		26.1	0.270
20.0		11.40			0.250		25.7	0.525
30.0		11.40			0.270		25.9	0.485
50.0		11.60			0.285	0.260	25.9	0.700
56.0		11.60			0.285	0.390	25.4	0.700

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	133.0	0.002		000E00	000E00	000E00	250E02	240E02
10.0				000E00				
20.0								
30.0								
50.0	136.0			000E00				
56.0	140.0			000E00	000E00	000E00	210E02	700E01

C-REF-NO 011
CONS. NO 002
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 08
DAY 21
TIME 2246

NO. DEPTHS 03
SOUNDING 0170
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	2.0	19.97	2.0	320	3.8	8.630		
10.0		18.55	1.8	313				
15.0		8.83	1.6	329	3.6	7.985	70.0	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0		9.00	0.017	0.015	0.001	0.310	25.0	0.550
10.0		9.20	0.013	0.040	0.001		24.9	0.150
15.0		10.60	0.027	0.055	0.165	0.500	25.0	0.345

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0			11.33					
10.0								
15.0	132.7							

C-REF-NO 011
CONS. NO 003
COUNTRY 18
INSTITUTE 22

LAT 43-18-00N
LON 079-28-00W

YEAR 1967
MONTH 08
DAY 21
TIME 2350

NO. DEPTHS 17
SOUNDING 0820
BT SLIDE NO 003

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	2.0	19.90	1.5	312	4.6	8.680	61.0	
4.0		19.88	1.5	312	4.2	8.640	85.0	
7.0		19.78	2.0	313	4.1	8.630	85.0	
10.0		10.73	0.5	324	2.7	7.930	90.0	
13.0		7.98	1.0	323	2.8		90.0	
16.0		5.65	1.0	318	4.1	7.970	90.0	
19.0		4.98	1.5	323	2.8	8.040	90.0	
22.0		4.16	0.5	321	2.2	7.970	90.0	
25.0		4.08	0.8	323	1.9	8.000	90.0	
28.0		4.04	1.5	326	2.5	7.850		
31.0		4.10	1.0	321	3.2	8.020	90.0	
34.0		4.02	1.0	322	2.8	7.990	90.0	
37.0		4.05	1.0	320	3.1	8.010	90.0	
40.0		4.04	0.5	316	1.4	8.050		
50.0		3.96	0.5	319	1.9	8.020		
75.0		3.89	1.0	323	2.6	8.020		
80.0		3.90	1.5	327	2.9	7.950	61.0	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0		9.30	0.045	0.055	0.001	0.290	25.2	
4.0		9.50	0.057	0.108	0.001	0.560	25.2	0.025
7.0		9.50	0.025	0.094	0.001	0.405	25.4	0.100
10.0		10.10	0.022	0.100	0.005	0.420	25.4	0.115
13.0		10.50	0.024	0.190	0.085	0.460	25.1	0.150
16.0		11.20	0.027	0.106	0.095	0.450	25.0	0.245
19.0		11.40	0.018	0.180	0.135	0.520	25.2	0.200
22.0		11.40	0.006	0.087	0.165	0.250	25.1	0.290
25.0		11.50	0.005	0.056	0.235		25.0	0.355
28.0		11.70	0.089	0.089	0.235	0.210	25.4	0.475
31.0		11.60	0.008	0.050	0.235	0.190	25.6	0.480
34.0		11.60	0.006	0.045	0.215	0.330	25.6	0.400
37.0		11.80	0.007	0.050	0.215	0.295	25.6	0.290
40.0		11.80	0.008	0.060	0.215	0.315	25.6	0.300
50.0		11.80	0.012	0.110	0.225	0.320	25.4	0.365
75.0		12.00	0.018	0.078	0.235	0.380	26.1	0.370
80.0		11.80	0.025	0.039	0.243	0.240	26.0	0.590

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	129.4	0.001	10.62	000E00		000E00	140E02	210E02
4.0	129.6							
7.0	135.7							
10.0	135.0			200E00				
13.0	135.8							
16.0	135.3							
19.0	133.5							
22.0	133.6							
25.0	136.6							
28.0	133.3							
31.0	133.3							
34.0	134.8							
37.0	134.2							
40.0	133.8							
50.0	133.6							
75.0	133.6							
80.0	133.7			000E00		200E00	380E02	120E02

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	189.0	86.1	28.0	38.300	8.000	1.400	12.000
4.0							
7.0							
10.0							
13.0							
16.0							
19.0							
22.0							
25.0							
28.0							
31.0							
34.0							
37.0							
40.0							
50.0	190.0	91.9	27.8	40.200	8.300	1.400	11.800
75.0							
80.0	201.0	89.9	27.0	41.300	7.900	1.300	11.800

C-REF-NO 011
CONS. NO 004
COUNTRY 18
INSTITUTE 22

LAT 43-23-00N
LON 079-32-00W

YEAR 1967
MONTH 08
DAY 22
TIME 0242

NO. DEPTHS 07
SOUNDING 0940
BT SLIDE NO 004

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0		19.32	1.5	318	5.0	8.560	84.0	
10.0		7.64	1.5	319		8.220		
20.0		4.31	1.5	314		8.130		
30.0		4.10	1.8	315		8.120		
50.0		3.96	0.8	323	3.5	8.050	89.0	
75.0		4.02	1.0	317		8.040		
92.0		3.87	1.0	336	4.3	8.000		

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0		10.30	0.040	0.054	0.001	0.320	25.8	
10.0		12.40	0.028	0.076	0.078		25.9	0.060
20.0		13.20	0.005	0.077	0.203		25.5	0.265
30.0		13.40	0.005	0.073	0.210		26.7	0.290
50.0		13.50	0.005	0.043	0.240		25.8	0.360
75.0		13.20	0.005	0.054	0.230		25.7	0.450
92.0		13.00				0.225		

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	127.5	0.001	8.17	000E00		000E00	300E02	130E03
10.0				100E00				
20.0								
30.0								
50.0	134.2			000E00				
75.0								
92.0				000E00		100E00	220E02	100E03

C-REF-NO 011
CONS. NO 005
COUNTRY 18
INSTITUTE 22

LAT 43-28-00N
LON 079-36-00W

YEAR 1967
MONTH 08
DAY 22
TIME 0347

NO. DEPTHS 04
SOUNDING 0320
BT SLIDE NO 005

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0		11.99	0.9	332	7.0	8.360	86.0	
10.0		7.35	0.7	336		8.040		
20.0		4.80	0.7	338		8.310		
30.0		4.59	0.8	340	4.0	7.930	82.5	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0		10.80	0.022	0.036	0.090	0.380	26.7	0.100
10.0		11.95	0.017	0.074	0.100		26.1	0.120
20.0		12.45	0.015	0.093	0.205		26.0	0.320
30.0		12.45	0.020	0.060	0.210	0.210	26.7	0.415

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	132.5		5.94					
10.0								
20.0								
30.0	133.9							

C-REF-NO 011
CONS. NO 006
COUNTRY 18
INSTITUTE 22

LAT 43-37-00N
LON 079-20-00W

YEAR 1967
MONTH 08
DAY 22
TIME 0527

NO. DEPTHS 03
SOUNDING 0140
BT SLIDE NO 006

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0		14.07	1.7	340	6.2	8.380	85.0	
10.0		7.04	1.2	332		8.050		
12.0		6.86	1.3	338	3.9	8.040	69.0	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0		10.86	0.028	0.073	0.075	0.500	27.2	0.180
10.0		12.05	0.015	0.101	0.145		27.0	0.245
12.0		12.10	0.020	0.068	0.145	0.230	26.1	0.225

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	134.2		8.98					
10.0								
12.0	136.4							

C-REF-NO 011
CONS. NO 007
COUNTRY 18
INSTITUTE 22

LAT 43-33-00N
LON 079-17-00W

YEAR 1967
MONTH 08
DAY 22
TIME 0636

NO. DEPTHS 08
SOUNDING 1080
BT SLIDE NO 007

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0		17.19	2.5	324	6.5	8.560	82.5	
10.0		4.10	0.8	332		8.080		
20.0		4.13	0.7	340		8.090		
30.0		4.12	0.7	337		8.080		
50.0		4.02	0.6	331	2.3	8.130	90.0	
75.0		3.88	0.5	331		8.130		
100.0		3.80	5.4	323		8.080		
107.0		3.77	4.6	333	5.7	7.980	60.0	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0		10.65	0.005	0.020	0.001	0.380	27.0	0.025
10.0		13.60	0.010	0.018	0.143		26.2	0.300
20.0		13.80	0.024	0.044	0.210		26.2	0.300
30.0		13.90	0.010	0.020	0.210		25.6	0.345
50.0		14.00	0.005	0.038	0.210	0.215	25.6	0.330
75.0		13.60	0.005	0.047	0.210		26.5	0.425
100.0		13.60	0.005	0.033	0.225		26.6	0.700
107.0		13.40			0.238	0.260	27.2	0.700

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	129.9	0.001	8.98	000E00		000E00	480E02	210E02
10.0				200E00				
20.0								
30.0								
50.0				000E00				
75.0								
100.0								
107.0				000E00		100E00	340E02	700E01

C-REF-NO 011
CONS. NO 008
COUNTRY 18
INSTITUTE 22

LAT 43-29-00N
LON 079-15-00W

YEAR 1967
MONTH 08
DAY 22
TIME 0725

NO. DEPTHS 08
SOUNDING 1300
BT SLIDE NO 008

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0		19.02	2.7	323	4.3	8.630	81.5	
10.0		9.12	1.3	327		8.220		
20.0		4.24	0.4	324		8.090		
30.0		4.08	0.5	325		8.080		
50.0		3.96	0.2	320	2.2	8.110	90.0	
75.0		3.91	0.2	322		8.150		
100.0		3.78	0.3	325		8.140		
128.0		3.74	2.0	330	7.7	8.030	90.0	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0		10.20	0.029	0.030		0.360	26.5	0.090
10.0		12.20	0.020	0.027	0.100			0.150
20.0		13.20	0.005	0.030	0.210			0.375
30.0		13.20	0.005	0.025	0.210		25.0	0.340
50.0		13.60	0.015	0.013	0.208	0.220	25.3	0.345
75.0		14.10	0.010	0.045	0.203		25.1	0.325
100.0		14.20	0.012	0.022	0.200		25.2	0.480
128.0		13.80	0.055	0.026	0.235	0.190		0.700

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	128.4	0.001	5.59	000E00			120E02	160E02
10.0				200E00				
20.0								
30.0								
50.0	135.0			000E00				
75.0								
100.0								
128.0	137.3					000E00	460E02	120E03

C-REF-NO 011
CONS. NO 009
COUNTRY 18
INSTITUTE 22

LAT 43-25-00N
LON 079-12-00W

YEAR 1967
MONTH 08
DAY 22
TIME 0834

NO. DEPTHS 08
SOUNDING 1180
BT SLIDE NO 009

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0		18.90	2.1	333	2.3	8.140	80.0	
10.0		5.84	1.0	322		8.140		
20.0		4.42	0.6	317		8.080		
30.0		4.18	0.5	322		8.070		
50.0		4.04	0.4	327	0.9	8.060	86.5	
75.0		3.96	0.4	327		8.110		
100.0		3.79	0.4	324		8.150		
116.0		3.76	1.1	335	2.0	8.030	87.5	

DEPTH	O2 W D	O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0		10.20	0.005	0.074	0.001	0.320	27.0	0.125
10.0		12.50	0.005	0.037	0.143		26.7	0.175
20.0		13.40	0.030	0.032	0.180		26.5	0.360
30.0		13.20	0.012	0.021	0.180		26.6	0.370
50.0		13.20	0.010	0.025	0.190	0.230	27.7	0.350
75.0		13.20	0.013	0.017	0.180		26.7	0.325
100.0		13.00		0.035	0.180		26.7	0.450
116.0		12.50		0.127	0.220	0.220	27.0	0.700

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	126.8	0.002	5.70	000E00		000E00	150E02	190E02
10.0				000E00				
20.0								
30.0								
50.0	134.5			000E00				
75.0								
100.0								
116.0	136.5			000E00		000E00	210E02	120E02

C-REF-NO 011
CONS. NO 010
COUNTRY 18
INSTITUTE 22

LAT 43-21-00N
LON 079-09-00W

YEAR 1967
MONTH 08
DAY 22
TIME 0931

NO. DEPTHS 07
SOUNDING 0900
BT SLIDE NO 010

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0		19.22	2.3	319	3.3	8.610	76.5	
10.0		16.64	2.1	323		8.450		
20.0		4.56	1.3	321		8.060		
30.0		4.17	0.7	326		8.090		
50.0		4.07	1.2	324	0.8	8.080	86.0	
75.0		4.15	0.9	327		8.040		
88.0		3.92	1.7	336	4.6	7.980	87.5	

DEPTH	O2 W D	O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0		10.00	0.027	0.043	0.001	0.310	27.2	0.400
10.0		10.40	0.025	0.047	0.018		27.5	0.200
20.0		13.00	0.015	0.038	0.180		26.7	0.300
30.0		13.60	0.034	0.031	0.190		27.2	0.400
50.0		13.60	0.037	0.024	0.185	0.180	27.0	0.450
75.0		13.40	0.064	0.025	0.200		27.1	0.540
88.0		14.20	0.082	0.031	0.230	0.310	28.0	0.700

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	127.0	0.004	6.88	000E00	000E00	000E00	270E02	130E02
10.0				100E00				
20.0								
30.0								
50.0	133.0			000E00				
75.0								
88.0							730E02	500E02

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

LAT 43-17-00N
LON 079-09-00W

YEAR 1967
MONTH 08
DAY 22
TIME 1025

NO. DEPTHS 03
SOUNDING 0150
BT SLIDE NO 011

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0		20.09	2.2	315	4.8	8.570	82.5	
10.0		20.01	2.3	318		8.490		
13.0		19.94	2.3	321	4.6	8.460	80.0	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0		9.40	0.024	0.025	0.001	0.335	27.6	0.225
10.0		9.45	0.026	0.026	0.002		27.6	0.085
13.0		9.45	0.038	0.026	0.003	0.360	27.5	0.025

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.002	7.34	230E02		000E00	850E02	600E02
10.0				100E02				
13.0	126.8			700E01	250E01	600E00	300E03	400E03

C-REF-NO 011
CONS. NO 012
COUNTRY 18
INSTITUTE 22

LAT 43-19-00N
LON 078-59-00W

YEAR 1967
MONTH 08
DAY 22
TIME 1136

NO. DEPTHS 03
SOUNDING 0150
BT SLIDE NO 012

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	2.5	21.80	1.0	322	4.2	8.200	86.0	
10.0		21.78	1.0	322		8.400		
13.0		21.77	1.0	320	4.3	8.300	87.5	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0		9.00			0.028	0.310	27.2	
10.0		9.05			0.028		28.5	
13.0		9.10			0.028	0.350	26.6	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	130.8	0.001	3.60	350E01	100E01	000E00	140E03	270E03
10.0				600E01				
13.0	131.1			100E01	150E01	000E00	780E02	180E03

C-REF-NO 011
CONS. NO 013
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 08
DAY 22
TIME 1244

NO. DEPTHS 04
SOUNDING 0320
BT SLIDE NO 013

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	3.0	20.89	1.0	319	5.5	8.610	85.0	
10.0		20.88	1.0	320		8.600		
19.0		20.90	1.0	319		8.620		
29.0		5.98	1.0	319	8.1	8.080	86.5	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0		9.40			0.010	0.315	25.5	
10.0		9.60			0.010		24.9	
19.0		9.60			0.010		25.2	
29.0		12.20			0.185	0.250	26.7	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	132.3	0.004	3.83	140E01	800E00	000E00	540E02	180E03
10.0				440E01				
19.0								
29.0	137.8			600E00	000E00	000E00	410E02	530E03

C-REF-NO 011
CONS. NO 014
COUNTRY 18
INSTITUTE 22

LAT 43-25-00N
LON 078-50-00W

YEAR 1967
MONTH 08
DAY 22
TIME 1340

NO. DEPTHS 08
SOUNDING 1130
BT SLIDE NO 014

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	3.0	19.17	0.5	317	4.3	8.880	85.0	
10.0		19.15	0.5	307		8.570		
20.0		9.33	0.5	324		8.140		
30.0		4.36	0.5	321		8.140		
50.0		3.97	0.5	321	7.0	8.450	87.0	
75.0		3.92	0.5	319		8.110		
100.0		3.76	0.5	317		8.170		
111.0		3.87	0.2	330	51.2	8.030	81.0	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0		10.80			0.002	0.580	27.0	
10.0		10.80			0.002		27.0	
20.0		12.40			0.080		26.6	
30.0		14.00	0.060		0.180		27.0	
50.0		14.60	0.030		0.185	0.400	26.6	
75.0		14.40	0.054		0.185		26.5	
100.0		13.80	0.078		0.215		26.8	
111.0		13.20	0.200		0.255	0.310	28.0	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	129.5	0.004	5.00	300E00		100E00	190E02	170E02
10.0				400E00				
20.0								
30.0								
50.0	133.9			100E00				
75.0								
100.0								
111.0	139.7			100E00		000E00	480E02	150E02

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

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

YEAR 1967
MONTH 08
DAY 22
TIME 1448

NO. DEPTHS 08
SOUNDING 1370
BT SLIDE NO 015

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	3.0	19.96	1.5	319	5.3	8.580	85.0	
10.0		14.62	1.0	318		8.260		
20.0		4.03	0.5	321		8.190		
30.0		4.02	0.5	321		8.110		
50.0		3.98	0.5	324	3.6	8.160	86.5	
75.0		3.92	0.5	319		8.140		
100.0		3.82	0.5	315		8.190		
135.0		3.73	0.5	326	5.8	8.120	85.5	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0		9.40	0.065		0.001	0.430	26.2	
10.0		10.00		0.074	0.025		26.8	
20.0		11.20	0.053	0.089	0.165		26.4	
30.0		11.20			0.018		28.6	
50.0		11.20			0.190	0.230	30.2	
75.0		11.20			0.183		26.8	
100.0		11.00			0.210		27.0	
135.0		9.40			0.175	0.390	27.5	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	128.7	0.003	4.65	100E00		000E00	530E01	140E02
10.0				000E00				
20.0								
30.0								
50.0	132.5			000E00				
75.0								
100.0								
135.0	134.2			000E00		000E00	150E02	870E01

C-REF-NO 011
CONS. NO 016
COUNTRY 18
INSTITUTE 22

LAT 43-35-00N
LON 078-55-00W

YEAR 1967
MONTH 08
DAY 22
TIME 1551

NO. DEPTHS 08
SOUNDING 1350
BT SLIDE NO 016

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	2.0	19.85	2.0	308	6.6	8.560		
10.0		12.86	1.5	318		8.240		
20.0		4.08	0.5	319		8.140		
30.0		4.09	0.5	308		8.230		
50.0		3.99	1.0	312	3.6	8.190	85.0	
75.0		3.92	1.0	315		8.170		
100.0		3.82	0.9	323		8.140		
133.0		3.75	1.0	319	12.2	8.060	85.0	

DEPTH	O2 W D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.60			0.001	0.310	27.2	
10.0	10.00			0.153		26.7	
20.0	11.80			0.183		26.9	
30.0	11.90			0.183		27.0	
50.0	12.10			0.183	0.430	26.7	
75.0	12.00			0.078		26.5	
100.0	12.00			0.183		26.5	
133.0	11.80			0.183	0.230	26.8	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.004	4.07	400E00		000E00	110E02	220E02
10.0				100E00				
20.0								
30.0								
50.0				000E00				
75.0								
100.0								
133.0				000E00		000E00	130E02	800E01

C-REF-NO 011
CONS. NO 017
COUNTRY 18
INSTITUTE 22

LAT 43-39-00N
LON 078-57-00W

YEAR 1967
MONTH 08
DAY 22
TIME 1650

NO. DEPTHS 08
SOUNDING 1170
BT SLIDE NO 017

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	2.0	19.45	2.0	317	6.3	8.460	61.0	
10.0		5.46	0.5	319		8.100		
20.0		4.08	1.0	319		8.110		
30.0		4.09	1.0	319		8.100		
50.0		3.98	0.7	321	4.1	8.130	83.5	
75.0		3.89	2.0	315		8.150		
100.0		3.76	1.0	320		8.130		
116.0		3.75	8.5	320	51.3	8.080		

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0		9.80	0.042	0.050	0.001	0.310	28.7	
10.0		13.10	0.030	0.045	0.135		27.1	
20.0		13.90	0.040	0.063	0.180		26.6	
30.0		13.70	0.040	0.060	0.189		27.1	
50.0		13.80	0.057	0.064	0.189	0.430	27.1	
75.0		14.10	0.060	0.043	0.189		27.1	
100.0		13.60	0.064	0.049	0.200		27.3	
116.0		13.40	0.105	0.032	0.200	0.230	27.4	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	126.0	0.045	4.53	100E00		000E00	120E04	800E01
10.0				400E00				
20.0								
30.0								
50.0	128.2			000E00				
75.0								
100.0								
116.0	132.2			200E00		200E00	230E02	140E02

C-REF-NO 011
CONS. NO 018
COUNTRY 18
INSTITUTE 22

LAT 43-44-00N
LON 078-59-00W

YEAR 1967
MONTH 08
DAY 22
TIME 1749

NO. DEPTHS 06
SOUNDING 0760
BT SLIDE NO 018

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	2.0	18.88	2.0	315	4.8	8.550	61.0	
10.0		6.56	1.0	317		8.240		
20.0		4.14	0.8	313		8.180		
30.0		4.13	1.0	319		8.130		
50.0		3.98	0.9	318	3.2	8.110	86.0	
75.0		3.90	1.5	318	3.8	8.060		

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0		10.00	0.067	0.048		0.310	28.5	
10.0		13.20	0.030	0.040	0.105		26.5	
20.0		14.20	0.030	0.048	0.200		26.6	
30.0		14.20	0.035	0.037	0.190		26.4	
50.0		14.60	0.060	0.029	0.200	0.260	26.5	
75.0		14.00	0.066	0.033	0.225	0.200	26.5	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	130.1	0.004	4.77	120E01		000E00	700E01	550E01
10.0				200E00				
20.0								
30.0								
50.0	134.0			000E00				
75.0				000E00		000E00	630E01	380E01

C-REF-NO 011
CONS. NO 019
COUNTRY 18
INSTITUTE 22

LAT 43-48-00N
LON 079-02-00W

YEAR 1967
MONTH 08
DAY 22
TIME 1838

NO. DEPTHS 03
SOUNDING 0150
BT SLIDE NO 019

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	2.5	13.98	2.0	334	5.1	8.200	61.0	
10.0		11.08	1.0	329		8.020		
15.0		10.03	1.0	328	3.2	7.980		

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0		11.60	0.048	0.038	0.055	0.290	28.0	
10.0		11.70	0.030	0.038	0.110		28.3	
15.0		12.00	0.035	0.033	0.143	0.220	28.0	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	137.2		7.23					
10.0								
15.0								

C-REF-NO 011
CONS. NO 020
COUNTRY 18
INSTITUTE 22

LAT 43-51-00N
LON 078-41-00W

YEAR 1967
MONTH 08
DAY 22
TIME 2021

NO. DEPTHS 04
SOUNDING 0280
BT SLIDE NO 020

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	2.5	18.16	1.3	335	2.5	8.120	60.0	
10.0		10.59	0.8	318		8.040		
20.0		8.09	0.5	337		8.000		
26.0		6.98	0.8	318	3.1	7.960	86.0	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0		9.70	0.052	0.025		0.300	27.2	
10.0		8.50	0.035		0.183		27.6	
20.0		9.00	0.045		0.160		27.3	
26.0		9.15	0.047	0.038	0.160	0.620	26.7	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	131.2	0.006	5.94	600E01	170E01	000E00	510E01	870E01
10.0				320E01				
20.0								
26.0	136.0			800E00	000E00		980E01	420E01

C-REF-NO 011
CONS. NO 021
COUNTRY 18
INSTITUTE 22

LAT 43-53-00N
LON 078-32-00W

YEAR 1967
MONTH 08
DAY 22
TIME 2121

NO. DEPTHS 03
SOUNDING 0160
BT SLIDE NO 021

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	2.0	16.63	2.3	330	4.1	8.330	61.0	
10.0		11.44	1.1	329		8.030		
14.0		9.10	1.4	306	2.4	8.020		

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0		9.25			0.015	0.330	27.4	
10.0		7.65			0.086		27.5	
14.0		8.35			0.140	0.195	27.5	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	134.1		5.00					
10.0								
14.0								

C-REF-NO 011
CONS. NO 022
COUNTRY 18
INSTITUTE 22

LAT 43-47-00N
LON 078-30-00W

YEAR 1967
MONTH 08
DAY 22
TIME 2216

NO. DEPTHS 06
SOUNDING 0770
BT SLIDE NO 022

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	3.0	19.44	2.1	325	4.0	8.650	67.5	
10.0		5.96	1.6	342		8.320		
20.0		4.62	1.3	330		8.200		
30.0		4.19	1.1	331		8.290		
50.0		3.91	0.8	339	2.5	8.230		
75.0		3.89	1.3	335	3.0	8.190	88.0	

DEPTH	O2 W D	O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0		9.60	0.040			0.360	27.6	
10.0		11.20	0.035				26.0	
20.0		11.80	0.035				26.5	
30.0		12.00	0.020				26.4	
50.0		11.80	0.056			0.200	26.4	
75.0		11.00	0.068			0.335	27.0	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	129.1	0.000	3.60	220E01		600E00	760E01	220E02
10.0				100E01				
20.0								
30.0								
50.0				600E00				
75.0	136.5			400E00		000E00	620E01	900E03

C-REF-NO 011
CONS. NO 023
COUNTRY 18
INSTITUTE 22

LAT 43-43-00N
LON 078-29-00W

YEAR 1967
MONTH 08
DAY 22
TIME 2316

NO. DEPTHS 08
SOUNDING 1060
BT SLIDE NO 023

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	2.0	19.62	1.9	329	3.7	8.640		
10.0		7.74	2.2	323		8.470		
20.0		4.05	1.1	330		8.320		
30.0		4.05	0.7	338		8.310		
50.0		3.98	0.8	339	1.8	8.310		
75.0		3.91	0.6	338		8.320		
100.0		3.72	0.4	335		8.310		
104.0		3.71	0.6	344	2.4	8.140		

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0		9.00	0.066			0.400		
10.0		10.80	0.054				27.5	
20.0		11.70	0.033				27.1	
30.0		11.75	0.044				27.2	
50.0		11.85	0.053			0.200	27.0	
75.0		11.80	0.055				24.0	
100.0		11.80	0.063				26.9	
104.0		11.20	0.098			1.250	25.6	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	129.9	0.000	4.18	000E00		600E00	900E01	220E02
10.0				000E00				
20.0								
30.0								
50.0				200E00				
75.0								
100.0								
104.0				200E00		000E00	120E02	

C-REF-NO 011
CONS. NO 024
COUNTRY 18
INSTITUTE 22

LAT 43-38-00N
LON 078-28-00W

YEAR 1967
MONTH 08
DAY 23
TIME 0105

NO. DEPTHS 16
SOUNDING 1470
BT SLIDE NO 024

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	2.5	19.86	1.7	332	5.1	8.150	79.0	2.0
4.0		19.87	1.7	322	5.5	8.490	81.0	
7.0		19.89	1.7	316	6.2	8.530	79.0	
10.0		19.62	1.8	326	5.1	8.470		
13.0		19.66	1.5	317	4.7	8.510	81.0	
16.0		12.60	1.4	328	2.7	8.350	82.0	
19.0		9.14	1.4	328	6.5	8.210		
22.0			1.2	337	2.5	8.170	86.0	
25.0		5.28	0.7	342	3.6	8.120	85.0	
28.0		4.19	0.5	341	1.6	8.100	86.5	
31.0		4.10	0.7	335	4.1	8.080	86.0	
34.0		4.01	0.6	345	3.8	8.090	86.0	
37.0		4.05	0.6		3.1	8.110		
40.0		4.04	1.3		3.1	8.120		
50.0		3.97	0.9		2.2	8.070		
145.0								2.1

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	9.20		0.044			0.275	26.9	
4.0	9.18		0.038			0.340	26.9	
7.0	9.20		0.040			0.290	27.1	
10.0	9.30		0.045			0.365	27.5	
13.0	9.30		0.040			0.275	27.1	
16.0	10.60		0.038			0.265	27.0	
19.0	11.70		0.044			0.240	26.8	
22.0	12.00		0.043			0.255	27.0	
25.0	12.15		0.040			0.185	27.0	
28.0	12.15		0.045		0.190	0.325	27.0	
31.0	12.30		0.048		0.190	0.250	26.8	
34.0	12.25		0.051		0.190	0.215	26.8	
37.0	12.50		0.047		0.190	0.185	26.6	
40.0	12.30		0.048		0.190	0.200	26.8	
50.0	11.65				0.150	0.250	26.6	
145.0								

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	126.8	0.000	4.07	200E00		000E00	650E01	
4.0	127.4							
7.0	126.3							
10.0				600E00				
13.0	126.5							
16.0	128.9							
19.0								
22.0	132.6							
25.0	132.7							
28.0	134.2							
31.0	133.1							
34.0	133.5							
37.0	133.0							
40.0	134.2							
50.0				120E01				
145.0								

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	189.0	86.1	26.9	38.000	8.000	1.300	12.200
4.0							
7.0							
10.0							
13.0							
16.0							
19.0							
22.0							
25.0							
28.0							
31.0							
34.0							
37.0							
40.0							
50.0	194.0	90.4	26.7	40.600	8.000	1.300	11.600
145.0	198.0	91.4	27.4	40.200	8.400	1.300	11.800

C-REF-NO 011
CONS. NO 025
COUNTRY 18
INSTITUTE 22

LAT 43-33-00N
LON 078-28-00W

YEAR 1967
MONTH 08
DAY 23
TIME 0303

NO. DEPTHS 09
SOUNDING 1800
BT SLIDE NO 025

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0		19.73	2.1	323	4.3	8.440	79.0	
10.0		15.77	1.8	322		8.210		
20.0		4.27	1.1	330		8.070		
30.0		4.03	1.1	338		8.080		
50.0		4.03	5.7	327	4.3	8.050	84.0	
75.0		3.93	4.8	346		8.100		
99.0		3.87	5.0	339		8.110		
149.0		3.78	3.5	333		8.060		
177.0		3.68	3.2	341	23.3	8.000		

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	9.30					0.235		
10.0	9.35				0.045		27.0	
20.0	12.30				0.183		26.8	
30.0	12.40				0.183		26.8	
50.0	12.50				0.183	0.165	26.7	
75.0	12.55				0.183		26.8	
99.0	12.60				0.183		26.8	
149.0	12.62				0.183		27.0	
177.0	10.55				0.205	0.200	28.0	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	126.2	0.000	4.18	000E00		000E00	130E03	120E02
10.0				000E00				
20.0								
30.0								
50.0	134.0			000E00				
75.0								
99.0								
149.0								
177.0				000E00		000E00	200E02	520E01

C-REF-NO 011
CONS. NO 026
COUNTRY 18
INSTITUTE 22

LAT 43-28-00N
LON 078-27-00W

YEAR 1967
MONTH 08
DAY 23
TIME 0404

NO. DEPTHS 08
SOUNDING 1510
BT SLIDE NO 026

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0		19.85	1.5	312	3.5	8.570	84.0	
10.0		19.55	1.5	320		8.490		
20.0		5.27	0.7	329		8.110		
30.0		4.23	0.6	327		8.080		
50.0		4.05	0.8	327	3.0	8.100		
75.0		3.98	1.0	317		8.250		
100.0		3.90	0.4	328		8.140		
149.0		3.70	6.0	323	12.5	7.930	86.0	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	9.80		0.055		0.003	0.225	27.2	
10.0	10.20		0.040		0.005		27.7	
20.0	11.60		0.044		0.198		27.2	
30.0	12.40				0.198		27.4	
50.0	12.10		0.042		0.205	0.300	27.3	
75.0	12.30		0.049		0.205		27.3	
100.0	12.00		0.060		0.205		27.4	
149.0	11.60		0.065		0.228	0.215	27.9	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	130.6	0.005	5.12	400E00		000E00	400E01	320E01
10.0				100E00				
20.0								
30.0								
50.0				000E00				
75.0								
100.0								
149.0	139.5			000E00		000E00	390E02	340E01

C-REF-NO 011
CONS. NO 027
COUNTRY 18
INSTITUTE 22

LAT 43-24-00N
LON 078-26-00W

YEAR 1967
MONTH 08
DAY 23
TIME 0449

NO. DEPTHS 05
SOUNDING 0370
BT SLIDE NO 027

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0		20.36	0.7	313	4.8	8.570		
10.0		20.37	0.9	322		8.530		
20.0		18.74	0.9	319		8.480		
30.0		5.27						
35.0		4.60	0.7	322	4.0	8.090	86.0	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	10.10		0.040	0.049	0.008	0.300	28.1	
10.0	10.10		0.037	0.055	0.015		28.1	
20.0	10.40		0.037	0.060	0.015		28.1	
30.0	12.40		0.065		0.183		28.0	
35.0	12.60		0.053		0.190	0.225	28.0	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.002	5.35	000E00	100E00	000E00	710E01	150E02
10.0				100E00				
20.0								
30.0								
35.0	135.6			000E00	000E00	000E00	280E02	130E02

C-REF-NO 011
CONS. NO 028
COUNTRY 18
INSTITUTE 22

LAT 43-23-00N
LON 078-00-00W

YEAR 1967
MONTH 08
DAY 23
TIME 0659

NO. DEPTHS 03
SOUNDING 0170
BT SLIDE NO 028

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0		20.75	1.5	320	2.8	8.570	84.0	
10.0		20.70	1.5	318		8.530		
16.0		20.77	2.0	318	4.4	8.550	84.0	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	9.80		0.048	0.044	0.010	0.225	26.7	
10.0	9.90		0.047	0.042	0.010		26.7	
16.0	9.30		0.042	0.048	0.010	0.225	26.5	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	130.5	0.003	6.64	900E00	800E00	000E00	520E01	780E01
10.0				000E00				
16.0				000E00	000E00	000E00	800E01	210E02

C-REF-NO 011
CONS. NO 029
COUNTRY 18
INSTITUTE 22

LAT 43-28-00N
LON 078-00-00W

YEAR 1967
MONTH 08
DAY 23
TIME 0758

NO. DEPTHS 08
SOUNDING 1350
BT SLIDE NO 029

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0		19.83	1.5	315	2.6	8.550	80.0	
10.0		19.81	1.0	318		8.550		
20.0		8.69	0.9	324		8.040		
30.0		4.82	0.7	327		8.190		
49.0		3.99	0.5	316	2.2	8.290	87.5	
74.0		3.92	0.4	317		8.220		
98.0		3.80	0.6	312		8.290		
132.0		3.90	2.0	315	20.1	8.080		

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	9.80		0.033		0.005	0.225	25.0	
10.0	9.80		0.038		0.005		25.7	
20.0	9.80		0.030		0.113		25.4	
30.0	12.40		0.058		0.195		25.2	
49.0	12.30		0.058		0.205	0.150	25.5	
74.0	11.90		0.061		0.205		25.5	
98.0	12.20		0.062		0.205		25.5	
132.0	10.20		0.200		0.250	0.200	26.2	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	126.2	0.002	5.12	000E00		000E00	220E01	200E01
10.0				000E00				
20.0								
30.0								
49.0	133.6			000E00				
74.0								
98.0								
132.0				400E00		000E00	250E02	920E01

C-REF-NO 011
CONS. NO 030
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 08
DAY 23
TIME 0912

NO. DEPTHS 09
SOUNDING 1810
BT SLIDE NO 030

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0		19.97	0.9	315	2.7	8.510	81.0	
10.0		19.91	1.5	316		8.510		
20.0		7.15	0.6	320		8.110		
30.0		4.27	5.5	320		8.140		
50.0		4.07	3.5	320	2.4	8.240		
75.0		3.92	1.0	311		8.260		
100.0		3.84	0.5	316		8.200		
149.0		3.77	0.4	315		8.220		
178.0		3.71	3.5	316	126.5	8.060	84.0	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.80				0.007	0.200	29.5	
10.0	8.95				0.005		25.8	
20.0	11.70				0.185		25.8	
30.0	12.25				0.205		25.4	
50.0	12.50				0.205	0.175	25.9	
75.0	12.50				0.205		25.8	
100.0	12.65				0.205		25.4	
149.0	12.50				0.205		28.9	
178.0	11.45				0.225	0.215	30.3	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	126.3	0.001	4.77	120E02		000E00	460E01	340E01
10.0				000E00				
20.0								
30.0								
50.0	134.9			000E00				
75.0								
100.0								
149.0								
178.0	138.0							

C-REF-NO 011
CONS. NO 031
COUNTRY 18
INSTITUTE 22

LAT 43-40-00N
LON 078-00-00W

YEAR 1967
MONTH 08
DAY 23
TIME 1035

NO. DEPTHS 09
SOUNDING 1630
BT SLIDE NO 031

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	3.5	19.98	0.8	310	3.2	8.480	79.0	
10.0		14.59	1.0	317		8.210		
20.0		5.60		321		8.140		
30.0		4.51	0.8	315		8.230		
50.0		3.95	0.5	316	1.8	8.160	86.0	
75.0		3.91	0.4	318		8.150		
100.0		3.85	0.4	319		8.170		
149.0		3.72	0.4	324		8.180		
159.0		3.72	0.4	326	112.5	8.050		

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.90		0.037		0.003	0.215	24.2	
10.0	9.30		0.035		0.053		24.5	
20.0	11.70		0.048		0.200		24.5	
30.0	12.05		0.048		0.205		24.5	0.030
50.0	12.55		0.060		0.205	0.150	24.5	0.045
75.0	12.50		0.063		0.205		24.5	
100.0	12.40		0.062		0.205		24.2	0.048
149.0	12.30		0.060		0.205		24.4	0.025
159.0	10.85				0.225	0.250	26.8	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	126.2	0.002	3.25	400E01		110E01	370E01	710E01
10.0				500E00				
20.0								
30.0								
50.0	134.0							
75.0								
100.0								
149.0								
159.0				000E00		300E00	940E01	580E01

C-REF-NO 011
CONS. NO 032
COUNTRY 18
INSTITUTE 22

LAT 43-46-00N
LON 078-00-00W

YEAR 1967
MONTH 08
DAY 23
TIME 1141

NO. DEPTHS 08
SOUNDING 1080
BT SLIDE NO 032

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	4.0	20.11	3.1	293	3.3	8.560	77.0	
10.0		17.32	1.1	277		8.460		
20.0		4.09	1.2	298		8.190		
30.0		4.08	1.2	294		8.180		
50.0		3.96	0.2	311	3.6	8.200		
75.0		3.86	0.7	313		8.150		
100.0		3.72	0.5	325		8.060		
106.0		3.72	0.6	316	1.8	8.020	87.5	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.80		0.040	0.038		0.200	24.7	
10.0	10.80		0.038	0.034			24.3	
20.0	12.80		0.030	0.034			24.5	
30.0	12.20		0.030				24.6	
50.0	12.40		0.050			0.150	24.4	
75.0	12.50		0.064				24.9	
100.0	10.70		0.082				24.9	
106.0	10.50		0.075			0.165	25.2	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	126.0	0.002	3.36	400E00		100E00	590E01	160E02
10.0				000E00				
20.0								
30.0								
50.0				000E00				
75.0								
100.0								
106.0	137.6			000E00		100E00	710E01	400E01

C-REF-NO 011
CONS. NO 033
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 08
DAY 23
TIME 1245

NO. DEPTHS 06
SOUNDING 0590
BT SLIDE NO 033

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	3.0	20.65	1.4	295	5.8	8.380	78.0	
10.0		15.12	1.7	297		8.070		
20.0		5.91	1.1	306		7.970		
30.0		4.63	1.0	310		8.020		
50.0		4.38	1.3	305	3.0	8.020	87.5	
57.0		4.37	1.0	303	1.9	8.000	87.5	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.70		0.046		0.005	0.240	27.2	
10.0	9.90		0.030		0.020		26.8	
20.0	9.80		0.046		0.175		26.8	
30.0	10.90				0.190		26.5	
50.0	10.80		0.100		0.225	0.140	26.7	
57.0	10.90		0.100		0.205	0.150	26.7	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	126.0	0.001	4.18	100E00		530E01	150E02	130E02
10.0				500E00				
20.0								
30.0								
50.0	135.5			100E00				
57.0	135.4			300E00		620E01	580E01	280E01

C-REF-NO 011
CONS. NO 034
COUNTRY 18
INSTITUTE 22

LAT 43-57-00N
LON 078-00-00W

YEAR 1967
MONTH 08
DAY 23
TIME 1335

NO. DEPTHS 03
SOUNDING 0180
BT SLIDE NO 034

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	3.0	19.24	1.5	288	3.4	8.380	84.0	
10.0		19.09	1.5	294		8.360		
17.0		14.09	1.7	297	3.6	8.010		

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.90		0.035		0.005	0.250	27.2	
10.0	8.90		0.050		0.005		27.5	
17.0	9.70		0.040		0.100	0.175	27.4	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	127.9		5.00					
10.0								
17.0								

C-REF-NO 011
CONS. NO 035
COUNTRY 18
INSTITUTE 22

LAT 43-56-00N
LON 077-39-00W

YEAR 1967
MONTH 08
DAY 23
TIME 1522

NO. DEPTHS 04
SOUNDING 0300
BT SLIDE NO 035

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	3.0	20.28	1.4	306	4.0	8.040	61.0	
10.0		17.30	1.3	297		8.080		
20.0		10.76	1.1	304		7.960		
28.0		8.06	1.2	308	2.2	7.920		

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.80				0.005	0.225	26.8	
10.0	7.65				0.050		26.8	
20.0	8.40				0.140		26.8	
28.0	9.05				0.175	0.150	26.5	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	127.8	0.002	4.18	000E00	000E00	000E00	770E01	660E01
10.0				000E00				
20.0								
28.0				000E00	000E00	000E00	760E01	470E01

C-REF-NO 011
CONS. NO 036
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 08
DAY 23
TIME 1623

NO. DEPTHS 04
SOUNDING 0280
BT SLIDE NO 036

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	4.0	20.44	1.5	295	5.5	8.430		
10.0		20.17	2.0	283		8.470		
20.0		13.33	1.0	304		7.940		
27.0		9.25	1.1	308	2.0	7.930	86.0	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	9.00				0.001	0.225	26.7	
10.0	8.90				0.001		26.9	
20.0	7.20				0.110		26.4	
27.0	8.55				0.175	0.100	27.0	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.001	4.42	000E00	000E00	000E00	500E01	430E01
10.0				000E00				
20.0								
27.0	135.3			100E00		000E00	270E01	330E01

C-REF-NO 011
CONS. NO 037
COUNTRY 18
INSTITUTE 22

LAT 43-48-00N
LON 077-30-00W

YEAR 1967
MONTH 08
DAY 23
TIME 1719

NO. DEPTHS 06
SOUNDING 0530
BT SLIDE NO 037

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	3.0	20.25	1.8	291	4.8	8.430	60.0	
10.0		19.69	1.7	299		8.360		
20.0		9.90	0.8	314		7.900		
30.0		5.70	0.9	313		7.900		
50.0		4.64	0.9	314	2.6	7.960		
52.0		4.62	1.1	305	4.3	7.940	87.5	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.80				0.005		26.9	
10.0	8.70				0.005		27.1	
20.0	8.60				0.160		26.6	
30.0	9.80				0.190		26.6	
50.0	10.40				0.205	0.150	27.1	
52.0	10.60				0.205	0.150	26.3	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	129.0	0.004	3.13	000E00		000E00	780E01	590E01
10.0				000E00				
20.0								
30.0								
50.0								
52.0	134.7			300E00		000E00	620E01	400E01

C-REF-NO 011
CONS. NO 038
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 08
DAY 23
TIME 1813

NO. DEPTHS 07
SOUNDING 0800
BT SLIDE NO 038

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	5.0	21.13	1.3	295	4.4	8.370	79.0	
10.0		20.75	1.5	299		8.390		
20.0		9.57	1.0	309		7.980		
30.0		6.42	1.0	316		7.920		
50.0		4.78	1.1	310	3.5	7.990		
75.0		4.83	1.0	305		7.980		
79.0		4.75	11.8	319	4.0	7.980		

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.70				0.001	0.280	27.0	
10.0	8.40				0.001		26.8	
20.0	9.10				0.120		26.8	
30.0	10.10				0.165		26.6	
50.0	10.20				0.186		26.3	
75.0	11.20				0.190		26.2	
79.0	12.30				0.210	0.150	26.3	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	126.1	0.002	3.83	000E00		000E00	600E01	120E02
10.0				110E01				
20.0								
30.0								
50.0								
75.0								
79.0				000E00		000E00	310E01	550E01

C-REF-NO 011
CONS. NO 039
COUNTRY 18
INSTITUTE 22

LAT 43-38-00N
LON 077-30-00W

YEAR 1967
MONTH 08
DAY 23
TIME 1909

NO. DEPTHS 08
SOUNDING 1300
BT SLIDE NO 039

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	3.0	20.93	1.2	294	5.2	8.450		
10.0		20.79	0.9	298		8.330		
20.0		15.12	0.7	304		8.060		
30.0		5.10	1.4	315		7.990		
50.0		4.14	0.7	311	3.9	8.070		
75.0		3.92	0.7	310		8.070		
100.0		3.80	2.4	310		8.040		
129.0		3.76						

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.95				0.001	0.250	26.2	
10.0	8.65				0.001		26.2	
20.0	6.90				0.035		26.2	
30.0	11.30				0.216		26.0	
50.0	12.20				0.215	0.150	25.5	
75.0	12.70				0.200		25.0	
100.0	12.40				0.210		25.5	
129.0	8.90					0.375		

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	127.0	0.002	3.01	100E00		000E00	680E01	280E02
10.0				000E00				
20.0								
30.0								
50.0	135.3			000E00				
75.0								
100.0								
129.0	137.8			000E00			920E01	120E02

C-REF-NO 011
CONS. NO 040
COUNTRY 18
INSTITUTE 22

LAT 43-33-00N
LON 077-30-00W

YEAR 1967
MONTH 08
DAY 23
TIME 2005

NO. DEPTHS 09
SOUNDING 1720
BT SLIDE NO 040

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	4.0	21.22	1.0	317	2.5	8.430	75.5	
10.0		20.78	1.0	315		8.450		
20.0		8.35	1.0	328		8.170		
30.0		5.38	0.6	315		8.130		
50.0		4.00	1.5	323	1.9	8.460	85.0	
75.0		3.92	0.4	324		8.240		
100.0		3.82	0.5	308		8.050		
150.0		3.79	0.6	325		8.050		
171.0		3.78	1.5	327	3.2	8.100		

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.75				0.005	0.210	26.7	
10.0	8.80				0.005		26.4	
20.0	10.45				0.125		26.0	
30.0	11.70				0.175		26.0	
50.0	12.35				0.180	0.185	26.0	
75.0	12.61				0.180		26.0	
100.0	12.40				0.180		26.0	
150.0	12.30				0.180		26.4	
171.0	12.40				0.180	0.135	26.4	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	126.7	0.002	3.48	000E00		000E00	300E01	570E01
10.0				000E00				
20.0								
30.0								
50.0	134.8			000E00				
75.0								
100.0								
150.0								
171.0				000E00		000E00	340E01	480E01

C-REF-NO 011
CONS. NO 041
COUNTRY 18
INSTITUTE 22

LAT 43-27-00N
LON 077-30-00W

YEAR 1967
MONTH 08
DAY 23
TIME 2111

NO. DEPTHS 09
SOUNDING 1690
BT SLIDE NO 041

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	3.5	21.85	0.8	309	2.3	8.550		
10.0		20.47	1.0	319		8.580		
20.0		8.46	1.2	319		8.160		
30.0		5.31	1.1	323		8.150		
50.0		4.07	1.0	319	2.1	8.060		
75.0		3.91	0.8	304		8.080		
100.0		3.85	0.4	305		8.100		
150.0		3.78	0.4	302		8.120		
167.0		3.77	0.4	298	1.8	8.130		

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	7.80				0.005	0.300	26.5	
10.0	8.90				0.005		26.5	
20.0	10.40				0.140		26.4	
30.0	11.80				0.180		26.4	
50.0	12.40				0.180	0.150	26.3	
75.0	12.30				0.175		26.0	
100.0	12.50				0.160		26.2	
150.0	12.60				0.180		26.2	
167.0	12.50				0.180	0.200	26.5	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.001	6.99	500E00		500E00	500E01	800E02
10.0				100E00				
20.0								
30.0								
50.0				100E00				
75.0								
100.0								
150.0								
167.0				000E00		000E00	320E01	850E01

C-REF-NO 011
CONS. NO 042
COUNTRY 18
INSTITUTE 22

LAT 43-22-00N
LON 077-30-00W

YEAR 1967
MONTH 08
DAY 23
TIME 2209

NO. DEPTHS 08
SOUNDING 1310
BT SLIDE NO 042

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	3.5	21.75	0.7	312	2.6	8.520	78.5	
10.0		21.74	0.7	316		8.610		
20.0		12.01	1.0	319		8.110		
30.0		4.97	0.4	322		8.110		
50.0		4.06	0.3	317	3.3	8.130		
75.0		3.97	0.4	319		8.270		
100.0		3.83	0.5			8.140		
128.0			0.4		68.8	8.110		

DEPTH	O2 W D	O2 P R	PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.85					0.235	27.0	
10.0	9.05						27.0	
20.0	9.35				0.150		27.0	
30.0	11.80				0.240		26.6	
50.0	12.30				0.225	0.150	26.9	
75.0	12.30				0.235		26.0	
100.0	12.50				0.225		25.9	
128.0	10.55				0.260	0.200	26.9	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	127.6	0.001	6.29	100E00	000E00	000E00		400E01
10.0				800E00				
20.0								
30.0								
50.0				120E01				
75.0								
100.0								
128.0					000E00	800E00		100E02

C-REF-NO 011
CONS. NO 043
COUNTRY 18
INSTITUTE 22

LAT 43-17-00N
LON 077-30-00W

YEAR 1967
MONTH 08
DAY 23
TIME 2312

NO. DEPTHS 04
SOUNDING 0310
BT SLIDE NO 043

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	4.0	21.82	0.7	312	4.3	8.490		
10.0		21.49	0.9	318		8.440		
20.0		6.06	0.5	318		8.040		
29.0		5.20	0.7	316	4.9	8.110		

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.80					0.425	27.1	
10.0	8.45						26.7	
20.0	12.25				0.250		26.5	
29.0	10.45				0.270	0.240	26.6	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.001	8.25	300E00	000E00	000E00		420E02
10.0				000E00				
20.0								
29.0				900E00	000E00	100E00		420E02

C-REF-NO 011
CONS. NO 044
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 08
DAY 24
TIME 0221

NO. DEPTHS 04
SOUNDING 0310
BT SLIDE NO 044

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0		21.90	0.9	307	4.0	8.570	78.0	
10.0		21.46	0.9	311		8.490		
20.0		21.47	1.0	314		8.410		
28.0		5.17	0.8	321	3.5	8.010	84.0	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.50					0.265	24.6	
10.0	8.40						24.9	
20.0	8.45						28.1	
28.0	10.20					0.225	24.4	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	126.2	0.001	5.12	400E00	000E00	000E00		
10.0				200E00				
20.0								
28.0	136.0			600E00	300E00	000E00		

C-REF-NO 011
CONS. NO 045
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 08
DAY 24
TIME 0334

NO. DEPTHS 06
SOUNDING 0770
BT SLIDE NO 045

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0		21.68	0.8	298	6.3	8.410	77.5	
10.0		21.66	0.9	299		8.390		
20.0		21.53	1.0	289		8.350		
30.0		6.99		318		8.000		
49.0		4.06	0.4	316	4.1	8.020	85.5	
74.0		4.05		318	343.0	8.000		

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.50					0.265	25.7	
10.0	8.50						26.0	
20.0	8.40						25.6	
30.0	10.50				0.220		25.0	
49.0	12.00				0.240	0.225	25.3	
74.0	11.30				0.235	0.365	30.7	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	126.1	0.010	4.77	100E00	000E00	000E00		
10.0				100E00				
20.0								
30.0								
49.0	133.8			400E00				
74.0	136.5			400E00	400E00	000E00		

C-REF-NO 011
CONS. NO 046
COUNTRY 18
INSTITUTE 22

LAT 43-28-00N
LON 077-00-00W

YEAR 1967
MONTH 08
DAY 24
TIME 0505

NO. DEPTHS 19
SOUNDING 2080
BT SLIDE NO 046

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0		21.06	1.2	303		8.140	76.1	1.1
4.0		21.03	1.0	303	6.4	8.390	76.0	
7.0		21.07	1.1	303	5.4	8.480	75.0	
10.0		20.98	1.1	301	5.3	8.480	74.5	
13.0		20.89			5.3	8.450	75.0	
16.0		19.82	4.1	303	17.8	8.360	76.0	
19.0		11.29	0.8	316	9.9	8.090	84.0	
22.0			0.3	313	9.9	8.210		
25.0		7.59	0.1	316	4.3	8.210		
28.0		6.65	0.6	314	4.5	8.080	81.0	
31.0		6.09	0.9	319	4.1	8.190	82.0	
34.0		5.49	0.4	318	4.0	8.160	82.0	
37.0		5.19	0.8	319	5.2	8.130	82.5	
40.0		4.78	0.5	318	4.9	8.220	82.5	
49.0		4.00	0.4	308	5.3	8.100	83.0	
74.0		3.93	0.8	315	4.7	8.110	84.0	
98.0		3.86	0.5	309	5.2	8.190	84.0	
148.0		3.79	0.4	317	3.5	8.110	82.5	
197.0		3.71	0.4	316	4.5	8.210	82.5	1.7

DEPTH	02 W	D 02 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.60					0.225	27.4	
4.0	8.70					0.225	27.6	
7.0	8.80					0.265	27.9	
10.0	8.80					0.240	27.8	
13.0	8.60					0.265	27.5	
16.0	8.30					0.230	27.8	
19.0	8.40				0.051	0.180	27.5	
22.0	10.50				0.075	0.250	27.8	
25.0	10.80				0.012	0.250	27.5	
28.0	11.30				0.165	0.300	27.8	
31.0	11.30				0.015	0.200	26.9	
34.0	11.30				0.160	0.220	27.3	
37.0	11.60				0.170	0.185	27.5	
40.0	12.05				0.165	0.220	27.4	
49.0	12.20				0.019	0.140	27.3	
74.0	12.30				0.019	0.175	26.5	
98.0	12.30				0.019	0.175	27.0	
148.0	12.35				0.180	0.250	27.0	
197.0	12.35					0.225	27.3	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	126.0	0.000	3.60	400E00			120E02	880E01
4.0	126.0							
7.0	126.0							
10.0	126.0			400E00				
13.0	126.0							
16.0	126.0							
19.0	130.7							
22.0	135.3							
25.0								
28.0	129.3							
31.0	130.5							
34.0	130.6							
37.0	130.5							
40.0	131.3							
49.0	131.4							
74.0	131.5							
98.0	130.6							
148.0	131.2							
197.0	132.0							

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	183.0	83.2	27.0	37.200	8.300	1.300	12.200
4.0							
7.0							
10.0							
13.0							
16.0							
19.0							
22.0							
25.0							
28.0							
31.0							
34.0							
37.0							
40.0							
49.0	193.0	84.7	27.0	37.600	8.100	1.300	12.000
74.0							
98.0							
148.0							
197.0	197.0	93.8	28.2	41.100	8.100	1.300	11.800

C-REF-NO 011
CONS. NO 047
COUNTRY 18
INSTITUTE 22

LAT 43-35-00N
LON 077-00-00W

YEAR 1967
MONTH 08
DAY 24
TIME 0702

NO. DEPTHS 09
SOUNDING 1820
BT SLIDE NO 047

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0		21.07	0.9	301	4.4	8.480	75.0	
10.0		21.03	0.8	309		8.500		
19.0		7.36	0.6	315		8.210		
29.0		5.00	0.5	317		8.120		
48.0		4.00	0.5	314	3.8	8.120		
72.0		3.86	0.5	313		8.120		
97.0		3.84	0.3	324		8.120		
145.0		3.72	0.3	311		8.030		
172.0		3.74	0.6	316	5.2	7.980	85.0	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.70					0.250	27.5	
10.0	8.10						27.6	
19.0	10.10				0.130		27.2	
29.0	11.60				0.220		27.4	
48.0	12.10				0.225	0.180	27.3	
72.0	12.50				0.230		27.3	
97.0	12.20				0.230		27.3	
145.0	12.10				0.225		27.6	
172.0	10.60				0.240	0.200	27.6	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	125.7	0.001	4.07	000E00		000E00	250E02	350E02
10.0				000E00				
19.0								
29.0								
48.0	136.1			600E00				
72.0								
97.0								
145.0								
172.0	135.9			000E00		000E00	410E01	180E02

C-REF-NO 011
CONS. NO 048
COUNTRY 18
INSTITUTE 22

LAT 43-41-00N
LON 077-00-00W

YEAR 1967
MONTH 08
DAY 24
TIME 0811

NO. DEPTHS 08
SOUNDING 1160
BT SLIDE NO 048

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0		20.81	0.8	302	3.0	8.450	76.0	
10.0		20.80	0.8	288		8.540		
20.0		8.18	0.9	317		8.180		
30.0		5.18	0.4	316		8.080		
50.0		4.26	1.1	313	2.4	8.070	84.0	
75.0		3.96	0.5	319		8.090		
100.0		3.89	0.9	316		8.050		
115.0		3.88	0.3	319	7.5	7.940	87.0	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.70					0.335	30.4	
10.0	8.70						28.1	
20.0	10.25						28.9	
30.0	11.00						28.6	
50.0	12.00						28.6	
75.0	12.20						29.2	
100.0	11.10						28.9	
115.0	9.80					0.345	29.6	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	125.8	0.001	3.60	000E00		000E00	960E01	870E01
10.0				100E00				
20.0								
30.0								
50.0	133.8			100E00				
75.0								
100.0								
115.0	138.0						140E03	170E02

C-REF-NO 011
CONS. NO 049
COUNTRY 18
INSTITUTE 22

LAT 43-46-00N
LON 077-00-00W

YEAR 1967
MONTH 08
DAY 24
TIME 0912

NO. DEPTHS 06
SOUNDING 0740
BT SLIDE NO 049

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0		20.97	0.9	292	3.5	8.390	75.0	
10.0		20.94	0.7	291		8.480		
20.0		20.90	0.8	297		8.470		
30.0		8.30	0.6	317		8.140		
50.0		4.86	0.7	316		8.110		
72.0		4.07	1.3	313	3.6	8.020	87.5	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.50					0.285	27.4	
10.0	8.50						27.4	
20.0	8.50						27.5	
30.0	9.40				0.195		27.4	
50.0	11.20				0.230	0.260	27.3	
72.0	10.85				0.250	0.170	27.6	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	125.7	0.000	3.36	100E00		100E00	130E02	730E01
10.0				400E00				
20.0								
30.0								
50.0	136.2			000E00				
72.0	137.1			000E00		200E00	440E01	440E01

C-REF-NO 011
CONS. NO 050
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 08
DAY 24
TIME 1007

NO. DEPTHS 03
SOUNDING 0180
BT SLIDE NO 050

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0		20.93	0.7	304	3.0	8.320	78.5	
10.0		20.88	0.7	304		8.420		
16.0		20.65	0.8	305	3.2	8.410	80.5	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.00				0.001	0.280	27.7	
10.0	8.50				0.001		27.9	
16.0	8.40				0.001	0.290	26.8	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	126.9	0.001	6.52	100E00	000E00	000E00	740E01	840E01
10.0				000E00				
16.0	128.5			100E00	000E00	000E00	680E01	130E02

C-REF-NO 011
CONS. NO 051
COUNTRY 18
INSTITUTE 22

LAT 43-52-00N
LON 076-37-00W

YEAR 1967
MONTH 08
DAY 24
TIME 1208

NO. DEPTHS 05
SOUNDING 0390
BT SLIDE NO 051

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	5.0	21.43	0.7	315	4.4	8.340	80.0	
10.0		21.41	0.7	314		8.370		
20.0		21.42	0.7	313		8.390		
30.0		11.45	0.9	329		8.020		
37.0		5.62	1.3	330	4.4	7.890	88.0	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.40				0.001	0.275	27.4	
10.0	8.40				0.005		27.5	
20.0	8.30				0.005		27.5	
30.0	7.30				0.140		27.4	
37.0	8.80				0.200	0.335	27.4	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	127.1	0.001	4.77	200E00		400E00	990E01	120E02
10.0				000E00				
20.0								
30.0								
37.0	140.0			100E00		380E01	120E02	890E01

C-REF-NO 011
CONS. NO 052
COUNTRY 18
INSTITUTE 22

LAT 43-47-00N
LON 076-37-00W

YEAR 1967
MONTH 08
DAY 24
TIME 1305

NO. DEPTHS 06
SOUNDING 0610
BT SLIDE NO 052

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	3.5	21.27	0.6	312	3.9	8.470	79.0	
10.0		21.24	0.3	313		8.400		
20.0		21.22	0.7	304		8.390		
30.0		6.83	1.0	322		8.150		
50.0		4.24	0.6	324	2.9	8.040	87.5	
60.0		4.21	0.7	331	4.8	7.940	89.0	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.55				0.001	0.305	27.0	
10.0	8.50				0.001		27.0	
20.0	8.50				0.001		27.0	
30.0	11.00				0.150		27.1	
50.0	10.65				0.175	0.215	26.4	
60.0	10.10				0.185	0.215	26.5	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	127.1	0.002	3.60	000E00		100E00	230E02	190E02
10.0				300E00				
20.0								
30.0								
50.0	138.6			000E00				
60.0	139.0			000E00		000E00	180E02	740E01

C-REF-NO 011
CONS. NO 053
COUNTRY 18
INSTITUTE 22

LAT 43-42-00N
LON 076-37-00W

YEAR 1967
MONTH 08
DAY 24
TIME 1407

NO. DEPTHS 08
SOUNDING 1080
BT SLIDE NO 053

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	4.5	21.26	0.6	314	6.0	8.470	80.0	
10.0		21.21	0.6	309		8.500		
20.0		11.87	0.4	321		8.070		
30.0		7.64	1.0	323		8.070		
50.0		4.11	0.4	311	3.5	8.130		
75.0		3.99	0.8	305		8.090		
100.0		3.86	0.4	311		8.130		
106.0		3.86	1.0	325	4.2	7.980	88.0	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.40				0.001	0.285	26.3	
10.0	8.70				0.001		26.7	
20.0	8.60				0.090		26.8	
30.0	10.90				0.140		26.7	
50.0	12.20				0.185	0.290	26.3	
75.0	12.10				0.180		26.2	
100.0	11.40				0.105		26.3	
106.0	12.50				0.200	0.260	26.3	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	126.4	0.001	3.60	170E01		000E00	210E02	170E02
10.0				000E00				
20.0								
30.0								
50.0	136.5			000E00				
75.0								
100.0								
106.0	139.6			400E00		000E00	520E01	300E01

C-REF-NO 011
CONS. NO 054
COUNTRY 18
INSTITUTE 22

LAT 43-37-00N
LON 076-37-00W

YEAR 1967
MONTH 08
DAY 24
TIME 1507

NO. DEPTHS 09
SOUNDING 1710
BT SLIDE NO 054

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0		21.32	0.3	308	45.9	8.430	76.0	
10.0		21.23	0.4	310		8.440		
20.0		10.13	0.4	317		8.070		
30.0		7.12	0.2	312		8.130		
50.0		4.16	0.1	303	4.0	8.180	85.0	
75.0		3.96	0.1	295		8.200		
100.0		3.87	0.2	305		8.110		
150.0		3.74	0.1	306		8.110		
169.0		3.75	0.3	304	4.4	8.060		

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.70				0.001	0.310	26.8	
10.0	8.60				0.001		26.8	
20.0	9.10				0.161		26.8	
30.0	10.90				0.225		26.9	
50.0	12.30				0.240	0.390	26.6	
75.0	12.40				0.250			
100.0	12.40				0.230		26.7	
150.0	12.50				0.235			
169.0	10.70				0.240	0.250	26.5	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	126.8	0.001	3.71	000E00		000E00	790E01	570E01
10.0				500E00				
20.0								
30.0								
50.0	139.7			000E00				
75.0								
100.0								
150.0								
169.0				000E00		000E00	380E01	480E01

C-REF-NO 011
CONS. NO 055
COUNTRY 18
INSTITUTE 22

LAT 43-32-00N
LON 076-38-00W

YEAR 1967
MONTH 08
DAY 24
TIME 1613

NO. DEPTHS 09
SOUNDING 1540
BT SLIDE NO 055

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	4.0	21.46	0.7	315	4.6	8.440	77.0	
10.0		21.24	0.6	313		8.460		
20.0		19.92	1.0	314		8.220		
30.0		7.51	0.6	325		8.090		
50.0		4.66	0.6	327		8.060	75.0	
75.0		3.97	0.4	306		8.080		
100.0		3.87	0.2	324		8.110		
150.0		3.74	0.1	325		8.110		
152.0		3.77	0.3	327	3.5	8.060	70.0	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0		8.90			0.001	0.230	27.2	
10.0		8.65			0.001		27.3	
20.0		8.08			0.005		27.1	
30.0		10.50			0.180		27.0	
50.0		11.95			0.225	0.180	27.1	
75.0		12.35			0.210		26.7	
100.0		12.40			0.200		26.6	
150.0		12.50			0.240		27.0	
152.0		10.70				0.700		

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	126.0	0.000	4.42	000E00		120E01	720E01	100E02
10.0				000E00				
20.0								
30.0								
50.0	132.2			000E00				
75.0								
100.0								
150.0								
152.0	133.2						280E02	140E02

C-REF-NO 011
CONS. NO 056
COUNTRY 18
INSTITUTE 22

LAT 43-27-00N
LON 076-38-00W

YEAR 1967
MONTH 08
DAY 24
TIME 1705

NO. DEPTHS 05
SOUNDING 0370
BT SLIDE NO 056

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	3.5	21.94	0.9	326	7.1	8.350		
10.0		21.59	0.5	332		8.300		
20.0		21.56	0.9	332		8.370		
30.0		10.12	0.5	327		7.940		
36.0		6.24	0.6	327	57.5	7.890		

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.65				0.005	0.280	32.8	
10.0	8.55				0.005		34.0	
20.0	8.60				0.005		31.5	
30.0	10.50				0.215		27.0	
36.0	10.50				0.220	0.315	27.6	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	130.7	0.000	4.18	600E00	000E00	000E00	840E01	190E03
10.0				300E00				
20.0								
30.0								
36.0				000E00	000E00	100E01	900E01	110E02

C-REF-NO 011
CONS. NO 057
COUNTRY 18
INSTITUTE 22

LAT 43-33-00N
LON 076-21-00W

YEAR 1967
MONTH 08
DAY 24
TIME 1900

NO. DEPTHS 05
SOUNDING 0390
BT SLIDE NO 057

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	4.0	21.94	0.9	324	4.5	8.430	69.0	
10.0		21.58	1.0	318		8.470		
20.0		13.09	0.8	316		8.050		
30.0		5.56	0.7	331		8.050		
38.0		5.16	3.0	315	10.8	7.990	86.0	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.90				0.001	0.230	30.1	
10.0	8.95				0.001		30.1	
20.0	8.70				0.130		27.8	
30.0	11.40				0.140		27.9	
38.0	10.20				0.200	0.230	28.3	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	127.1	0.000	5.00	000E00	000E00	000E00	390E01	170E02
10.0				000E00				
20.0								
30.0								
38.0	136.7			000E00	100E00	000E00	750E01	260E02

C-REF-NO 011
CONS. NO 058
COUNTRY 18
INSTITUTE 22

LAT 43-42-00N
LON 076-15-00W

YEAR 1967
MONTH 08
DAY 24
TIME 2012

NO. DEPTHS 04
SOUNDING 0270
BT SLIDE NO 058

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	4.5	22.20	0.6	307	2.9	8.470	70.0	
10.0		21.50	0.9	304		8.440		
20.0		21.50	0.9	301		8.420		
25.0		10.52	1.0	306	2.7	8.220	85.0	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.70				0.001	0.285	30.8	
10.0	8.45				0.001		30.0	
20.0	8.30				0.005		30.2	
25.0	7.10				0.200	0.320	28.4	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	126.2	0.001	4.18	250E01	100E01	200E00	140E02	290E02
10.0				300E00				
20.0								
25.0	137.2			100E00	700E00	200E00	300E02	140E02

C-REF-NO 011
CONS. NO 059
COUNTRY 18
INSTITUTE 22

LAT 43-50-00N
LON 076-22-00W

YEAR 1967
MONTH 08
DAY 24
TIME 2128

NO. DEPTHS 05
SOUNDING 0390
BT SLIDE NO 059

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	4.5	21.83	1.0	334	4.1		60.0	
10.0		21.57	1.1	344				
20.0		21.56	0.8	303				
30.0		7.40	1.2	317				
37.0		5.98	1.7	323	3.5		90.0	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.75				0.005	0.250	27.9	
10.0	8.40				0.005		28.2	
20.0	8.25				0.005		28.3	
30.0	8.70				0.310		27.4	
37.0	8.65				0.330	0.235	27.2	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	126.0	0.001	6.52	000E00	000E00	000E00	780E01	840E01
10.0				000E00				
20.0								
30.0								
37.0	139.5			000E00	000E00	000E00		740E01

C-REF-NO 011
CONS. NO 060
COUNTRY 18
INSTITUTE 22

LAT 43-55-00N
LON 076-15-00W

YEAR 1967
MONTH 08
DAY 24
TIME 2226

NO. DEPTHS 04
SOUNDING 0250
BT SLIDE NO 060

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	3.0	22.12	1.2	296	4.3	8.340		
10.0		21.76	1.1	300		8.360		
20.0		21.71	1.0	300		8.240		
23.0		10.71	1.6	313	4.6	7.930	85.0	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	9.10				0.001	0.335	27.3	
10.0	7.60				0.005		27.0	
20.0	7.65				0.005		27.0	
23.0	6.80				0.290	0.205	27.4	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	126.0	0.004	7.11	000E00	000E00	000E00	800E01	840E01
10.0				000E00				
20.0								
23.0	135.4			000E00	000E00	000E00	600E01	800E01

C-REF-NO 011
CONS. NO 061
COUNTRY 18
INSTITUTE 22

LAT 44-02-00N
LON 076-33-00W

YEAR 1967
MONTH 08
DAY 24
TIME 0012

NO. DEPTHS 04
SOUNDING 0240
BT SLIDE NO 061

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	4.0	21.70	0.8	300	7.5	8.430	75.0	
10.0		21.17	1.2	305		8.510		
20.0		21.02	1.0	307		8.420		
22.0		16.25	0.9	319	5.4	7.940	77.0	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.15				0.001	0.300	27.7	
10.0	7.90				0.001		28.3	
20.0	8.20				0.005		28.3	
22.0	6.20				0.165	0.325	27.8	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	126.2	0.001	5.12	000E00	000E00	000E00	580E01	340E01
10.0				000E00				
20.0								
22.0	130.0			000E00	000E00	000E00	480E01	640E01

C-REF-NO 011
CONS. NO 062
COUNTRY 18
INSTITUTE 22

LAT 44-00-00N
LON 076-43-00W

YEAR 1967
MONTH 08
DAY 25
TIME 0101

NO. DEPTHS 04
SOUNDING 0280
BT SLIDE NO 062

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0		21.26	0.5	303	6.3	8.420	75.0	
10.0		21.03	1.0	300		8.410		
20.0		17.45	0.7	316		7.890		
26.0		10.63	1.3	327	3.9	7.810	79.0	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	9.10				0.001	0.330	28.0	
10.0	8.40				0.001		28.5	
20.0	5.60				0.165		27.9	
26.0	6.90				0.220	0.240	28.2	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	126.3	0.002	4.77	000E00	000E00	200E00	670E01	980E01
10.0				000E00				
20.0								
26.0	138.0			210E01	000E00	000E00	250E02	980E01

C-REF-NO 011
CONS. NO 063
COUNTRY 18
INSTITUTE 22

LAT 43-17-00N
LON 077-22-00W

YEAR 1967
MONTH 08
DAY 25
TIME 0644

NO. DEPTHS 03
SOUNDING 0200
BT SLIDE NO 063

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0		21.30	0.9	269	3.0	8.656	75.0	1.7
10.0		6.76	0.5	329		7.710		
19.0		4.64	0.6	331	2.5	7.790	85.0	2.7

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.50		0.063	0.022	0.020	0.255		
10.0	10.40		0.039	0.013	0.250		25.3	
19.0	11.50		0.047	0.010	0.260	0.235	26.5	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	126.7	0.003		000E00	000E00	000E00		
10.0				600E00				
19.0	137.0	0.002		110E01	000E00	000E00		

C-REF-NO 011
CONS. NO 064
COUNTRY 18
INSTITUTE 22

LAT 43-17-06N
LON 077-26-12W

YEAR 1967
MONTH 08
DAY 25
TIME 0727

NO. DEPTHS 03
SOUNDING 0180
BT SLIDE NO 064

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0		20.77	0.8	318	4.6	8.160	60.0	
10.0		5.08	0.5	335		7.880		
17.0		5.02	0.5	336	2.8	7.840	85.0	1.5

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.80		0.047	0.021	0.020	0.335	26.7	
10.0	10.40		0.068	0.018	0.260		26.3	
17.0	10.50		0.049	0.016	0.260	0.200	26.4	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.002		200E00	000E00	100E00		
10.0				100E01				
17.0		0.000		000E00	000E00			

C-REF-NO 011
CONS. NO 065
COUNTRY 18
INSTITUTE 22

LAT 43-15-48N
LON 077-30-00W

YEAR 1967
MONTH 08
DAY 25
TIME 0814

NO. DEPTHS 03
SOUNDING 0160
BT SLIDE NO 065

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0		20.89	0.5	319	1.5	8.260		1.0
10.0		5.93	0.5	332		7.850		
14.0		5.03	0.5	336	2.9	7.810		1.8

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.80		0.043	0.035	0.008		27.3	
10.0	9.40		0.070	0.012	0.255		26.5	
14.0	10.50		0.065	0.012	0.255		26.5	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.000		000E00	000E00	100E00		
10.0				200E00				
14.0		0.000		900E00	300E00	000E00		

C-REF-NO 011
CONS. NO 066
COUNTRY 18
INSTITUTE 22

LAT 43-16-42N
LON 077-32-42W

YEAR 1967
MONTH 08
DAY 25
TIME 0852

NO. DEPTHS 04
SOUNDING 0250
BT SLIDE NO 066

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0		20.99	0.7	322	2.7	8.280	79.0	1.2
10.0		6.76	0.6	319		7.900		
20.0		4.51	0.6	316		7.880		
23.0		4.51	0.6	313	1.9	7.900	85.0	1.6

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.70		0.042	0.020	0.006	0.320	26.7	
10.0	9.60		0.060	0.013	0.235		26.0	
20.0	11.00		0.056	0.010	0.240		26.1	
23.0	11.00		0.058	0.017	0.240	0.140	26.1	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.001		000E00	200E00	000E00	110E03	620E02
10.0				140E01				
20.0								
23.0	136.5	0.000		600E00		000E00	940E02	740E02

C-REF-NO 011
CONS. NO 067
COUNTRY 18
INSTITUTE 22

LAT 43-18-18N
LON 077-36-12W

YEAR 1967
MONTH 08
DAY 25
TIME 0935

NO. DEPTHS 04
SOUNDING 0250
BT SLIDE NO 067

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0		20.82	0.8	319	1.5	8.250		1.0
10.0		6.05	0.5	348		7.910		
20.0		4.63	1.0	316		7.910		
23.0		4.62	0.8	309	1.6	7.790	87.5	2.1

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.70		0.040	0.012	0.006	0.200	26.8	
10.0	9.90		0.057	0.012	0.240		26.5	
20.0	11.00		0.054	0.030	0.245		26.5	
23.0	11.00		0.058	0.010	0.240	0.150	26.4	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	128.2	0.000		200E00	000E00	000E00		
10.0				120E02				
20.0								
23.0	137.3			460E01	100E01	100E00		

C-REF-NO 011
CONS. NO 068
COUNTRY 18
INSTITUTE 22

LAT 43-20-00N
LON 077-39-30W

YEAR 1967
MONTH 08
DAY 25
TIME 1011

NO. DEPTHS 03
SOUNDING 0220
BT SLIDE NO 068

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0		20.89	1.0	354	1.5	8.890	74.0	1.2
10.0		7.17	0.7	306		8.060		
20.0		4.66	0.8	313	2.2	7.830	85.0	1.9

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.90		0.036	0.028	0.010	0.290	26.8	
10.0	10.00		0.088	0.018	0.235		26.7	
20.0	10.75		0.062	0.015	0.240	0.160	26.4	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	128.1	0.003		600E00		000E00		
10.0				180E01				
20.0	137.0			320E01	500E00	100E00		

C-REF-NO 011
CONS. NO 069
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 08
DAY 25
TIME 1051

NO. DEPTHS 06
SOUNDING 0610
BT SLIDE NO 069

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	4.0	21.09	1.0	315	1.5	8.360	77.5	0.8
10.0		21.06	0.7	317		8.240		
20.0		5.45	0.8	330		7.880		
30.0		4.60	0.6	323		8.050	84.0	
50.0		4.04	0.5	322	1.8	8.010		
59.0		4.04	0.6	323	1.4	7.770		1.6

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.55		0.040	0.030	0.004	0.215	26.8	
10.0	8.55		0.033	0.015	0.004		27.8	
20.0	11.00		0.033	0.010	0.235		26.5	
30.0	11.60		0.040	0.010	0.240		26.6	
50.0	11.80		0.049	0.030	0.240	0.205	26.5	
59.0	11.81		0.078	0.030		0.315	26.7	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	127.3	0.002		110E01	000E00	200E01	200E02	220E02
10.0				000E00				
20.0								
30.0								
50.0				500E01				
59.0				200E01	240E01	700E01	180E02	240E02

C-REF-NO 011
CONS. NO 070
COUNTRY 18
INSTITUTE 22

LAT 43-19-18N
LON 077-32-30W

YEAR 1967
MONTH 08
DAY 25
TIME 1140

NO. DEPTHS 05
SOUNDING 0480
BT SLIDE NO 070

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	3.0	20.88	0.6	321	2.4	8.300	79.0	0.6
10.0		20.84	0.8	308		8.190		
20.0		5.96	0.5	321		7.920		
30.0		4.46	0.8	322		7.730		
46.0		4.36	0.5	313	2.3	7.890	60.0	1.0

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.40		0.046		0.004	0.265	27.2	
10.0	8.80		0.027		0.004		27.2	
20.0	11.85		0.050		0.240		26.9	
30.0	11.65		0.050		0.240		27.0	
46.0	11.05		0.059		0.240	0.215	26.9	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	127.9	0.001		100E00	000E00	500E00	220E02	270E02
10.0				500E00				
20.0								
30.0								
46.0	133.1			900E00	000E00	600E00	280E02	130E02

C-REF-NO 011
CONS. NO 071
COUNTRY 18
INSTITUTE 22

LAT 43-18-00N
LON 077-29-12W

YEAR 1967
MONTH 08
DAY 25
TIME 1226

NO. DEPTHS 05
SOUNDING 0440
BT SLIDE NO 071

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	4.0	21.38	0.6	302	1.6	8.080		0.6
10.0		16.90	0.9	313		7.920		
20.0		4.36	0.6	314		7.960		
30.0		3.96	0.8	327		7.980		
42.0		3.88	0.6	319	2.9	7.950		1.7

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.50		0.033		0.008		27.3	
10.0	7.40		0.037		0.140		27.0	
20.0	11.85		0.032		0.230		26.8	
30.0	12.80		0.037		0.230		26.7	
42.0	11.40		0.052		0.240		27.0	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.002		000E00		000E00	140E02	610E01
10.0				000E00				
20.0								
30.0								
42.0				000E00		400E00	930E01	560E01

C-REF-NO 011
CONS. NO 072
COUNTRY 18
INSTITUTE 22

LAT 43-19-12N
LON 077-25-30W

YEAR 1967
MONTH 08
DAY 25
TIME 1317

NO. DEPTHS 06
SOUNDING 0740
BT SLIDE NO 072

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	3.0	21.44	0.6	308	3.8	8.160	77.5	1.4
10.0		21.21	0.8	309		8.270		
20.0		5.82	0.6	319		7.950		
30.0		4.12	0.5	320		7.950		
50.0		3.92	0.3	319	3.1	7.950		
72.0		3.87	0.3	322	1.9	7.890	85.0	1.6

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.60		0.045		0.001	0.280	27.6	
10.0	8.50		0.042		0.001		27.5	
20.0	11.40		0.043		0.220		27.2	
30.0	11.80		0.026		0.200		27.0	
50.0	12.40		0.045		0.225	0.220	26.9	
72.0	11.55		0.051		0.230	0.135	26.8	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.001		000E00	000E00	000E00	330E02	110E02
10.0				300E00				
20.0								
30.0								
50.0	134.0			000E00				
72.0	133.3			000E00	000E00	400E00	470E02	120E02

C-REF-NO 011
CONS. NO 073
COUNTRY 18
INSTITUTE 22

LAT 43-20-30N
LON 077-21-48W

YEAR 1967
MONTH 08
DAY 25
TIME 1417

NO. DEPTHS 07
SOUNDING 0870
BT SLIDE NO 073

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	4.0	21.67	0.5	301	3.7	8.090	79.0	1.1
10.0		21.59	0.7	304		8.320		
20.0		8.59	0.5	306		7.930		
30.0		4.37	0.8	313		7.890		
50.0		3.97	0.5	329	2.9	7.920		
74.0		4.00	0.7	323		7.820		
84.0		3.90	0.4	323	3.2	7.820		1.4

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.50		0.037		0.002	0.250	27.2	
10.0	8.30		0.030		0.002		26.9	
20.0	9.90		0.030		0.220		26.5	
30.0	11.80		0.030		0.260		26.0	
50.0	12.00		0.030		0.260	0.225	26.1	
74.0	11.30		0.049		0.280		26.0	
84.0	10.15		0.070		0.280	0.265		

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.001		110E01	400E00	000E00	350E02	120E02
10.0				300E00				
20.0								
30.0								
50.0				300E00				
74.0								
84.0				300E00	000E00	000E00	250E02	130E02

C-REF-NO 011
CONS. NO 074
COUNTRY 18
INSTITUTE 22

LAT 43-22-12N
LON 077-25-12W

YEAR 1967
MONTH 08
DAY 25
TIME 1520

NO. DEPTHS 09
SOUNDING 1730
BT SLIDE NO 074

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	3.5	21.38			6.0		77.5	1.1
10.0		21.24						
20.0		13.56						
30.0		5.65						
50.0		4.23			1.1		74.0	
74.0		3.95						
99.0		3.84						
149.0		3.74						
169.0		3.76			130.0			1.7

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.80		0.040		0.001	0.330	28.1	
10.0	8.60		0.028		0.001		28.0	
20.0	7.30		0.027		0.155		27.5	
30.0	11.30		0.028		0.250		27.4	
50.0	12.00		0.030		0.260	0.225	27.4	
74.0	12.40		0.033		0.260		27.6	
99.0	12.35		0.080		0.260		27.8	
149.0	12.10		0.033		0.260		27.5	
169.0	10.30				0.280	0.350	30.4	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	127.0	0.002		000E00	000E00	000E00	290E02	250E02
10.0				000E00				
20.0								
30.0								
50.0				100E00				
74.0								
99.0								
149.0								
169.0					000E00			110E02

C-REF-NO 011
CONS. NO 075
COUNTRY 18
INSTITUTE 22

LAT 43-20-54N
LON 077-28-54W

YEAR 1967
MONTH 08
DAY 25
TIME 1619

NO. DEPTHS 08
SOUNDING 1160
BT SLIDE NO 075

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	4.0	21.43	0.7	312	6.4	8.160	78.0	1.2
10.0		21.26	0.7	314		8.280		
20.0		7.74	0.4	319		8.080		
30.0		4.54	0.3	314		9.920	84.0	
50.0		3.98	0.3	325	2.2	7.940		
75.0		3.85	0.3	320		7.930		
100.0		3.72	0.3	324		7.930		
115.0		3.79	0.8	322	16.4	7.910	83.0	1.3

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.00		0.040		0.001	0.230	28.3	
10.0	8.60		0.042		0.001		28.5	
20.0	10.35		0.017		0.215		28.0	
30.0	11.90		0.027		0.240		28.3	
50.0	12.30		0.031		0.250	0.150	28.3	
75.0	12.30		0.048		0.240		28.6	
100.0	12.20		0.260				29.8	
115.0	11.30		0.132		0.255	0.165	29.1	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	126.7	0.000		300E00	000E00	000E00	150E02	130E02
10.0								
20.0								
30.0	135.0							
50.0				300E00				
75.0								
100.0								
115.0	135.8			100E00	000E00	000E00	170E02	110E02

C-REF-NO 011
CONS. NO 076
COUNTRY 18
INSTITUTE 22

LAT 43-22-42N
LON 077-32-12W

YEAR 1967
MONTH 08
DAY 25
TIME 1715

NO. DEPTHS 08
SOUNDING 1120
BT SLIDE NO 076

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	5.0	21.50	0.9	313	3.3	8.160	77.5	1.1
10.0		21.31	0.5	313		8.260		
20.0		7.33	0.4	326		8.130		
30.0		4.69	0.5	327		7.940		
50.0		3.95	0.6	321		7.950	72.0	
75.0		3.84	0.3	331		7.940		
100.0		3.72	0.8	324		7.940		
111.0		3.72		319	4.4	7.910	62.0	1.7

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.70		0.028			0.375	28.6	
10.0	8.70		0.029				30.6	
20.0	10.35		0.028				30.2	
30.0	11.80		0.030				28.1	
50.0	12.30		0.082			0.305	29.3	
75.0	12.40		0.038				28.5	
100.0	12.25		0.040				28.7	
111.0	11.65					0.575		

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	127.4	0.001		000E00	000E00	000E00	170E02	150E02
10.0				500E00				
20.0								
30.0								
50.0	135.0			600E00				
75.0								
100.0								
111.0	137.6				000E00		890E02	240E02

C-REF-NO 011
CONS. NO 077
COUNTRY 18
INSTITUTE 22

LAT 43-24-18N
LON 077-35-36W

YEAR 1967
MONTH 08
DAY 25
TIME 1806

NO. DEPTHS 08
SOUNDING 1420
BT SLIDE NO 077

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	4.0	21.58	1.2	306	3.6	8.210	78.0	1.1
10.0		21.12	0.8	305		8.290		
20.0		6.58	0.9	312		8.000		
30.0		4.65	0.4	328				
50.0		4.05	0.6	330	6.1	7.930	60.0	
75.0		3.99	0.9	313		7.930		
100.0		3.87	0.5	324		7.910		
141.0		3.83	3.4	326	11.0	7.870	83.5	1.8

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	9.10		0.056		0.001	0.375	27.2	
10.0	8.80		0.020		0.001		27.5	
20.0	10.75		0.020		0.240		26.7	
30.0	11.80		0.078		0.250		26.9	
50.0	12.25		0.028		0.220		26.4	
75.0	12.15		0.034				26.7	
100.0	12.05		0.050		0.240		26.5	
141.0	9.95		0.150		0.260	0.290	27.5	

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	127.2	0.000		300E00	000E00	000E00	390E02	510E02
10.0				360E01				
20.0								
30.0								
50.0	134.8			700E00				
75.0								
100.0								
141.0	138.0			400E00	000E00	200E00	210E02	160E03

C-REF-NO 011
CONS. NO 078
COUNTRY 18
INSTITUTE 22

LAT 43-23-06N
LON 077-39-12W

YEAR 1967
MONTH 08
DAY 25
TIME 1852

NO. DEPTHS 07
SOUNDING 0920
BT SLIDE NO 078

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD P
1.0	4.0	21.52	0.4	305	3.7	8.130	76.0	1.1
10.0		21.22	0.6	311		8.240		
20.0		5.89	0.8	321		8.120		
30.0		4.33	0.6	327		8.040		
50.0		3.99	0.6	322	3.8	7.980		
75.0		3.95	3.7	323		7.930		
91.0								1.8

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	TKJ N	CL	R SIO2
1.0	8.80			0.001	0.001	0.340	28.2	
10.0	8.50			0.002	0.002		28.3	
20.0	10.65			0.185	0.185		28.0	
30.0	11.70			0.190	0.190		28.0	
50.0	12.20			0.190	0.190	0.300	27.7	
75.0	10.55			0.210	0.210		27.6	
91.0								

DEPTH	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	130.2	0.004		320E01		000E00	130E02	940E01
10.0				280E01				
20.0								
30.0								
50.0				500E00				
75.0								
91.0								

CRUISE 67 - 013, September 5 - 9

C-REF-NO 013
CONS. NO 001
COUNTRY 18
INSTITUTE 22

LAT 43-19-00N
LON 079-39-00W

YEAR 1967
MONTH 09
DAY 05
TIME 1433

NO. DEPTHS 06
SOUNDING 0588
BT SLIDE NO 001

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	3.0	18.32	0.8	332	0.1		68.0	10.40
10.0		17.23	1.3	303				9.30
20.0		6.08	1.2	313		8.300		9.90
30.0		4.47	0.6	310		8.410		10.48
50.0		4.11	0.9	313		8.500		10.95
56.0		4.02	1.4	312	0.4	8.420	78.0	10.55

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0					0.200			134.5
10.0		0.000	0.001	0.001			0.360	
20.0		0.097	0.003	0.100			0.675	
30.0		0.108	0.002	0.110			0.625	
50.0								
56.0		0.124	0.001	0.125			1.120	133.2

DEPTH	PHEN	CHLORA
1.0	0.002	6.52
10.0		
20.0		
30.0		
50.0		
56.0		

C-REF-NO 013
CONS. NO 002
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 09
DAY 05
TIME 1616

NO. DEPTHS 03
SOUNDING 0171
BT SLIDE NO 002

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	2.5	19.61	2.0	302	1.1	8.520	82.0	9.45
10.0		19.46	2.3	309		8.800		9.05
16.0		16.79	1.7	309		8.360	85.0	7.90

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0					0.285			130.5
10.0		0.000	0.001	0.001			0.260	
16.0		0.028	0.002	0.030	0.350		0.420	130.5

DEPTH	PHEN	CHLORA
1.0		7.58
10.0		
16.0		

C-REF-NO 013
CONS. NO 003
COUNTRY 18
INSTITUTE 22

LAT 43-18-00N
LON 079-28-00W

YEAR 1967
MONTH 09
DAY 05
TIME 1733

NO. DEPTHS 17
SOUNDING 0835
BT SLIDE NO 003

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	3.0	18.26	2.3	299	1.2	8.100	83.0	9.61
4.0		18.37	1.6	294		8.500		9.98
7.0		17.96	1.5	307		8.700	83.0	10.00
10.0		17.71					85.0	9.58
13.0		10.46	1.2	299		8.600	82.0	9.32
16.0		6.70	1.5	310		8.500		9.96
19.0		5.29	1.2	311		8.420	87.0	10.60
22.0		4.81	0.8	314		8.410	85.0	11.10
25.0		4.54	1.0	302		8.400	87.0	11.30
28.0		4.35	1.0	309		8.400	87.0	11.30
31.0		4.16	0.3	311		7.540	75.0	11.75
34.0		4.05	0.6	310		7.870	86.0	11.85
37.0		4.11	0.6	312		8.050	88.0	12.05
40.0		4.06	0.7	310		8.200	82.0	11.70
50.0		4.03	0.8	320	0.7	8.200		11.75
75.0		4.03	1.0	313		8.210	87.0	11.25
82.0		3.90	1.1	315	2.3	8.240	74.0	10.50

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0		0.000	0.001	0.001	0.375		0.070	129.6
4.0		0.000	0.001	0.001	0.390		0.035	130.9
7.0		0.000	0.001	0.001	0.385		0.070	129.5
10.0		0.000	0.002	0.002	0.465		0.065	129.0
13.0		0.022	0.003	0.025	0.360		0.065	132.1
16.0		0.062	0.003	0.065	0.400		0.100	133.5
19.0		0.083	0.002	0.085	0.450		0.240	133.9
22.0		0.092	0.003	0.095	0.415		0.325	134.2
25.0		0.097	0.003	0.100	0.325		0.320	134.3
28.0		0.097	0.003	0.100	0.400		0.335	134.0
31.0		0.123	0.002	0.125	0.425		0.390	132.3
34.0		0.123	0.002	0.125	0.360		0.450	132.5
37.0		0.119	0.001	0.120			0.460	133.0
40.0		0.119	0.001	0.120	0.380		0.525	133.4
50.0		0.124	0.001	0.125			0.565	136.1
75.0		0.134	0.001	0.135	0.375		0.700	133.9
82.0		0.143	0.002	0.145	0.380		1.200	

DEPTH	PHEN	CHLORA
1.0	0.003	4.07
4.0		
7.0		
10.0		
13.0		
16.0		
19.0		
22.0		
25.0		
28.0		
31.0		
34.0		
37.0		
40.0		
50.0		
75.0		
82.0		

DEPTH	CDNF	CR NF	CO NF	CU NF	FE NF	PB NF	LI NF	MN NF
1.0	0.000	0.000	0.000	0.010	0.041	0.004	0.003	0.015
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								
22.0								
25.0								
28.0								
31.0								
34.0								
37.0								
40.0								
50.0	0.000	0.000	0.000	0.017	0.026	0.005	0.002	0.010
75.0								
82.0	0.000	0.000	0.000	0.018	0.014	0.003	0.002	0.010

DEPTH	NI NF	SR NFA	ZN NF
1.0	0.002	0.175	0.010
4.0			
7.0			
10.0			
13.0			
16.0			
19.0			
22.0			
25.0			
28.0			
31.0			
34.0			
37.0			
40.0			
50.0	0.002	0.170	0.010
75.0			
82.0	0.001	0.170	0.012

C-REF-NO 013
CONS. NO 004
COUNTRY 18
INSTITUTE 22

LAT 43-23-00N
LON 079-32-00W

YEAR 1967
MONTH 09
DAY 05
TIME 1929

NO. DEPTHS 07
SOUNDING 0908
BT SLIDE NO 004

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	3.5	19.19	1.5	319	1.6	8.300	70.0	10.10
10.0		17.72	1.6	307		8.700		9.90
20.0		5.83	1.2	318		8.600		10.55
30.0		4.13	0.8	315		8.500		11.95
50.0		4.01	0.5	307	1.9	8.510	60.0	12.20
75.0		3.97	0.6	314		8.500		11.60
90.0		3.90		312	1.6	8.420	67.0	10.50

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0		0.000	0.002	0.002	0.390		0.070	127.0
10.0		0.000	0.002	0.002			0.135	
20.0		0.077	0.003	0.080			0.260	
30.0		0.104	0.001	0.105			0.390	
50.0		0.109	0.001	0.110	0.415		0.410	129.5
75.0		0.114	0.001	0.115			0.550	
90.0		0.140	0.005	0.145	0.450		1.200	129.6

DEPTH	PHEN	CHLORA
1.0	0.003	4.18
10.0		
20.0		
30.0		
50.0		
75.0		
90.0		

C-REF-NO 013
CONS. NO 005
COUNTRY 18
INSTITUTE 22

LAT 43-28-00N
LON 079-36-00W

YEAR 1967
MONTH 09
DAY 05
TIME 2051

NO. DEPTHS 04
SOUNDING 0299
BT SLIDE NO 005

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	3.0	18.71			1.4		75.0	10.25
10.0		11.51	1.2	313		7.930		8.10
20.0		6.65	0.3	325		8.150		8.60
28.0		6.17	0.4	319	0.7	8.130	86.0	9.00

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0		0.000	0.002	0.002	0.370	27.1	0.520	130.2
10.0		0.046	0.004	0.050		26.7	0.375	
20.0		0.096	0.004	0.100		26.5	0.425	
28.0		0.097	0.003	0.100	0.330	26.4	0.550	138.0

DEPTH	PHEN	CHLORA
1.0		7.81
10.0		
20.0		
28.0		

C-REF-NO 013
CONS. NO 006
COUNTRY 18
INSTITUTE 22

LAT 43-37-00N
LON 079-20-00W

YEAR 1967
MONTH 09
DAY 05
TIME 2247

NO. DEPTHS 02
SOUNDING 0130
BT SLIDE NO 006

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	3.0	16.02	1.4	306	2.4	8.890	72.0	10.50
10.0		13.04	1.3	299	1.3	8.510		9.30

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0		0.021	0.004	0.025	0.370	27.3	0.180	133.1
10.0		0.046	0.004	0.050	0.310	27.0	0.230	135.4

DEPTH	PHEN	CHLORA
1.0		8.87
10.0		

C-REF-NO 013
CONS. NO 007
COUNTRY 18
INSTITUTE 22

LAT 43-33-00N
LON 079-17-00W

YEAR 1967
MONTH 09
DAY 05
TIME 2341

NO. DEPTHS 08
SOUNDING 1051
BT SLIDE NO 007

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	3.0	18.68	0.9	301	0.4		75.0	10.60
10.0		15.59	1.0	297		8.290		10.40
20.0		4.22	0.8	301		8.200		11.80
30.0		4.04	0.5	306		8.280		11.80
50.0		4.01	0.3	305	0.6	8.210	72.0	12.00
75.0		3.91	0.3	303		8.220		12.10
100.0		3.74	1.0	308		8.230		11.60
103.0		3.76	0.3	313	1.3	8.220	85.0	11.60

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0		0.000	0.001	0.001	0.300	27.7		130.7
10.0		0.018	0.002	0.020		27.7	0.100	
20.0				0.100		27.0		
30.0				0.110		27.1	0.375	
50.0				0.125	0.225	27.1	0.360	135.0
75.0				0.110		27.1	0.390	
100.0				0.140		27.1	1.375	
103.0				0.135	0.250	27.0	1.425	138.0

DEPTH	PHEN	CHLORA
1.0	0.001	5.59
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
103.0		

C-REF-NO 013
CONS. NO 008
COUNTRY 18
INSTITUTE 22

LAT 43-29-00N
LON 079-15-00W

YEAR 1967
MONTH 09
DAY 06
TIME 0103

NO. DEPTHS 08
SOUNDING 1304
BT SLIDE NO 008

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		18.46	1.1	297	0.2	8.820	80.0	10.80
10.0		17.03	1.3	302		8.780		10.80
20.0		5.05	0.8	307		8.370		12.10
30.0		4.03	0.5	308		8.370		12.50
50.0		3.98	0.4	298	0.8	8.370		12.50
75.0		3.91	0.3	302		8.390		12.50
100.0		3.80	1.1	302		8.380		12.50
129.0		3.74	0.8	311	0.3	8.250	83.0	11.80

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0					0.390	26.5	0.100	130.8
10.0						26.7	0.175	
20.0	0.010					26.0	0.350	
30.0	0.040					26.1	0.525	
50.0	0.043				0.240	26.0	0.425	135.5
75.0	0.049					26.0	0.375	
100.0	0.053					26.3	0.475	
129.0	0.079				0.250	26.1	1.400	138.0

DEPTH	PHEN	CHLORA
1.0	0.001	5.47
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
129.0		

C-REF-NO 013
CONS. NO 009
COUNTRY 18
INSTITUTE 22

LAT 43-25-00N
LON 079-12-00W

YEAR 1967
MONTH 09
DAY 06
TIME 0210

NO. DEPTHS 08
SOUNDING 1195
BT SLIDE NO 009

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		18.71	1.2	293	0.5	8.870		10.60
10.0		17.26	1.7	303		8.700		10.30
20.0		4.67	0.8	306		8.380		12.00
30.0		4.16	0.4	308		8.360		12.00
50.0		4.02	0.4	309	2.0	8.380		12.30
75.0		3.91	0.7	314		8.390		12.60
100.0		3.78	0.7	313		8.370		12.60
118.0		3.76	1.4	323	2.1	8.220		12.00

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000		0.001		0.350	27.2	0.400	
10.0	0.007		0.001			27.3	0.360	
20.0	0.017		0.001			26.7	0.550	
30.0	0.027		0.001			26.8	0.630	
50.0	0.040		0.001		0.265	26.9	0.670	
75.0	0.040		0.001			26.7	0.550	
100.0	0.055		0.001			26.9	0.560	
118.0	0.090		0.001		0.300	27.0	1.700	

DEPTH	PHEN	CHLORA
1.0	0.002	6.52
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
118.0		

C-REF-NO 013
CONS. NO 010
COUNTRY 18
INSTITUTE 22

LAT 43-21-00N
LON 079-09-00W

YEAR 1967
MONTH 09
DAY 06
TIME 0330

NO. DEPTHS 07
SOUNDING 0951
BT SLIDE NO 010

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		18.86	0.3	299	2.1	8.820		10.60
10.0		17.98	1.0	301		8.720		10.40
19.0		6.43	0.9	302		8.310		11.70
29.0		4.18	0.8	310		8.330		12.40
48.0		4.03	0.5	300	0.8	8.310		12.60
72.0		3.90	0.4	301		8.370		12.80
90.0		3.82	2.2	315	1.0	8.270		11.60

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000		0.001			27.3	0.830	
10.0	0.000		0.001			27.4	0.630	
19.0	0.030		0.004			26.8	0.420	
29.0	0.030		0.001			26.7	0.550	
48.0	0.048		0.001			26.9	0.670	
72.0	0.065		0.001			27.0	0.800	
90.0	0.098		0.001			27.2	1.700	

DEPTH	PHEN	CHLORA
1.0	0.001	5.94
10.0		
19.0		
29.0		
48.0		
72.0		
90.0		

C-REF-NO 013
CONS. NO 011
COUNTRY 18
INSTITUTE 22

LAT 43-17-00N
LON 079-09-00W

YEAR 1967
MONTH 09
DAY 06
TIME 0415

NO. DEPTHS 03
SOUNDING 0183
BT SLIDE NO 011

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		19.55	0.8	306	1.2	8.700	77.0	9.65
10.0		19.54	0.8	313		8.850		9.20
16.0		18.63	0.9	319	0.8	8.800	84.0	9.85

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000		0.001		0.380	27.5	0.150	129.1
10.0			0.001			27.4	0.880	
16.0	0.021		0.001		0.400	27.2	0.200	130.9

DEPTH	PHEN	CHLORA
1.0	0.004	5.82
10.0		
16.0		

C-REF-NO 013
CONS. NO 012
COUNTRY 18
INSTITUTE 22

LAT 43-19-00N
LON 078-59-00W

YEAR 1967
MONTH 09
DAY 06
TIME 0521

NO. DEPTHS 03
SOUNDING 0177
BT SLIDE NO 012

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		20.37	0.7	305	0.6	8.730		9.70
10.0		20.38	0.8	312		8.820		9.60
15.0		20.33	0.9	305	2.5	8.850		9.30

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.022		0.002		0.370	27.0	0.130	133.3
10.0	0.024		0.002			26.9	0.200	
15.0	0.025		0.002		0.375	27.0	0.160	134.6

DEPTH	PHEN	CHLORA
1.0	0.005	7.58
10.0		
15.0		

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

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

YEAR 1967
MONTH 09
DAY 06
TIME 0628

NO. DEPTHS 04
SOUNDING 0299
BT SLIDE NO 013

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		19.03	0.3	309	2.0	8.790		9.40
10.0		18.87	0.5	306		8.800		9.75
20.0		15.95	0.7	308		8.630		8.20
28.0		5.17	0.7	322	1.5	8.490	80.0	10.35

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.020	0.000	0.001	0.001	0.330	27.0	0.080	128.3
10.0	0.000	0.000	0.001	0.001		27.0	0.370	
20.0	0.042	0.015	0.005	0.020		26.7	0.300	
28.0	0.056	0.102	0.003	0.105	0.255	26.3	0.600	128.0

DEPTH	PHEN	CHLORA
1.0	0.004	6.99
10.0		
20.0		
28.0		

C-REF-NO 013
CONS. NO 014
COUNTRY 18
INSTITUTE 22

LAT 43-25-00N
LON 078-50-00W

YEAR 1967
MONTH 09
DAY 06
TIME 0724

NO. DEPTHS 08
SOUNDING 1121
BT SLIDE NO 014

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		18.67	0.9	299	1.2	8.750	71.0	9.75
10.0		17.45	0.9	316		8.640		9.35
20.0		8.32	1.1	323		8.410		9.80
30.0		5.08	0.7	319		8.400		12.20
50.0		4.06	0.8	318	1.6	8.430	72.0	12.25
75.0		3.94	0.5	321		8.400		10.35
100.0		3.84	0.7	326		8.240		11.42
110.0		3.81	8.3	315	0.9	8.300		10.55

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000	0.001	0.001	0.002	0.325	26.6	0.100	130.6
10.0	0.029	0.007	0.003	0.010		26.7	0.430	
20.0	0.041	0.068	0.007	0.075		26.5	0.490	
30.0	0.041	0.084	0.001	0.085		26.4	0.450	
50.0	0.055	0.084	0.001	0.085	0.265	26.3	0.480	134.3
75.0	0.063	0.084	0.001	0.085		26.4	0.400	
100.0	0.084	0.099	0.001	0.100		26.6	1.050	
110.0	0.093	0.109	0.001	0.110	0.295	26.8	1.400	138.0

DEPTH	PHEN	CHLORA
1.0	0.005	6.99
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
110.0		

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

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

YEAR 1967
MONTH 09
DAY 06
TIME 0835

NO. DEPTHS 08
SOUNDING 1390
BT SLIDE NO 015

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		18.22	1.5	304	1.0	8.700	79.0	9.80
10.0		12.88	1.0	316		8.610		9.85
20.0		4.09	0.8	320		8.500		11.15
30.0		4.06	0.8	315		8.470		10.15
50.0		3.99	0.6	316	2.1	8.500	81.0	12.35
75.0		3.93	0.8	321		8.490		10.20
100.0		3.82	0.6	313		8.510		12.30
137.0		3.71	1.0	319	1.7	8.500	87.0	12.15

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.015	0.004	0.001	0.005	0.335	26.9	0.080	133.9
10.0	0.015	0.038	0.002	0.040		27.0	0.150	
20.0	0.059	0.074	0.001	0.075		26.9	0.380	
30.0	0.030	0.084	0.001	0.085		26.9	0.330	
50.0	0.062	0.094	0.001	0.095	0.240	27.0	0.360	134.6
75.0	0.075	0.079	0.001	0.080		27.1	0.470	
100.0	0.061	0.079	0.001	0.080		27.2	0.500	
137.0	0.026	0.094	0.001	0.095	0.300	27.1	0.330	133.7

DEPTH	PHEN	CHLORA
1.0	0.004	5.70
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
137.0		

C-REF-NO 013
CONS. NO 016
COUNTRY 18
INSTITUTE 22

LAT 43-35-00N
LON 078-55-00W

YEAR 1967
MONTH 09
DAY 06
TIME 0946

NO. DEPTHS 08
SOUNDING 1341
BT SLIDE NO 016

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		17.82	1.5	313	1.0	8.610		9.90
10.0		12.63	1.0	313		8.590		10.25
20.0		4.71	1.2	318		8.500		12.40
30.0		4.13	0.8	315		8.420		12.60
50.0		4.01	0.9	318	1.4	8.400	89.0	12.35
75.0		3.94	0.9	322		8.400		12.80
100.0		3.81	0.9	320		8.390		12.60
132.0		3.75	3.1	324	1.9	8.340	89.0	12.05

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.015	0.009	0.001	0.010	0.300	27.5	0.070	129.9
10.0	0.010	0.074	0.001	0.075		27.4	0.150	
20.0	0.034	0.074	0.001	0.075		27.2	0.330	
30.0	0.038	0.094	0.001	0.095		27.0	0.330	
50.0	0.053	0.089	0.001	0.090	0.250	27.0	0.370	131.8
75.0	0.060	0.084	0.001	0.085		27.0	0.370	
100.0	0.070	0.079	0.001	0.080		27.1	0.600	
132.0	0.079	0.089	0.001	0.090		27.2	0.920	133.3

DEPTH	PHEN	CHLORA
1.0	0.003	5.70
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
132.0		

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

LAT 43-39-00N
LON 078-57-00W

YEAR 1967
MONTH 09
DAY 06
TIME 1103

NO. DEPTHS 08
SOUNDING 1158
BT SLIDE NO 017

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	3.0	17.17	0.2	294	1.0	8.600		10.00
10.0		11.20	1.0	315		8.600		10.20
20.0		4.56	0.8	317		8.520		11.80
30.0		4.12	0.8	326		8.490		11.70
49.0		3.99	0.9	335	0.5	8.430		12.30
74.0		3.93	1.0	326		8.420		12.30
98.0		3.77	0.9	326		8.400		11.85
112.0		3.76	0.9	322	0.7	8.400		11.20

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0		0.009	0.001	0.010	0.315	27.3	0.080	
10.0		0.048	0.002	0.050		27.1	0.150	
20.0		0.079	0.001	0.080		26.9	0.300	
30.0		0.079	0.001	0.080		26.9	0.320	
49.0		0.084	0.001	0.085	0.225	26.9	0.350	
74.0		0.079	0.001	0.080		26.8	0.350	
98.0		0.089	0.001	0.090		27.0	0.620	
112.0		0.109	0.001	0.110	0.275	27.0	1.100	

DEPTH	PHEN	CHLORA
1.0	0.003	5.12
10.0		
20.0		
30.0		
49.0		
74.0		
98.0		
112.0		

C-REF-NO 013
CONS. NO 018
COUNTRY 18
INSTITUTE 22

LAT 43-44-00N
LON 078-59-00W

YEAR 1967
MONTH 09
DAY 06
TIME 1226

NO. DEPTHS 07
SOUNDING 0793
BT SLIDE NO 018

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	3.0	16.33	1.1	302	1.5	8.890		10.80
10.0		9.47	1.1	301		8.360		10.50
19.0		5.42	1.0	307		8.210		11.00
29.0		4.68	0.9	308		8.220		11.55
48.0		4.17	0.8	309	0.8	8.270		12.00
72.0		3.95	1.0	311		8.290		12.20
74.0		3.91	0.7	307	10.0	8.270		12.40

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000	0.000	0.001	0.001	0.350	26.7	0.260	
10.0	0.000	0.062	0.003	0.065		26.6	0.290	
19.0	0.024	0.072	0.003	0.075		26.1	0.260	
29.0	0.030	0.083	0.002	0.085		25.9	0.340	
48.0	0.042	0.089	0.001	0.090	0.295	25.8	0.480	
72.0	0.065	0.094	0.001	0.095		26.0	0.700	
74.0	0.065	0.089	0.001	0.090	0.265	26.1	0.650	

DEPTH	PHEN	CHLORA
1.0	0.004	7.35
10.0		
19.0		
29.0		
48.0		
72.0		
74.0		

C-REF-NO 013
CONS. NO 019
COUNTRY 18
INSTITUTE 22

LAT 43-48-00N
LON 079-02-00W

YEAR 1967
MONTH 09
DAY 06
TIME 1335

NO. DEPTHS 03
SOUNDING 0140
BT SLIDE NO 019

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	5.0	11.67	1.0	314	1.5	8.380		10.10
10.0		6.21	0.7	306		8.250		10.50
14.0		5.21	0.8	302	1.6	8.240	77.0	10.80

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.023	0.062	0.003	0.065	0.295	26.7	0.280	132.5
10.0	0.040	0.083	0.002	0.085		26.5	0.440	
14.0	0.050	0.084	0.001	0.085	0.275	26.3	0.510	135.3

DEPTH	PHEN	CHLORA
1.0		7.11
10.0		
14.0		

C-REF-NO 013
CONS. NO 020
COUNTRY 18
INSTITUTE 22

LAT 43-51-00N
LON 078-41-00W

YEAR 1967
MONTH 09
DAY 06
TIME 1529

NO. DEPTHS 04
SOUNDING 0311
BT SLIDE NO 020

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	4.0	12.79	0.9	305	1.3	8.570	86.0	10.20
10.0		7.46	0.8	305		8.320		10.30
20.0		4.84	0.9	311		8.270		11.00
29.0		4.72	0.8	304	1.1	8.270		10.50

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0		0.048	0.002	0.050	0.375	26.7	0.140	133.2
10.0	0.028	0.124	0.001	0.125		26.5	0.330	
20.0	0.050	0.139	0.001	0.140		26.3	0.420	
29.0	0.051	0.149	0.001	0.150	0.380	26.4	0.380	137.6

DEPTH	PHEN	CHLORA
1.0	0.003	6.29
10.0		
20.0		
29.0		

C-REF-NO 013
CONS. NO 021
COUNTRY 18
INSTITUTE 22

LAT 43-53-00N
LON 078-32-00W

YEAR 1967
MONTH 09
DAY 06
TIME 1631

NO. DEPTHS 03
SOUNDING 0180
BT SLIDE NO 021

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	4.0	11.56	0.8	305	1.1		89.0	10.00
10.0		8.99	0.8	311				9.70
17.0		6.07	0.8	315	0.9			9.80

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.010			0.090	0.325	26.9	0.210	133.8
10.0	0.021			0.110		26.8	0.390	
17.0	0.036			0.135	0.290	26.6	0.360	137.0

DEPTH	PHEN	CHLORA
1.0		5.47
10.0		
17.0		

C-REF-NO 013
CONS. NO 022
COUNTRY 18
INSTITUTE 22

LAT 43-47-00N
LON 078-30-00W

YEAR 1967
MONTH 09
DAY 06
TIME 1730

NO. DEPTHS 06
SOUNDING 0774
BT SLIDE NO 022

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	3.5	16.97	0.8	298	1.2	8.720	77.0	10.60
10.0		10.12	0.8	308		8.470		10.80
20.0		4.28	0.6	308		8.300		11.60
30.0		4.13	0.8	305		8.270		11.80
50.0		3.94	0.7	302	0.8	8.250	92.0	11.80
75.0		3.89	2.0	314	0.8	8.240	77.0	11.60

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.014	0.009	0.001	0.010	0.360	27.0	0.060	132.2
10.0	0.015	0.049	0.001	0.050		26.9	0.120	
20.0	0.017	0.124	0.001	0.125		26.4	0.160	
30.0	0.022	0.134	0.001	0.135		26.2	0.160	
50.0	0.054	0.129	0.001	0.130	0.235	26.3	0.370	136.6
75.0	0.067	0.199	0.001	0.200	0.540	26.6	0.500	137.5

DEPTH	PHEN	CHLORA
1.0	0.003	5.00
10.0		
20.0		
30.0		
50.0		
75.0		

C-REF-NO 013
CONS. NO 023
COUNTRY 18
INSTITUTE 22

LAT 43-43-00N
LON 078-29-00W

YEAR 1967
MONTH 09
DAY 06
TIME 1828

NO. DEPTHS 08
SOUNDING 1085
BT SLIDE NO 023

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	4.0	17.10	0.8	292	1.2	8.770		10.40
10.0		8.01	0.9	308		8.560		10.65
20.0		4.11	0.7	307		8.560		12.05
30.0		4.12	0.6	314		8.330		12.05
49.0		3.98	0.8	308	0.6	8.310	90.0	12.00
74.0		3.88	0.9	314		8.320		12.50
98.0		3.73	0.7	313		8.210		10.80
104.0		3.74		319	1.1	8.150		10.45

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0		0.008	0.002	0.010	0.550		0.090	130.8
10.0		0.073	0.002	0.075			0.210	
20.0	0.022	0.129	0.001	0.130			0.210	
30.0	0.023	0.129	0.001	0.130			0.240	
49.0	0.047	0.179	0.001	0.180	0.430		0.190	134.8
74.0	0.057	0.129	0.001	0.130			0.310	
98.0	0.085	0.144	0.001	0.145			1.150	
104.0	0.100	0.147	0.003	0.150	0.500		1.400	142.0

DEPTH	PHEN	CHLORA
1.0	0.004	6.52
10.0		
20.0		
30.0		
49.0		
74.0		
98.0		
104.0		

C-REF-NO 013
CONS. NO 024
COUNTRY 18
INSTITUTE 22

LAT 43-38-00N
LON 078-28-00W

YEAR 1967
MONTH 09
DAY 06
TIME 1934

NO. DEPTHS 18
SOUNDING 1408
BT SLIDE NO 024

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	3.5	18.18	0.8	283	1.0	8.800	87.0	10.10
4.0		18.15	0.6	285		8.800		10.15
7.0		18.02	0.7	290		8.820		10.00
10.0		17.52	0.7	303		8.790		9.80
13.0		15.48	1.1	292		8.700	73.0	9.80
16.0		8.01	0.7	298		8.420	85.0	10.55
19.0		5.87	1.1	310		8.400	87.0	11.55
22.0		4.57	0.9	310		8.370	88.0	12.00
25.0		4.19	0.8	314		8.350	90.0	11.95
28.0		4.08	3.5	315		8.360	78.0	12.05
31.0		4.11	0.7	310		8.420		8.90
34.0		4.04	0.9	316		8.400		9.45
37.0		4.06	0.8	310		8.350	89.0	9.65
40.0		4.05	0.9	317		8.340	90.0	8.95
50.0		4.00	1.0	306	0.7	8.380	89.0	9.30
75.0		3.92	0.9	315		8.390	90.0	8.30
100.0		3.83	0.8	315		8.400	89.0	10.50
140.0		3.74	0.9	319	0.6	8.310	87.0	8.75

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0		0.004	0.001	0.005	0.340	27.0		129.7
4.0		0.004	0.001	0.005	0.435	27.0		129.0
7.0	0.013	0.005	0.001	0.006	0.300	27.0		129.4
10.0	0.000	0.004	0.001	0.005	0.405	27.1		129.7
13.0	0.000	0.024	0.001	0.025	0.305	26.7		
16.0	0.012	0.104	0.001	0.105	0.270	26.6		128.5
19.0	0.014	0.124	0.001	0.125	0.500	26.5		129.5
22.0	0.020	0.134	0.001	0.135	0.210	26.4	0.470	130.4
25.0	0.025	0.134	0.001	0.135	0.220	26.4	0.320	132.5
28.0	0.029	0.139	0.001	0.140	0.320	26.7	0.275	
31.0	0.028	0.134	0.001	0.135	0.215	26.5	0.400	131.3
34.0	0.036	0.159	0.001	0.160	0.215	26.5	0.280	134.8
37.0	0.036	0.129	0.001	0.130	0.210		0.350	132.1
40.0	0.034	0.139	0.001	0.140	0.225		0.605	133.2
50.0	0.038	0.144	0.001	0.145	0.240	25.5	0.420	135.0
75.0	0.042	0.134	0.001	0.135	0.225	25.4	0.395	134.1
100.0	0.046	0.134	0.001	0.135	0.365	25.8	0.550	133.0
140.0	0.058	0.144	0.001	0.145	0.280	25.7	1.250	130.3

DEPTH	PHEN	CHLORA
1.0	0.003	4.30
4.0		
7.0		
10.0		
13.0		
16.0		
19.0		
22.0		
25.0		
28.0		
31.0		
34.0		
37.0		
40.0		
50.0		
75.0		
100.0		
140.0		

DEPTH	CDNF	CR NF	CO NF	CU NF	FE NF	PB NF	LI NF	MN NF
1.0	0.000	0.000	0.000	0.015	0.014	0.004	0.003	0.010
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								
22.0								
25.0								
28.0								
31.0								
34.0								
37.0								
40.0								
50.0	0.000	0.000	0.000	0.009	0.010	0.004	0.003	0.008
75.0								
100.0								
140.0	0.000	0.000	0.000	0.016	0.012	0.006	0.002	0.010

DEPTH	NI NF	SR NFA	ZN NF
1.0	0.002	0.180	0.006
4.0			
7.0			
10.0			
13.0			
16.0			
19.0			
22.0			
25.0			
28.0			
31.0			
34.0			
37.0			
40.0			
50.0	0.001	0.170	0.003
75.0			
100.0			
140.0	0.002	0.175	0.015

C-REF-NO 013
CONS. NO 025
COUNTRY 18
INSTITUTE 22

LAT 43-33-00N
LON 078-28-00W

YEAR 1967
MONTH 09
DAY 06
TIME 2137

NO. DEPTHS 09
SOUNDING 1731
BT SLIDE NO 025

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	3.5	18.26	1.0	289	1.3	8.700	79.0	9.90
10.0		17.74	0.9	299		8.720		9.80
20.0		4.29	1.0	310		8.500		12.15
30.0		4.02	0.8	310		8.420		12.25
50.0		3.93	0.8	312	0.6	8.400	72.0	12.30
73.0		3.88	0.9	306		8.400		12.05
99.0		3.80	1.0	314		8.390		12.85
149.0		3.73	0.8	320		8.350		11.40
169.0		3.72	0.9	315	0.7	8.310	90.0	11.15

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000	0.000	0.001	0.001	0.330	25.9	0.035	131.0
10.0	0.010	0.000	0.001	0.001		25.9	0.210	
20.0	0.021	0.134	0.001	0.135		25.5	0.550	
30.0	0.039	0.139	0.001	0.140		25.5	0.500	
50.0	0.044	0.129	0.001	0.130	0.240	25.4	0.440	136.3
73.0	0.044	0.134	0.001	0.135		25.2	0.485	
99.0	0.045	0.134	0.001	0.135		25.2	0.420	
149.0								
169.0	0.068	0.154	0.001	0.155	0.250	25.5	1.320	137.9

DEPTH	PHEN	CHLORA
1.0	0.002	4.77
10.0		
20.0		
30.0		
50.0		
73.0		
99.0		
149.0		
169.0		

C-REF-NO 013
CONS. NO 026
COUNTRY 18
INSTITUTE 22

LAT 43-28-00N
LON 078-27-00W

YEAR 1967
MONTH 09
DAY 06
TIME 2253

NO. DEPTHS 08
SOUNDING 1463
BT SLIDE NO 026

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	3.5	18.91	0.9	370	1.1	7.620		9.70
10.0		18.27	1.5	370		7.630		9.58
20.0		10.07	0.9	356		7.590		9.88
30.0		4.32	1.0	310		7.590		11.90
50.0		4.03	0.5	348	0.6	7.600		12.45
75.0		3.92	0.9	347		7.600		12.52
100.0		3.84	0.9	347		7.600		12.70
144.0		3.74	0.8	352	0.8	7.590		11.97

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000	0.000	0.001	0.001	0.285	26.8	0.135	129.4
10.0	0.000	0.000	0.001	0.001		26.8	1.400	
20.0	0.015	0.094	0.006	0.100		26.6	0.330	
30.0	0.034	0.144	0.001	0.145		26.5	0.900	
50.0	0.043	0.154	0.001	0.155	0.190	26.4	0.380	134.5
75.0	0.044	0.144	0.001	0.145		26.6	0.845	
100.0	0.045	0.144	0.001	0.145		26.5	0.590	
144.0	0.060	0.149	0.001	0.150		26.6	0.890	

DEPTH	PHEN	CHLORA
1.0	0.002	4.89
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
144.0		

C-REF-NO 013
CONS. NO 027
COUNTRY 18
INSTITUTE 22

LAT 43-24-00N
LON 078-26-00W

YEAR 1967
MONTH 09
DAY 06
TIME 2348

NO. DEPTHS 05
SOUNDING 0396
BT SLIDE NO 026

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	3.5	19.21	1.0	313	1.9	7.630	87.0	10.00
10.0		18.96	1.0	319		7.630		9.81
20.0		18.46	1.3	315		7.620		9.28
30.0		7.36	1.0	318		7.600		10.49
36.0		4.73	1.0	311	0.9	7.590	90.0	10.79

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.012	0.000	0.001	0.001	0.500	26.5	0.435	131.3
10.0	0.010	0.000	0.002	0.002		26.5	1.000	
20.0	0.015	0.008	0.002	0.010		26.6	1.140	
30.0	0.030	0.138	0.007	0.145		26.3	0.610	
36.0	0.047	0.203	0.002	0.205	0.300	26.1	0.575	137.8

DEPTH	PHEN	CHLORA
1.0	0.002	7.11
10.0		
20.0		
30.0		
36.0		

C-REF-NO 013
CONS. NO 028
COUNTRY 18
INSTITUTE 22

LAT 43-23-00N
LON 078-00-00W

YEAR 1967
MONTH 09
DAY 07
TIME 0201

NO. DEPTHS 03
SOUNDING 0201
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		18.73	1.5	315	1.2	7.620		9.83
10.0		18.74	1.5	315		7.620		9.78
18.0		18.79	1.3	309	1.2	7.590	88.0	9.70

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000	0.000	0.001	0.001	0.440	26.4	0.530	131.0
10.0	0.000	0.000	0.001	0.001		26.5	0.550	
18.0	0.015	0.000	0.001	0.001	0.315	26.6	0.390	131.5

DEPTH	PHEN	CHLORA
1.0	0.002	6.06
10.0		
18.0		

C-REF-NO 013
CONS. NO 029
COUNTRY 18
INSTITUTE 22

LAT 43-28-00N
LON 078-00-00W

YEAR 1967
MONTH 09
DAY 07
TIME 0305

NO. DEPTHS 08
SOUNDING 1353
BT SLIDE NO 029

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		18.75	0.7	329	0.9	7.600	86.0	9.40
10.0		18.71	0.9	342		7.600		9.52
20.0		14.86	0.8	314		7.600		8.55
30.0		5.28	0.8	287		7.600		11.25
50.0		4.00	0.6	305	0.4	7.590	90.0	12.10
75.0		3.94	0.6	317		7.590		12.25
100.0		3.94	1.1	281		7.620		11.80
133.0		3.88	0.6	305	0.7	7.590	87.0	10.30

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000	0.000	0.001	0.001	0.475	26.5	0.190	129.4
10.0	0.000	0.000	0.001	0.001		26.6	0.330	
20.0	0.020	0.034	0.006	0.040		26.7	0.220	
30.0	0.028	0.144	0.001	0.145		26.4	0.460	
50.0	0.040	0.144	0.001	0.145	0.275	26.2	0.310	134.2
75.0	0.043	0.134	0.001	0.135		26.2	0.470	
100.0	0.053	0.139	0.001	0.140		26.2	0.530	
133.0	0.080	0.164	0.001	0.165	0.220	26.2	1.095	137.3

DEPTH	PHEN	CHLORA
1.0	0.001	5.00
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
133.0		

C-REF-NO 013
CONS. NO 030
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 09
DAY 07
TIME 0421

NO. DEPTHS 09
SOUNDING 1752
BT SLIDE NO 030

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		18.50	0.7	296	0.7	8.600		9.60
10.0		18.47	0.5	293		8.500		9.60
20.0		6.81	0.8	309		8.320		10.70
30.0		4.08	0.5	306		8.350		12.15
50.0		3.99	0.5	305	0.4	8.370	87.0	12.40
75.0		3.92	0.4	303		8.350		12.30
100.0		3.84	0.4	304		8.320		12.50
150.0		3.78	0.6	312		8.680		12.60
173.0		3.72	6.6	311	0.9	8.270		10.30

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000	0.000	0.001	0.001	0.285	26.5	0.030	129.3
10.0	0.000	0.000	0.001	0.001		26.3	0.110	
20.0	0.016	0.097	0.003	0.100		26.1	0.260	
30.0	0.035	0.130	0.000	0.130		26.1	0.470	
50.0	0.043	0.145	0.000	0.145	0.210	26.0	0.370	135.0
75.0	0.046	0.125	0.000	0.125		26.2	0.490	
100.0	0.047	0.120	0.000	0.120		26.1	0.490	
150.0	0.044	0.120	0.000	0.120		26.6	0.360	
173.0	0.095	0.148	0.002	0.150	0.315	27.0	1.400	138.0

DEPTH	PHEN	CHLORA
1.0	0.001	5.24
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
150.0		
173.0		

C-REF-NO 013
CONS. NO 031
COUNTRY 18
INSTITUTE 22

LAT 43-40-00N
LON 078-00-00W

YEAR 1967
MONTH 09
DAY 07
TIME 0536

NO. DEPTHS 09
SOUNDING 1585
BT SLIDE NO 031

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		18.71	0.7	297	1.1	8.730	84.0	9.60
10.0		18.57	0.7	305		8.780		9.50
20.0		6.03	0.6	308		8.400		11.20
30.0		4.40	0.6	307		8.330		11.90
50.0		3.98	0.7	305	0.5	8.320		12.15
75.0		3.90	0.9	311		8.330		12.50
100.0		3.82	0.3	304		8.320		12.50
150.0		3.73	0.7	297		8.270		11.40
156.0		3.76	0.9	292	0.4	8.260		11.40

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.025	0.000	0.000	0.000	0.500	26.8	0.020	128.6
10.0	0.000	0.000	0.000	0.000		26.7	0.510	
20.0	0.000	0.120	0.000	0.120		26.7	0.260	
30.0	0.040	0.135	0.000	0.135		25.7	0.460	
50.0	0.052	0.135	0.000	0.135	0.240	25.5	0.350	136.0
75.0	0.055	0.125	0.000	0.125		25.7	0.540	
100.0	0.057	0.125	0.000	0.125		26.7	0.560	
150.0	0.070	0.130	0.000	0.130		26.8	0.960	
156.0	0.077	0.130	0.000	0.130	0.260	27.0	0.950	137.7

DEPTH	PHEN	CHLORA
1.0	0.002	5.00
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
150.0		
156.0		

C-REF-NO 013
CONS. NO 032
COUNTRY 18
INSTITUTE 22

LAT 43-46-00N
LON 078-00-00W

YEAR 1967
MONTH 09
DAY 07
TIME 0648

NO. DEPTHS 08
SOUNDING 1060
BT SLIDE NO 032

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		17.91	0.7	300	0.9	8.770		9.70
10.0		17.78	0.7	301		8.790		9.65
20.0		4.39	0.6	303		8.420		12.00
30.0		4.01	0.7	308		8.360		12.15
50.0		3.97	0.6	307	0.6	8.300	73.0	12.25
75.0		3.86	0.5	309		8.310		12.30
100.0		3.75	0.6	310		8.250		11.40
105.0		3.75	0.8	314	0.8	8.220	89.0	11.00

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000	0.000	0.000	0.000	0.255	26.9	0.140	129.3
10.0	0.000	0.000	0.000	0.000		26.8	0.160	
20.0	0.000	0.120	0.000	0.120		26.3	0.230	
30.0	0.035	0.125	0.000	0.125		26.3	0.370	
50.0	0.047	0.120	0.000	0.120	0.195	26.4	0.270	135.4
75.0	0.054	0.120	0.000	0.120		26.6	0.280	
100.0	0.070	0.130	0.000	0.130		26.8	0.850	
105.0	0.084	0.165	0.000	0.165	0.320	26.6	0.910	138.4

DEPTH	PHEN	CHLORA
1.0	0.002	5.59
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
105.0		

C-REF-NO 013
CONS. NO 033
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 09
DAY 07
TIME 0754

NO. DEPTHS 06
SOUNDING 0634
BT SLIDE NO 033

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		15.52	0.7	300	1.0	8.610		10.00
10.0		7.60	0.8	304		8.280		9.90
20.0		4.87	0.9	300		8.220		10.70
30.0		4.46	0.7	302		8.210		11.00
50.0		4.19	0.7	304	0.3	8.210		10.80
61.0		4.15	1.0	305		8.200	86.0	10.80

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.020	0.019	0.001	0.020	0.340	26.7	0.090	132.5
10.0	0.000	0.084	0.001	0.085		26.6	0.085	
20.0	0.000	0.119	0.001	0.120		26.5	0.100	
30.0	0.046	0.129	0.001	0.130		26.4	0.290	
50.0	0.063	0.139	0.001	0.140	0.240	26.4	0.550	137.0
61.0	0.063	0.134	0.001	0.135	0.290	26.6	0.600	136.2

DEPTH	PHEN	CHLORA
1.0	0.003	5.94
10.0		
20.0		
30.0		
50.0		
61.0		

C-REF-NO 013
CONS. NO 034
COUNTRY 18
INSTITUTE 22

LAT 43-57-00N
LON 078-00-00W

YEAR 1967
MONTH 09
DAY 07
TIME 0906

NO. DEPTHS 03
SOUNDING 0244
BT SLIDE NO 034

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		12.59	0.5	304	0.5	8.380	88.0	10.00
10.0		11.69	0.5	310		8.390		9.90
20.0		9.46	0.6	314	0.6	8.270		9.30

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000	0.073	0.002	0.075	0.260	26.9	0.210	134.0
10.0	0.000	0.078	0.002	0.080		26.9	0.250	
20.0	0.022	0.123	0.002	0.125	0.290	26.9	0.235	

DEPTH	PHEN	CHLORA
1.0		6.41
10.0		
20.0		

C-REF-NO 013
CONS. NO 035
COUNTRY 18
INSTITUTE 22

LAT 43-56-00N
LON 077-39-00W

YEAR 1967
MONTH 09
DAY 07
TIME 1049

NO. DEPTHS 04
SOUNDING 0270
BT SLIDE NO 035

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	3.0	15.65	0.5	298	1.1	8.690	79.0	10.20
10.0		11.16	0.5	305		8.320		8.80
20.0		6.37	0.6	305		8.250		9.70
25.0		6.35	0.6	310	1.2	8.220	88.0	9.70

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000	0.018	0.002	0.020	0.270	27.0	0.220	133.1
10.0	0.036	0.109	0.001	0.110		27.0	0.310	
20.0	0.051	0.149	0.001	0.150		27.0	0.510	
25.0	0.052	0.144	0.001	0.145	0.310	27.0	0.490	136.7

DEPTH	PHEN	CHLORA
1.0	0.003	8.63
10.0		
20.0		
25.0		

C-REF-NO 013
CONS. NO 036
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 09
DAY 07
TIME 1151

NO. DEPTHS 04
SOUNDING 0280
BT SLIDE NO 036

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	3.5	14.60	0.6	339	0.6	7.580	87.0	10.10
10.0		9.95	0.7	329		7.590		8.67
20.0		8.12	0.6	323		7.590		8.97
26.0		6.95	0.9	322	1.4	7.590	87.0	9.00

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000	0.038	0.002	0.040	0.335	27.1	0.390	132.0
10.0	0.022	0.119	0.001	0.120		27.0	0.545	
20.0	0.052	0.124	0.001	0.125		26.7	0.590	
26.0	0.068	0.139	0.001	0.140	0.400	26.7	0.640	136.3

DEPTH	PHEN	CHLORA
1.0	0.003	6.76
10.0		
20.0		
26.0		

C-REF-NO 013
CONS. NO 037
COUNTRY 18
INSTITUTE 22

LAT 43-48-00N
LON 077-30-00W

YEAR 1967
MONTH 09
DAY 07
TIME 1258

NO. DEPTHS 06
SOUNDING 0533
BT SLIDE NO 037

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	4.0	17.37	0.6	314	0.8	7.610		9.79
10.0		16.97	0.7	299		7.610		10.03
20.0		8.04	0.9	290		7.610		8.95
30.0		5.01	0.8	313		7.600		10.19
50.0		4.77	0.8	290	0.5	7.580	88.0	10.32
51.0		4.76	0.9	313	0.6	7.590		10.62

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000	0.000	0.002	0.002	0.500	27.2	0.410	
10.0	0.000	0.002	0.003	0.005		27.4	0.340	
20.0	0.020	0.139	0.001	0.140		27.3	0.400	
30.0	0.072	0.159	0.001	0.160		27.0	0.630	
50.0	0.079	0.153	0.002	0.155	0.230	27.2	0.650	136.0
51.0	0.079	0.148	0.002	0.150	0.310	26.9	0.640	137.0

DEPTH	PHEN	CHLORA
1.0	0.004	8.28
10.0		
20.0		
30.0		
50.0		
51.0		

C-REF-NO 013
CONS. NO 038
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 09
DAY 07
TIME 1350

NO. DEPTHS 07
SOUNDING 0823
BT SLIDE NO 038

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	4.0	17.94	0.7	314	0.7	7.620	85.0	9.56
10.0		17.86	0.7	311		7.630		9.60
20.0		5.58	0.5	318		7.600		10.89
30.0		4.31	0.7	322		7.590		11.70
50.0		3.94	0.6	316	0.4	7.610	86.0	12.51
75.0		3.92	0.8	317		7.590		11.67
81.0		3.89	1.0	318	0.4	7.590	75.0	11.35

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000	0.000	0.001	0.001	0.390	27.1	0.130	131.3
10.0	0.000	0.000	0.001	0.001		27.2	0.240	
20.0	0.022	0.129	0.001	0.130		27.0	0.120	
30.0	0.069	0.139	0.001	0.140		27.0	0.290	
50.0	0.078	0.134	0.001	0.135	0.300	27.0	0.320	136.0
75.0	0.090	0.139	0.001	0.140		27.0	0.730	
81.0	0.090	0.144	0.001	0.145	0.380	27.2	0.700	137.5

DEPTH	PHEN	CHLORA
1.0	0.004	6.29
10.0		
20.0		
30.0		
50.0		
75.0		
81.0		

C-REF-NO 013
CONS. NO 039
COUNTRY 18
INSTITUTE 22

LAT 43-38-00N
LON 077-30-00W

YEAR 1967
MONTH 09
DAY 07
TIME 1505

NO. DEPTHS 08
SOUNDING 1290
BT SLIDE NO 039

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	4.0	18.82	0.8	318	0.8	7.620	82.0	9.62
10.0		18.56	0.7	312		7.620		9.43
20.0		8.74	1.0	321		7.590		9.90
30.0		4.87	0.8	320		7.590		11.49
50.0		4.13	1.0	322	0.3	7.590	85.0	12.00
75.0		3.92	0.7	322		7.590		12.32
100.0		3.83	0.4	326				12.41
129.0		3.79	0.6	327	0.7	7.590	86.0	11.68

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000	0.000	0.001	0.001	0.380	27.2	0.080	129.0
10.0	0.000	0.000	0.001	0.001		27.1	0.090	
20.0	0.000	0.067	0.003	0.070		27.0	0.080	
30.0	0.022	0.158	0.002	0.160		27.2	0.230	
50.0	0.076	0.140	0.000	0.140	0.280	27.0	0.270	135.4
75.0	0.079	0.140	0.000	0.140		27.0	0.330	
100.0	0.081	0.135	0.000	0.135		27.3	0.500	
129.0	0.091	0.145	0.000	0.145	0.310	27.1	0.840	129.8

DEPTH	PHEN	CHLORA
1.0	0.004	5.00
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
129.0		

C-REF-NO 013
CONS. NO 040
COUNTRY 18
INSTITUTE 22

LAT 43-33-00N
LON 077-30-00W

YEAR 1967
MONTH 09
DAY 07
TIME 1613

NO. DEPTHS 09
SOUNDING 1719
BT SLIDE NO 040

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	5.5	19.30	0.7	298	0.4	7.620	84.0	9.20
10.0		19.17	0.7	304		7.620		9.10
20.0		9.24	0.4	306		7.600		9.31
30.0		5.61	0.4	307		7.590		11.23
50.0		4.04	0.4	330	0.2	7.590	85.0	12.22
75.0		3.94	0.5	322		7.590		12.30
100.0		3.95	0.4	329		7.600		12.22
150.0		3.72	0.5	325		7.590	90.0	11.71
171.0		3.73	1.0	321	0.7	7.590	90.0	11.20

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000	0.000	0.000	0.000	0.340	27.6	0.060	126.5
10.0	0.020	0.000	0.000	0.000		27.6	0.040	
20.0	0.026	0.118	0.002	0.120		27.1	0.120	
30.0	0.057	0.140	0.000	0.140		27.0	0.260	
50.0	0.076	0.140	0.000	0.140	1.200	26.8	0.330	135.0
75.0	0.081	0.125	0.000	0.125		27.1	0.390	
100.0	0.081	0.135	0.000	0.135		26.9	0.400	
150.0	0.087	0.145	0.000	0.145		26.9	0.730	136.8
171.0	0.102	0.145	0.000	0.145	0.330	27.0	1.140	136.5

DEPTH	PHEN	CHLORA
1.0	0.004	3.95
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
150.0		
171.0		

C-REF-NO 013
CONS. NO 041
COUNTRY 18
INSTITUTE 22

LAT 43-27-00N
LON 077-30-00W

YEAR 1967
MONTH 09
DAY 07
TIME 1727

NO. DEPTHS 09
SOUNDING 1688
BT SLIDE NO 041

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	4.0	19.10	0.7	303	0.8	7.620	85.0	9.70
10.0		18.52	0.4	306		7.620		9.42
20.0		14.91	0.6	320		7.600		8.79
30.0		5.83	0.5	309		7.610		11.34
50.0		4.00	0.6	306	0.1	7.600	89.0	12.20
75.0		3.90	0.5	310		7.600		12.72
100.0		3.83	0.6	326		7.600		12.24
150.0		3.73	0.7	325		7.590		11.61
167.0		3.70	0.7	324	0.8	7.600	90.0	11.32

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000	0.000	0.001	0.001	0.255	26.7	0.190	126.9
10.0	0.000	0.000	0.002	0.002		26.6	0.330	
20.0	0.000	0.062	0.003	0.065		26.7	0.190	
30.0	0.046	0.150	0.000	0.150		26.7	0.400	
50.0	0.079	0.155	0.000	0.155	0.175	26.6	0.700	134.7
75.0	0.083	0.155	0.000	0.155		26.7	0.580	
100.0	0.084	0.155	0.000	0.155		26.7	0.420	
150.0	0.083	0.145	0.000	0.145		26.8	0.480	
167.0	0.118	0.170	0.000	0.170	0.200	27.0	1.220	136.1

DEPTH	PHEN	CHLORA
1.0	0.004	5.47
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
150.0		
167.0		

C-REF-NO 013
CONS. NO 042
COUNTRY 18
INSTITUTE 22

LAT 43-22-00N
LON 077-30-00W

YEAR 1967
MONTH 09
DAY 07
TIME 1830

NO. DEPTHS 08
SOUNDING 1213
BT SLIDE NO 042

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	4.0	19.95	0.5	310	0.5	7.630	85.0	9.44
10.0		19.15	0.9	310		7.620		9.32
20.0		18.98	0.7	309		7.620		9.00
30.0		8.62	0.9	308		7.580		10.03
50.0		4.09	0.6	313	0.1	7.590	89.0	12.38
75.0		3.94	0.5	318		7.590		12.11
100.0		3.86	0.4	322		7.590		11.36
119.0		3.87	0.6	313	0.1	7.600	90.0	11.03

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000	0.000	0.000	0.000	0.250	26.9	0.310	127.1
10.0	0.020	0.000	0.001	0.001		27.0	0.250	
20.0	0.000	0.000	0.001	0.001		26.9	0.120	
30.0	0.028	0.128	0.002	0.130		26.5	0.210	
50.0	0.069	0.145	0.000	0.145	0.180	26.4	0.400	134.5
75.0	0.076	0.145	0.000	0.145		26.3	0.420	
100.0	0.104	0.160	0.000	0.160		26.3	0.950	
119.0	0.120	0.170	0.000	0.170	0.160	26.3		134.3

DEPTH	PHEN	CHLORA
1.0	0.004	4.77
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
119.0		

C-REF-NO 013
CONS. NO 043
COUNTRY 18
INSTITUTE 22

LAT 43-17-00N
LON 077-30-00W

YEAR 1967
MONTH 09
DAY 07
TIME 1921

NO. DEPTHS 04
SOUNDING 0290
BT SLIDE NO 043

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	3.5	20.83	0.7	306	0.6	8.780	84.0	9.50
10.0		19.13	0.9	312		8.710		9.09
20.0		19.16	0.8	309		8.710		8.90
29.0		9.01	1.2	321	1.1	8.310	88.0	9.61

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000				0.240	26.4		126.2
10.0	0.012					26.4		
20.0	0.022					26.3	0.110	
29.0	0.072				0.220	26.0	0.470	132.0

DEPTH	PHEN	CHLORA
1.0	0.005	5.59
10.0		
20.0		
29.0		

C-REF-NO 013
CONS. NO 044
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 09
DAY 07
TIME 2139

NO. DEPTHS 04
SOUNDING 0260
BT SLIDE NO 044

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	3.5	20.33	0.8	307	1.5	8.810		9.70
10.0		19.32	0.9	312		8.780		9.40
20.0		19.27	0.9	309		8.710		8.75
24.0		19.09	0.8	312	0.6	8.610		8.80

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0		0.000	0.000	0.000	0.285	27.4	0.270	
10.0		0.000	0.000	0.000		27.5	0.230	
20.0		0.000	0.002	0.002		27.4	0.470	
24.0		0.000	0.002	0.002	0.300	27.2	0.230	

DEPTH	PHEN	CHLORA
1.0	0.004	7.70
10.0		
20.0		
24.0		

C-REF-NO 013
CONS. NO 045
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 09
DAY 07
TIME 2237

NO. DEPTHS 07
SOUNDING 0841
BT SLIDE NO 045

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	4.0	20.52	0.6	303	0.6	8.590	81.0	9.25
10.0		19.13	0.6	308		8.770		8.95
20.0		19.08	0.6	311		8.760		8.85
30.0		13.76	0.6	315		8.390		8.80
50.0		4.06	0.6	289	0.3	8.440	89.0	11.90
75.0		4.04	0.7	289		8.350		11.55
82.0		4.02	0.9	294	0.4	8.310	88.0	

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000	0.000	0.001	0.001	0.460	27.2	0.160	126.7
10.0	0.005	0.000	0.001	0.001		27.3	0.230	
20.0	0.005	0.000	0.001	0.001		27.1	0.130	
30.0	0.013	0.067	0.003	0.070		27.1	0.230	
50.0	0.052	0.165	0.000	0.165	0.180	27.6	0.390	134.3
75.0	0.054	0.165	0.000	0.165		27.0	0.620	
82.0	0.056	0.165	0.000	0.165	0.170	27.2	0.560	135.0

DEPTH	PHEN	CHLORA
1.0	0.005	6.17
10.0		
20.0		
30.0		
50.0		
75.0		
82.0		

C-REF-NO 013
CONS. NO 046
COUNTRY 18
INSTITUTE 22

LAT 43-28-00N
LON 077-00-00W

YEAR 1967
MONTH 09
DAY 07
TIME 2336

NO. DEPTHS 20
SOUNDING 2195
BT SLIDE NO 046

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	4.5		0.6		0.4		84.0	9.20
4.0		20.86	0.5	299		8.870		9.10
7.0		19.96	0.6	304		8.870	82.0	9.50
10.0		19.21	0.7	304		8.830	81.0	9.05
13.0		19.10	0.7	308		8.830	83.0	9.00
16.0		18.91	0.7	309		8.800	85.0	9.00
19.0			0.7	309		8.700		8.70
22.0		16.59	0.6	306		8.530	81.0	8.80
25.0			0.7	316		8.290	78.0	8.80
28.0			0.6	313		8.400	81.0	10.30
31.0		6.46	0.5	306		8.460	88.0	11.00
34.0		5.66	0.6	309		8.380	88.0	11.55
37.0		5.22	0.6	311		8.390	74.0	11.60
40.0		5.00	0.6	313		8.400	90.0	11.75
50.0		4.02	0.5	311	0.2	8.410	88.0	12.30
75.0		3.95	0.6	318		8.280	89.0	12.15
100.0		3.87	0.6	315		8.390		12.20
150.0		3.82	0.6	311		8.420	88.0	12.30
200.0		3.71	0.7	320		8.390	89.0	12.30
217.0		3.67	0.5	320	0.3	8.350	84.0	11.80

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000				0.270	27.1		125.5
4.0	0.000	0.010	0.000	0.010	0.280	27.0		126.7
7.0	0.000	0.000	0.000	0.000	0.340	26.9		125.5
10.0	0.005	0.000	0.001	0.001	0.325	26.9		126.3
13.0	0.008	0.000	0.001	0.001	0.280	26.8		126.0
16.0	0.009	0.000	0.001	0.001	0.370	26.9		126.7
19.0	0.005	0.008	0.002	0.010	0.410	26.7		128.4
22.0	0.005	0.022	0.003	0.025	0.295	26.7		129.5
25.0	0.000	0.108	0.002	0.110	0.215	26.5		132.5
28.0	0.000	0.124	0.001	0.125	0.390	26.6		134.2
31.0	0.005	0.135	0.000	0.135		26.8		133.5
34.0	0.021	0.140	0.000	0.140	0.275	26.7		133.9
37.0	0.028	0.140	0.000	0.140	0.240	26.8	0.440	134.8
40.0	0.031	0.155	0.000	0.155	0.275	26.8	0.280	136.9
50.0	0.046	0.150	0.000	0.150	0.225	26.8	0.510	135.5
75.0	0.048	0.150	0.000	0.150	0.240	26.8	0.440	135.2
100.0	0.048	0.140	0.000	0.140	0.390	26.8	0.440	
150.0	0.047	0.140	0.000	0.140	0.270	27.0	0.410	135.1
200.0	0.054	0.145	0.000	0.145	0.295	27.0	0.640	136.1
217.0	0.061	0.150	0.000	0.150	0.385	26.9	0.960	137.0

DEPTH	PHEN	CHLORA
1.0	0.004	
4.0		
7.0		
10.0		
13.0		
16.0		
19.0		
22.0		
25.0		
28.0		
31.0		
34.0		
37.0		
40.0		
50.0		
75.0		
100.0		
150.0		
200.0		
217.0		

DEPTH	CDNF	CR NF	CO NF	CU NF	FE NF	PB NF	LI NF	MN NF
1.0	0.000	0.000	0.000	0.014	0.027	0.006	0.002	0.005
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								
22.0								
25.0								
28.0								
31.0								
34.0								
37.0								
40.0								
50.0	0.000	0.000	0.000	0.020	0.023	0.005	0.003	0.012
75.0								
100.0								
150.0								
200.0								
217.0	0.000	0.000	0.000	0.015	0.019	0.005	0.003	0.030

DEPTH	NI NF	SR NFA	ZN NF
1.0	0.004	0.165	0.018
4.0			
7.0			
10.0			
13.0			
16.0			
19.0			
22.0			
25.0			
28.0			
31.0			
34.0			
37.0			
40.0			
50.0	0.002	0.185	0.006
75.0			
100.0			
150.0			
200.0			
217.0	0.003	0.170	0.007

C-REF-NO 013
CONS. NO 047
COUNTRY 18
INSTITUTE 22

LAT 43-35-00N
LON 077-00-00W

YEAR 1967
MONTH 09
DAY 08
TIME 0145

NO. DEPTHS 09
SOUNDING 1719
BT SLIDE NO 047

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		20.27	0.6	305	0.5	8.770	82.0	9.20
10.0		19.54	0.7	306		8.790		9.00
20.0		9.08	0.8	313		8.340		9.90
30.0		5.35	0.8	303		8.300		11.25
50.0		3.93	0.7	319	0.0	8.380	87.0	12.25
75.0		3.92	0.7	304		8.370		12.35
100.0		3.84	0.5	313		8.400		12.30
150.0		3.74	0.4	309		8.400		12.20
171.0		3.73	0.8	314	0.5	8.300		10.60

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.005	0.000	0.000	0.000	0.300	27.3	0.110	125.7
10.0	0.000	0.000	0.000	0.000		27.3	0.270	
20.0	0.000	0.067	0.003	0.070		26.9	0.130	
30.0	0.005	0.149	0.001	0.150		26.9	0.250	
50.0	0.045	0.140	0.000	0.140	0.350	26.7	0.380	132.8
75.0	0.046	0.140	0.000	0.140		27.0	0.420	
100.0	0.047	0.140	0.000	0.140		27.1	0.520	
150.0	0.049	0.135	0.000	0.135		27.1	0.570	
171.0	0.074	0.159	0.001	0.160	0.340	27.4	1.330	137.8

DEPTH	PHEN	CHLORA
1.0	0.004	4.07
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
150.0		
171.0		

C-REF-NO 013
CONS. NO 048
COUNTRY 18
INSTITUTE 22

LAT 43-41-00N
LON 077-00-00W

YEAR 1967
MONTH 09
DAY 08
TIME 0252

NO. DEPTHS 08
SOUNDING 1164
BT SLIDE NO 048

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		20.08	0.7	304	0.5	8.790	75.0	9.20
10.0		19.58	0.7	305		8.820		9.05
20.0		8.03	0.7	311		8.410		10.30
30.0		4.82	0.7	309		8.360		11.30
50.0		4.15	0.6	302	0.1	8.550	84.0	12.70
75.0		3.95	0.6	307		8.420		12.30
100.0		3.83	0.6	307		8.390		12.25
115.0		3.91		318	0.1	8.160	80.0	

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000	0.000	0.000	0.000	0.320	27.5	0.030	125.7
10.0	0.000	0.000	0.000	0.000		27.6	0.120	
20.0	0.000	0.090	0.000	0.090		27.3	0.050	
30.0	0.011	0.144	0.001	0.145		27.3	0.130	
50.0	0.015	0.074	0.001	0.075	0.265	27.1	0.200	128.5
75.0	0.042	0.144	0.001	0.145		26.9	0.320	
100.0								
115.0	0.045	0.139	0.001	0.140	0.500	27.1	0.490	137.6

DEPTH	PHEN	CHLORA
1.0	0.005	4.07
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
115.0		

C-REF-NO 013
CONS. NO 049
COUNTRY 18
INSTITUTE 22

LAT 43-46-00N
LON 077-00-00W

YEAR 1967
MONTH 09
DAY 08
TIME 0359

NO. DEPTHS 06
SOUNDING 0750
BT SLIDE NO 049

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		20.22	0.7	308	0.6	8.940	80.0	9.20
10.0		19.85	2.5	309		8.750		9.97
20.0		14.60	0.5	307		8.510		8.10
30.0		6.79	0.9	316		8.340		9.15
50.0		4.33	1.0	323	0.7	8.310	87.0	9.90
74.0		4.35	0.9	316	0.6	8.300	86.0	9.80

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000	0.000	0.001	0.001	0.465	27.7	0.530	125.0
10.0	0.000	0.000	0.001	0.001		27.5	0.480	
20.0	0.005	0.033	0.002	0.035		27.0	0.410	
30.0	0.035	0.168	0.002	0.170		26.5	0.760	
50.0	0.062	0.173	0.002	0.175	0.320	25.6	1.350	134.9
74.0	0.066	0.172	0.003	0.175	0.425	26.2	1.250	137.0

DEPTH	PHEN	CHLORA
1.0	0.016	6.67
10.0		
20.0		
30.0		
50.0		
74.0		

C-REF-NO 013
CONS. NO 050
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 09
DAY 08
TIME 0459

NO. DEPTHS 03
SOUNDING 0196
BT SLIDE NO 050

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		20.08	0.7	309	0.8	8.920	81.0	9.27
10.0		19.80	1.5	315		8.910		8.88
18.0		19.75	0.8	315	0.6	8.150	79.0	8.71

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0		0.000	0.002	0.002	0.415	27.0	0.470	126.0
10.0		0.000	0.000	0.000		27.2	0.610	
18.0		0.000	0.001	0.001	0.400	27.0	0.160	125.3

DEPTH	PHEN	CHLORA
1.0	0.002	7.34
10.0		
18.0		

C-REF-NO 013
CONS. NO 051
COUNTRY 18
INSTITUTE 22

LAT 43-52-00N
LON 076-37-00W

YEAR 1967
MONTH 09
DAY 08
TIME 0658

NO. DEPTHS 05
SOUNDING 0396
BT SLIDE NO 051

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		20.19	0.7	306	0.6	8.860	82.0	8.92
10.0		20.18	0.9	312		8.870		8.95
20.0		19.96	2.2	313		8.770		8.43
30.0		19.28	0.4	314		8.690		8.18
37.0		15.08	0.6	321	0.6	8.500		7.70

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000	0.000	0.001	0.001		27.5	0.080	126.1
10.0	0.000	0.000	0.001	0.001		27.0	0.130	
20.0	0.000	0.000	0.001	0.001		27.8	0.180	
30.0	0.007	0.009	0.001	0.010		27.5	0.190	
37.0	0.018	0.069	0.001	0.070	0.330	27.1	0.530	

DEPTH	PHEN	CHLORA
1.0	0.001	7.70
10.0		
20.0		
30.0		
37.0		

C-REF-NO 013
CONS. NO 052
COUNTRY 18
INSTITUTE 22

LAT 43-47-00N
LON 076-37-00W

YEAR 1967
MONTH 09
DAY 08
TIME 0757

NO. DEPTHS 06
SOUNDING 0628
BT SLIDE NO 052

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		20.40	0.6	314	0.5	8.890	81.0	8.91
10.0		20.36	0.6	301		8.850		9.08
20.0		20.23	0.8	309		8.790		8.76
30.0		8.77	0.2	311		8.470		10.06
50.0		4.29	0.7	313	0.6	8.370	87.0	11.82
62.0		4.29	0.7	304	0.7	8.420	86.0	10.50

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0		0.000	0.000	0.000	0.410	27.2	0.170	126.0
10.0		0.000	0.000	0.000		27.3	0.560	
20.0		0.000	0.000	0.000		27.2	0.400	
30.0		0.123	0.002	0.125		26.2	0.320	
50.0	0.047	0.174	0.001	0.175	0.240	26.2	0.900	136.6
62.0	0.054	0.173	0.002	0.175	0.380	26.3	1.070	136.5

DEPTH	PHEN	CHLORA
1.0	0.000	6.88
10.0		
20.0		
30.0		
50.0		
62.0		

C-REF-NO 013
CONS. NO 053
COUNTRY 18
INSTITUTE 22

LAT 43-42-00N
LON 076-37-00W

YEAR 1967
MONTH 09
DAY 08
TIME 0917

NO. DEPTHS 07
SOUNDING 1036
BT SLIDE NO 053

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		20.07	0.6	310	0.6	8.870	81.0	8.95
10.0		20.07	0.4	311		8.840		8.90
20.0		19.44	0.6	313		8.730		8.59
30.0		7.07	0.7	325		8.410		10.82
50.0		4.27	0.7	322	0.3	8.450	88.0	11.78
75.0		4.03	0.5	324		8.460		12.11
100.0		3.96	0.8	326	1.2	8.310	90.0	10.21

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000	0.000	0.000	0.000	0.365	27.0	0.180	128.0
10.0	0.000	0.000	0.000	0.000		27.0	0.110	
20.0	0.000	0.000	0.000	0.000		27.0	0.170	
30.0	0.027	0.145	0.000	0.145		26.2	0.230	
50.0	0.030	0.160	0.000	0.160	0.375	25.8	0.330	133.6
75.0	0.043	0.155	0.000	0.155		25.8	0.410	
100.0	0.068	0.175	0.000	0.175	0.300	26.0	1.200	135.7

DEPTH	PHEN	CHLORA
1.0	0.001	6.52
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		

C-REF-NO 013
CONS. NO 054
COUNTRY 18
INSTITUTE 22

LAT 43-37-00N
LON 076-37-00W

YEAR 1967
MONTH 09
DAY 08
TIME 1031

NO. DEPTHS 09
SOUNDING 1737
BT SLIDE NO 054

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	3.5	19.63	0.6	307	0.5	8.740	83.0	8.99
10.0		19.60	0.4	307		8.730		9.07
20.0		16.31	0.7	309		8.640		8.52
30.0		6.48	0.6	316		8.360		11.10
50.0		4.05	0.7	318		8.420	87.0	12.20
75.0		3.97	0.6	320		8.380		12.24
100.0		3.86	0.3	312		8.400		12.18
150.0		3.78	0.3	313		8.400		12.03
172.0		3.76	1.0	328	0.8	8.320	90.0	10.30

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0		0.000	0.000	0.000	0.375	26.1	0.050	128.0
10.0		0.000	0.000	0.000		26.3	0.080	
20.0		0.005	0.000	0.005		26.3	0.070	
30.0		0.140	0.000	0.140		26.4	0.250	
50.0	0.040	0.160	0.000	0.160	0.250	26.0	0.400	133.4
75.0	0.038	0.170	0.000	0.170		25.9	0.400	
100.0	0.042	0.155	0.000	0.155		26.7	0.470	
150.0	0.061	0.158	0.002	0.160		26.2	0.820	
172.0	0.072	0.174	0.001	0.175	0.325	25.8	1.600	137.0

DEPTH	PHEN	CHLORA
1.0	0.001	5.47
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
150.0		
172.0		

C-REF-NO 013
CONS. NO 055
COUNTRY 18
INSTITUTE 22

LAT 43-32-00N
LON 076-38-00W

YEAR 1967
MONTH 90
DAY 81
TIME 1366

NO. DEPTHS 08
SOUNDING 1536
BT SLIDE NO 055

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	4.0	19.60	0.6	301	0.7	8.840	82.0	9.10
10.0		19.60	0.6	312		8.870		9.10
20.0		19.27	0.5	317		8.810		8.60
30.0		9.44	0.4	317		8.460		9.70
50.0		4.06	0.3	319	0.4	8.400	89.0	12.15
75.0		3.96	0.3	317		8.400		12.20
100.0		3.87	0.3	320		8.420		12.40
150.0		3.82	0.4	319	0.4	8.440	89.0	12.30

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000	0.000	0.001	0.001	0.300	26.6	0.720	128.0
10.0	0.000	0.000	0.001	0.001		26.7	0.670	
20.0	0.005	0.000	0.001	0.001		26.6	0.530	
30.0	0.005	0.044	0.006	0.050		26.3	0.240	
50.0	0.051	0.169	0.001	0.170	0.350	26.2	0.410	133.3
75.0	0.050	0.169	0.001	0.170		26.2	0.510	
100.0	0.048	0.164	0.001	0.165		26.0	0.450	
150.0	0.046	0.164	0.001	0.165	0.175	26.1	0.440	134.0

DEPTH	PHEN	CHLORA
1.0	0.000	6.17
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
150.0		

C-REF-NO 013
CONS. NO 056
COUNTRY 18
INSTITUTE 22

LAT 43-27-00N
LON 076-38-00W

YEAR 1967
MONTH 09
DAY 08
TIME 1258

NO. DEPTHS 05
SOUNDING 0353
BT SLIDE NO 056

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	3.0	19.75	0.9	308	1.5	8.840	80.0	8.90
10.0		19.50	0.7	309		8.870		8.90
20.0		18.99	0.5	308		8.800		8.75
30.0		18.34	0.5	308		8.740		8.70
33.0		17.60	0.6	308	0.8	8.690	85.0	8.60

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000	0.000	0.001	0.001		27.8	0.320	128.1
10.0	0.000	0.000	0.001	0.001		27.4	0.410	
20.0	0.007	0.000	0.001	0.001		26.5	0.170	
30.0	0.010	0.009	0.001	0.010		26.6	0.280	
33.0	0.011	0.018	0.002	0.020	0.250	26.5	0.360	129.2

DEPTH	PHEN	CHLORA
1.0	0.000	8.75
10.0		
20.0		
30.0		
33.0		

C-REF-NO 013
CONS. NO 057
COUNTRY 18
INSTITUTE 22

LAT 43-33-00N
LON 076-21-00W

YEAR 1967
MONTH 09
DAY 08
TIME 1441

NO. DEPTHS 05
SOUNDING 0381
BT SLIDE NO 057

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	5.5	20.35	0.6	315	1.0	8.560	80.0	9.10
10.0		20.21	0.6	313		8.830		8.90
20.0		20.18	0.5	312		8.830		8.60
30.0		19.75	0.4	313		8.740		8.60
36.0		11.20	0.7	326	1.0	8.460	86.0	8.60

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000	0.000	0.001	0.001	0.300	29.5	0.100	128.5
10.0	0.000	0.000	0.001	0.001		28.8	0.200	
20.0	0.000	0.000	0.001	0.001		28.3	0.250	
30.0	0.007	0.001	0.001	0.002		28.3	0.200	
36.0	0.031	0.105	0.005	0.110	0.500	26.8	0.440	133.4

DEPTH	PHEN	CHLORA
1.0	0.001	8.16
10.0		
20.0		
30.0		
36.0		

C-REF-NO 013
CONS. NO 058
COUNTRY 18
INSTITUTE 22

LAT 43-42-00N
LON 076-15-00W

YEAR 1967
MONTH 09
DAY 08
TIME 1559

NO. DEPTHS 04
SOUNDING 0287
BT SLIDE NO 058

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	5.5	20.22	0.6	314	1.0	8.820	79.0	8.80
10.0		20.02	0.6	311		8.830		8.70
20.0		20.03	0.7	313		8.820		8.60
26.0		19.85	0.5	312	0.6	8.780	82.0	8.40

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000	0.000	0.002	0.002	0.275	28.4	0.340	
10.0	0.000	0.000	0.002	0.002		28.2	0.190	
20.0	0.000	0.000	0.002	0.002		28.2	0.140	
26.0	0.000	0.000	0.002	0.002	0.375	27.8	0.420	

DEPTH	PHEN	CHLORA
1.0	0.001	7.23
10.0		
20.0		
26.0		

C-REF-NO 013
CONS. NO 059
COUNTRY 18
INSTITUTE 22

LAT 43-50-00N
LON 076-22-00W

YEAR 1967
MONTH 09
DAY 08
TIME 1716

NO. DEPTHS 05
SOUNDING 0445
BT SLIDE NO 059

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	5.0	20.37	0.5	308	0.7	8.850		8.80
10.0		20.05	0.6	315		8.820		8.40
20.0		19.94	0.6	313		8.830		8.65
30.0		19.30	1.4	308		8.600		7.55
36.0		17.65	4.0	310	5.2	8.420	78.0	6.60

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000	0.000	0.000	0.000	0.300	28.0	0.110	
10.0	0.000	0.000	0.002	0.002		28.0	0.130	
20.0	0.000	0.000	0.002	0.002		27.5	0.140	
30.0	0.023	0.015	0.005	0.020		26.8	0.600	
36.0	0.049	0.037	0.008	0.045	0.325	27.2	0.910	124.2

DEPTH	PHEN	CHLORA
1.0	0.002	6.06
10.0		
20.0		
30.0		
36.0		

C-REF-NO 013
CONS. NO 060
COUNTRY 18
INSTITUTE 22

LAT 43-55-00N
LON 076-15-00W

YEAR 1967
MONTH 09
DAY 08
TIME 1817

NO. DEPTHS 04
SOUNDING 0256
BT SLIDE NO 060

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	3.5	20.43	0.6	293	1.6	8.830		8.80
10.0		20.14	0.8	298		8.770		8.70
20.0		19.94	0.5	304		8.700		8.30
24.0		19.05		308	0.9	8.330		5.65

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.006	0.000	0.002	0.002	0.300	26.0	0.380	
10.0	0.007	0.000	0.002	0.002		25.4	0.420	
20.0	0.008	0.000	0.002	0.002		25.8	0.370	
24.0	0.110	0.000	0.010	0.010	0.475	28.5	1.130	

DEPTH	PHEN	CHLORA
1.0	0.002	7.58
10.0		
20.0		
24.0		

C-REF-NO 013
CONS. NO 061
COUNTRY 18
INSTITUTE 22

LAT 44-02-00N
LON 076-33-00W

YEAR 1967
MONTH 09
DAY 08
TIME 2003

NO. DEPTHS 04
SOUNDING 0232
BT SLIDE NO 061

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	4.0	20.36	0.7	315	0.8	8.890		9.02
10.0		20.18	1.0	313		8.920		9.30
20.0		19.86	0.7	315		8.830		8.87
23.0		19.22	0.4	318	0.8	8.780	77.0	8.29

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000	0.014	0.001	0.015	0.300	27.1	0.150	127.8
10.0	0.000	0.002	0.000	0.002		27.1	0.440	
20.0	0.000	0.000	0.000	0.000		27.0	1.040	
23.0	0.016	0.008	0.002	0.010	0.300	27.6	0.670	128.2

DEPTH	PHEN	CHLORA
1.0	0.000	6.88
10.0		
20.0		
23.0		

C-REF-NO 013
CONS. NO 062
COUNTRY 18
INSTITUTE 22

LAT 44-00-00N
LON 076-43-00W

YEAR 1967
MONTH 09
DAY 08
TIME 2112

NO. DEPTHS 05
SOUNDING 0360
BT SLIDE NO 062

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	4.5	20.24	0.8	313	0.8	8.950		9.10
10.0		19.94	0.7	318		8.820		9.09
20.0		12.34	0.8	327		8.360		6.52
30.0		9.17	0.5	322		8.260		7.08
32.0		8.91	0.5	325	0.7	8.360	91.0	6.79

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.012	0.000	0.000	0.000	0.275	27.1	0.370	128.4
10.0	0.000	0.000	0.001	0.001		27.0	0.770	
20.0	0.019	0.119	0.001	0.120		26.5	0.960	
30.0	0.059	0.154	0.001	0.155		26.4	1.270	
32.0	0.070	0.154	0.001	0.155	0.250	26.5	1.300	137.0

DEPTH	PHEN	CHLORA
1.0	0.001	6.88
10.0		
20.0		
30.0		
32.0		

C-REF-NO 013
CONS. NO 063
COUNTRY 18
INSTITUTE 22

LAT 43-47-00N
LON 076-37-00W

YEAR 1967
MONTH 09
DAY 08
TIME 2334

NO. DEPTHS 16
SOUNDING 0620
BT SLIDE NO 063

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	3.0	20.98	0.6	313		8.910	79.0	9.00
4.0		20.80	0.6	316		8.890	78.0	9.05
7.0		20.42	0.9	312		8.940	78.0	9.30
10.0		20.36	0.9	308		8.900	78.0	8.97
13.0		20.30	0.7	313		8.860	77.0	8.73
16.0		20.30	0.8	308		8.830		8.78
19.0			0.7	314		8.869		8.70
22.0		20.24	0.7	317		8.810	77.0	8.89
25.0		11.66	0.7	321		8.320	79.0	8.12
28.0		9.11	0.2	318		8.330		9.80
31.0		8.36	0.5	323		8.410	90.0	9.80
34.0		7.01	0.5	326		8.320	89.0	10.40
37.0		6.07	0.9	325		8.350	89.0	
40.0		4.63	0.8	329		8.300	88.0	10.40
50.0		4.45	1.1	330		8.300	88.0	10.50
60.0		4.41	1.4	326		8.300	86.0	10.30

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.014	0.000	0.000	0.000	0.300	27.5	0.350	126.3
4.0	0.000	0.000	0.000	0.000	0.250	27.5	0.140	126.7
7.0	0.000	0.000	0.000	0.000	0.350	27.5	0.070	126.5
10.0	0.000	0.002	0.000	0.002	0.325	27.6	0.420	126.0
13.0	0.005	0.000	0.000	0.000	0.300	27.4	0.290	124.7
16.0	0.007	0.000	0.000	0.000	0.275	27.4	0.290	
19.0	0.012	0.000	0.000	0.000	0.425	27.5	0.130	
22.0	0.006	0.000	0.000	0.000	0.300	27.4	0.090	125.9
25.0	0.012	0.089	0.001	0.090	0.250	26.2	0.230	127.0
28.0	0.014	0.108	0.002	0.110	0.200	25.6	0.170	
31.0	0.016	0.119	0.001	0.120	0.275	25.4	0.210	133.0
34.0	0.030	0.144	0.001	0.145	0.350	25.6	0.420	132.0
37.0	0.036	0.154	0.001	0.155	0.225	26.3	0.470	131.0
40.0	0.051	0.159	0.001	0.160	0.425	26.4	0.210	135.0
50.0	0.057	0.174	0.001	0.175	0.600	26.1	0.095	136.0
60.0	0.069	0.174	0.001	0.175	0.200	26.1	1.010	133.8

DEPTH	PHEN	CHLORA
1.0		
4.0		
7.0		
10.0		
13.0		
16.0		
19.0		
22.0		
25.0		
28.0		
31.0		
34.0		
37.0		
40.0		
50.0		
60.0		

C-REF-NO 013
CONS. NO 064
COUNTRY 18
INSTITUTE 22

LAT 43-47-00N
LON 076-37-00W

YEAR 1967
MONTH 09
DAY 09
TIME 0137

NO. DEPTHS 09
SOUNDING 0620
BT SLIDE NO 064

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		20.92	0.7	313		8.880		9.50
10.0		20.32	0.7	315		8.820		9.70
19.0		20.30	0.7	316		8.840		9.10
20.5		20.29	5.5	319		8.882		9.00
22.0		20.28	0.6	316		8.840		8.90
23.5		20.22	0.6	316		8.700		9.00
25.0		19.77	0.5	314		8.770		8.80
30.0		9.17	0.5	318		8.845		9.90
50.0		4.43	1.0	320		8.400		10.30

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000	0.000	0.001	0.001		26.8	0.420	
10.0	0.000	0.000	0.001	0.001		27.1	0.520	
19.0	0.000	0.000	0.001	0.001		27.2	0.650	
20.5	0.000	0.000	0.001	0.001		27.2	0.360	
22.0	0.000	0.000	0.001	0.001		27.2	0.510	
23.5	0.000	0.000	0.001	0.001		27.3	0.500	
25.0	0.013	0.000	0.001	0.001		27.4	0.340	
30.0	0.011	0.000	0.003	0.003		25.9	0.440	
50.0	0.060	0.119	0.001	0.120		25.9	1.120	

DEPTH	PHEN	CHLORA
1.0		
10.0		
19.0		
20.5		
22.0		
23.5		
25.0		
30.0		
50.0		

C-REF-NO 013
CONS. NO 065
COUNTRY 18
INSTITUTE 22

LAT 43-47-00N
LON 076-37-00W

YEAR 1967
MONTH 09
DAY 09
TIME 0335

NO. DEPTHS 09
SOUNDING 0620
BT SLIDE NO 065

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		20.84	0.5	312		8.800		9.40
10.0		20.35	0.6	312		8.860		9.40
19.0		20.28	0.6	313		8.800		8.90
20.5		20.25	0.5	312		8.800		9.10
22.0		20.22	0.4	314		8.810		8.40
23.5		20.07						
25.0		17.13						
30.0		8.77	0.6	320		8.390		9.90
50.0		4.46	0.7	326		8.270		10.00

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.005	0.000	0.001	0.001		27.4	0.360	
10.0	0.007	0.000	0.001	0.001		27.5	0.520	
19.0	0.000	0.000	0.001	0.001		27.3	0.130	
20.5	0.000	0.000	0.001	0.001		27.3	0.370	
22.0	0.000	0.000	0.001	0.001		27.4		
23.5								
25.0								
30.0	0.010	0.118	0.002	0.120		25.8	0.250	
50.0	0.060	0.179	0.001	0.180		25.8	0.850	

DEPTH	PHEN	CHLORA
1.0		
10.0		
19.0		
20.5		
22.0		
23.5		
25.0		
30.0		
50.0		

C-REF-NO 013
CONS. NO 066
COUNTRY 18
INSTITUTE 22

LAT 43-47-00N
LON 076-37-00W

YEAR 1967
MONTH 09
DAY 09
TIME 0530

NO. DEPTHS 09
SOUNDING 0620
BT SLIDE NO 066

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		20.55	0.4	309		8.880		9.30
10.0		20.37	0.4	309		8.900		9.50
19.0		20.28	0.4	311		8.820		9.10
20.5		20.26	0.4	312		8.810		9.00
22.0		20.21	0.4	313		8.820		9.00
23.5		20.18	0.4	312		8.810		8.90
25.0		18.14	0.4	312		8.700		8.50
30.0		8.84	0.4	320		8.470		8.00
50.0		4.47	0.7	325		8.310		10.20

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000	0.000	0.001	0.001		28.1	0.150	
10.0	0.000	0.000	0.001	0.001		28.1	0.320	
19.0	0.000	0.000	0.001	0.001		28.0	0.340	
20.5	0.000	0.000	0.001	0.001		28.0	0.080	
22.0	0.000	0.000	0.001	0.001		28.1	0.280	
23.5	0.000	0.008	0.002	0.010		28.0	0.380	
25.0	0.000	0.063	0.002	0.065		27.9	0.350	
30.0	0.000	0.173	0.002	0.175		27.3	0.280	
50.0	0.064					27.0	0.860	

DEPTH	PHEN	CHLORA
1.0		
10.0		
19.0		
20.5		
22.0		
23.5		
25.0		
30.0		
50.0		

C-REF-NO 013
CONS. NO 067
COUNTRY 18
INSTITUTE 22

LAT 43-47-00N
LON 076-37-00W

YEAR 1967
MONTH 09
DAY 09
TIME 0730

NO. DEPTHS 10
SOUNDING 0620
BT SLIDE NO 067

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		20.40	0.5	308		8.860		9.00
10.0		20.37	0.5	309		8.870		9.20
19.0		20.32	0.4	312		8.860		8.90
20.5		20.26	0.6	312		8.850		8.80
22.0		20.16	0.5	313		8.800		8.60
23.5		12.87	0.5	316		8.300		7.80
25.0		10.42	0.5	314		8.330		8.80
27.5		9.21	0.5	322		8.380		9.70
30.0		8.80	0.6	317		8.400		9.80
50.0		6.10	0.8	321		8.320		10.10

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000	0.000	0.001	0.001		28.4	0.370	
10.0	0.000	0.000	0.001	0.001		28.4	0.270	
19.0	0.000	0.000	0.001	0.001		28.3	0.130	
20.5	0.000	0.000	0.001	0.001		28.5	0.420	
22.0	0.000	0.000	0.001	0.001		28.4	0.390	
23.5	0.000	0.093	0.002	0.095		27.0	0.240	
25.0	0.005	0.104	0.001	0.105		26.6	0.210	
27.5	0.005	0.118	0.002	0.120		26.6	0.250	
30.0	0.005	0.117	0.003	0.120		26.7	0.170	
50.0	0.054	0.173	0.002	0.175		26.9	0.790	

DEPTH	PHEN	CHLORA
1.0		
10.0		
19.0		
20.5		
22.0		
23.5		
25.0		
27.5		
30.0		
50.0		

C-REF-NO 013
CONS. NO 068
COUNTRY 18
INSTITUTE 22

LAT 43-47-00N
LON 076-37-00W

YEAR 1967
MONTH 09
DAY 09
TIME 0930

NO. DEPTHS 10
SOUNDING 0620
BT SLIDE NO 068

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		20.34	0.5	308		8.840		8.90
10.0		20.34	0.6	308		8.870		9.40
19.0		20.35	0.5	308		8.860		9.00
20.5		20.28	0.5	309		8.850		9.20
22.0		20.13	0.4	309		8.810		8.70
23.5		16.46	0.5	312		8.510		8.00
25.0		11.56	0.7	308		8.320		8.50
27.5		9.58	0.6	314		8.400		9.60
30.0		8.20	0.6	313		8.430		10.20
50.0		4.49	0.9	318		8.290		10.30

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000	0.000	0.001	0.001		28.4	0.650	
10.0	0.000	0.000	0.001	0.001		28.4	0.490	
19.0	0.000	0.000	0.001	0.001		28.4	0.220	
20.5	0.000	0.000	0.001	0.001		28.1	0.110	
22.0	0.000	0.000	0.001	0.001		28.0	0.500	
23.5	0.000	0.048	0.002	0.050		27.4	0.330	
25.0	0.000	0.103	0.002	0.105		26.3	0.340	
27.5	0.000	0.117	0.003	0.120		26.3	0.680	
30.0	0.012	0.123	0.002	0.125		26.2	0.230	
50.0	0.060	0.174	0.001	0.175		26.2	0.870	

DEPTH	PHEN	CHLORA
1.0		
10.0		
19.0		
20.5		
22.0		
23.5		
25.0		
27.5		
30.0		
50.0		

C-REF-NO 013
CONS. NO 069
COUNTRY 18
INSTITUTE 22

LAT 43-47-00N
LON 076-37-00W

YEAR 1967
MONTH 09
DAY 09
TIME 1130

NO. DEPTHS 10
SOUNDING 0500
BT SLIDE NO 069

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		20.32	0.7	308		8.850		8.90
10.0		20.32	0.5	312		8.880		8.30
19.0		20.34	0.4	307		8.830		8.70
20.5		20.33	0.3	307		8.830		9.00
22.0		20.08	0.6	307		8.720		8.70
23.5		12.86	0.4	316		8.420		7.60
25.0		10.14	0.6	311		8.410		9.00
27.5		9.31	0.3	312		8.420		9.90
30.0		8.53	0.4	299		8.710		9.30
50.0		4.48	1.1	314		8.370		9.90

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000	0.000	0.001	0.001		28.6	0.400	
10.0	0.000	0.000	0.001	0.001		28.4	0.430	
19.0	0.000	0.000	0.001	0.001		28.3	0.510	
20.5	0.000	0.000	0.001	0.001		28.4	0.470	
22.0	0.010	0.000	0.001	0.001		29.0	0.470	
23.5	0.010	0.083	0.002	0.085		26.9	0.400	
25.0	0.010	0.103	0.002	0.105		26.2	0.310	
27.5	0.013	0.013	0.002	0.015		26.3	0.500	
30.0	0.012	0.039	0.001	0.040		28.0	0.170	
50.0	0.077	0.174	0.001	0.175		26.4	0.880	

DEPTH	PHEN	CHLORA
1.0		
10.0		
19.0		
20.5		
22.0		
23.5		
25.0		
27.5		
30.0		
50.0		

C-REF-NO 013
CONS. NO 070
COUNTRY 18
INSTITUTE 22

LAT 43-47-00N
LON 076-37-00W

YEAR 1967
MONTH 09
DAY 09
TIME 1332

NO. DEPTHS 10
SOUNDING 0620
BT SLIDE NO 070

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	5.5	20.31	0.5	314		8.890		
10.0		20.30	0.4	320		8.780		9.00
19.0		20.32	0.4	313		8.870		8.90
20.5		20.29	0.4	312		8.890		9.00
22.0		20.24	0.4	312		8.800		8.60
23.5		12.26	0.5	320		8.420		8.30
25.0			0.7	314		8.330		9.80
27.5		9.29	0.5	315		8.480		
30.0		8.16	0.7	318		8.460		9.70
50.0		4.48	0.4	314		8.320		10.20

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000	0.000	0.001	0.001		27.6	0.290	
10.0	0.000	0.000	0.001	0.001		27.6	0.560	
19.0	0.000	0.000	0.001	0.001		27.7	0.340	
20.5	0.000	0.000	0.001	0.001		27.6	0.620	
22.0	0.000	0.000	0.001	0.001		27.6	0.300	
23.5	0.010	0.093	0.002	0.095		26.1	0.210	
25.0	0.010	0.088	0.002	0.090		26.4	0.340	
27.5	0.010	0.122	0.003	0.125		25.8	0.140	
30.0	0.018	0.113	0.002	0.115		26.1	0.260	
50.0	0.076	0.168	0.002	0.170		25.9	1.140	

DEPTH	PHEN	CHLORA
1.0		
10.0		
19.0		
20.5		
22.0		
23.5		
25.0		
27.5		
30.0		
50.0		

C-REF-NO 013
CONS. NO 071
COUNTRY 18
INSTITUTE 22

LAT 43-47-00N
LON 076-37-00W

YEAR 1967
MONTH 09
DAY 09
TIME 1532

NO. DEPTHS 09
SOUNDING 0620
BT SLIDE NO 071

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	6.0	20.31	1.0	298		8.860		9.40
10.0		20.28	1.0	298		8.800		8.90
19.0		20.33	0.6	299		8.820		8.90
20.5		20.32	0.5			8.830		9.00
22.0		20.32	0.5	302		8.850		9.10
23.5		19.39	0.4	299		8.760		8.50
25.0		10.51	0.5	297		8.440		8.00
30.0		8.63	0.5	295		8.490		10.00
50.0		4.53	0.2	281		8.480		10.10

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000	0.000	0.000	0.000		27.8	0.510	
10.0	0.000	0.000	0.000	0.000		28.3	0.390	
19.0	0.000	0.000	0.000	0.000		27.8	0.280	
20.5	0.000	0.000	0.000	0.000		27.9	1.240	
22.0	0.000	0.000	0.000	0.000		28.0	0.590	
23.5	0.000	0.004	0.001	0.005		27.3	0.410	
25.0	0.010	0.108	0.002	0.110		26.1	0.300	
30.0	0.016	0.123	0.002	0.125		26.1	0.310	
50.0	0.074	0.179	0.001	0.180		26.0	1.130	

DEPTH	PHEN	CHLORA
1.0		
10.0		
19.0		
20.5		
22.0		
23.5		
25.0		
30.0		
50.0		

C-REF-NO 013
CONS. NO 072
COUNTRY 18
INSTITUTE 22

LAT 43-47-00N
LON 076-37-00W

YEAR 1967
MONTH 09
DAY 09
TIME 1734

NO. DEPTHS 08
SOUNDING 0620
BT SLIDE NO 072

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		20.30	0.5	311		8.880		10.20
10.0		20.29	0.7	312		8.860		9.30
19.0		20.33	0.4	313		8.500		9.10
20.5		20.31	0.4	308		8.870		9.20
22.0		20.09	0.5	316		8.790		9.10
23.5		17.54	0.2	314		8.620		8.10
25.0		11.32	0.7	313		8.460		8.40
30.0		8.65	0.7	307		8.460		10.20

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000	0.000	0.000	0.000		28.2	0.440	
10.0	0.000	0.000	0.000	0.000		28.0	0.570	
19.0	0.000	0.000	0.000	0.000		28.0	0.500	
20.5	0.000	0.000	0.000	0.000		28.0	0.620	
22.0	0.000	0.000	0.000	0.000		27.8	0.520	
23.5	0.000	0.023	0.002	0.025		27.6	0.330	
25.0	0.000	0.108	0.002	0.110		26.2	0.510	
30.0	0.015	0.118	0.002	0.120		26.9	0.400	

DEPTH	PHEN	CHLORA
1.0		
10.0		
19.0		
20.5		
22.0		
23.5		
25.0		
30.0		

C-REF-NO 013
CONS. NO 073
COUNTRY 18
INSTITUTE 22

LAT 43-47-00N
LON 076-37-00W

YEAR 1967
MONTH 09
DAY 09
TIME 1930

NO. DEPTHS 09
SOUNDING 0620
BT SLIDE NO 073

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		20.30	0.4	300				8.80
10.0		20.28	0.4	314				9.20
19.0		20.32	0.3	315				8.70
20.5		20.24	0.4	316		8.810		9.00
22.0		17.60	0.3	318		8.630		8.00
23.5		19.34	0.4	317		8.760		8.40
25.0		14.32	0.3	318		8.340		7.80
30.0		8.72	0.3	325		8.410		10.10
50.0		4.72	0.7	328		8.280		10.10

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.000	0.000	0.000	0.000		27.6	0.210	
10.0	0.000	0.000	0.000	0.000		27.5	0.450	
19.0	0.000	0.000	0.000	0.000		27.2	0.460	
20.5	0.000	0.000	0.000	0.000		27.2	0.270	
22.0	0.000	0.018	0.002	0.020		27.0	0.290	
23.5	0.000	0.004	0.001	0.005		27.1	0.310	
25.0	0.000	0.093	0.002	0.095		25.8	0.300	
30.0	0.011	0.118	0.002	0.120		25.5	0.190	
50.0	0.075	0.168	0.002	0.170		25.3	0.920	

DEPTH	PHEN	CHLORA
1.0		
10.0		
19.0		
20.5		
22.0		
23.5		
25.0		
30.0		
50.0		

C-REF-NO 013
CONS. NO 074
COUNTRY 18
INSTITUTE 22

LAT 43-47-00N
LON 076-37-00W

YEAR 1967
MONTH 09
DAY 09
TIME 2130

NO. DEPTHS 09
SOUNDING 0620
BT SLIDE NO 074

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		20.29	0.4	311		8.830		8.70
10.0		20.27	0.4	315		8.870		9.00
19.0		20.30	0.5	312		8.870		9.00
20.5			0.5	316		8.470		10.10
22.0		20.21	0.4	314		8.810		8.90
23.5		16.59	0.5	319		8.510		8.00
25.0		11.73	0.5	319		8.290		8.40
30.0		8.28	0.2	315		8.340		10.00
50.0		4.55	0.8	325		8.230		10.00

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0	0.016	0.194	0.001	0.195		27.1	0.290	
10.0	0.010	0.128	0.002	0.130		26.9	0.290	
19.0	0.000	0.108	0.002	0.110		26.8	0.180	
20.5	0.015	0.055	0.000	0.055		25.0	0.160	
22.0	0.000	0.000	0.002	0.002		26.8	0.170	
23.5	0.000	0.118	0.002	0.120		26.1	0.160	
25.0	0.014	0.000	0.000	0.000		26.3	0.170	
30.0	0.020	0.000	0.001	0.001		25.0	0.170	
50.0	0.076	0.000	0.001	0.001		25.0	0.880	

DEPTH	PHEN	CHLORA
1.0		
10.0		
19.0		
20.5		
22.0		
23.5		
25.0		
30.0		
50.0		

C-REF-NO 013
CONS. NO 075
COUNTRY 18
INSTITUTE 22

LAT 43-47-00N
LON 076-37-00W

YEAR 1967
MONTH 09
DAY 09
TIME 2330

NO. DEPTHS 16
SOUNDING 0620
BT SLIDE NO 075

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		20.25	0.4	313		8.760	71.0	8.80
4.0		20.22	0.5	315		8.830	82.0	8.80
7.0		20.29	0.4	314		8.790	82.0	8.80
10.0		20.28	0.4	314		8.800		9.00
13.0		20.27	0.4	314		8.810	85.0	8.90
16.0		20.30	0.4	316		8.820	85.0	9.00
19.0		20.28	0.4	312		8.780	84.0	8.90
22.0		20.02	0.5	311		8.770	83.0	9.00
25.0		11.93	0.5	319		8.290	88.0	7.90
28.0		9.11	0.5	322		8.370	90.0	9.90
31.0			0.3	315		8.800		9.00
34.0			0.3	310		8.840	84.0	8.90
37.0			0.4	313		8.820	83.0	8.70
40.0			0.4	314		8.850	83.0	8.90
50.0			0.5	317		8.820	81.0	8.80
60.0			0.5	319		8.420	84.0	10.60

DEPTH	R PO4	NO3 NF	NO2 NF	T NO3	TKJ N	CL	R SIO2	HARD
1.0		0.000	0.000	0.000	0.390	26.1	0.390	126.0
4.0		0.000	0.000	0.000	0.350	26.0	0.360	124.7
7.0		0.000	0.000	0.000	0.370	26.0	0.120	126.0
10.0		0.000	0.000	0.000	0.280	26.1	0.460	128.4
13.0		0.000	0.000	0.000	0.280	26.1	0.540	126.6
16.0		0.000	0.000	0.000	0.230	26.1	0.450	127.8
19.0		0.000	0.000	0.000	0.475	26.0	0.710	128.7
22.0		0.000	0.000	0.000	0.310	25.3	0.520	128.2
25.0		0.103	0.002	0.105	0.275	24.2	0.280	134.0
28.0		0.118	0.002	0.120	0.350	24.2	0.290	134.8
31.0		0.000	0.000	0.000	0.300	26.1	0.390	129.1
34.0		0.000	0.000	0.000	0.280	26.1	0.390	127.3
37.0		0.000	0.000	0.000	0.270	25.8	0.270	126.8
40.0		0.000	0.000	0.000	0.275	26.0	0.390	122.3
50.0		0.000	0.001	0.001	0.290	25.8	0.470	127.7
60.0		0.129	0.001	0.130	0.250	24.3	0.230	133.0

DEPTH	PHEN	CHLORA
1.0		
4.0		
7.0		
10.0		
13.0		
16.0		
19.0		
22.0		
25.0		
28.0		
31.0		
34.0		
37.0		
40.0		
50.0		
60.0		

CRUISE 67 - 015, September 16 - 21

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

LAT 43-19-00N
LON 079-39-00W

YEAR 1967
MONTH 09
DAY 16
TIME 2104

NO. DEPTHS 06
SOUNDING 0594
BT SLIDE NO 001

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.0	18.46	1.0		1.8		82.0	
10.0		15.00	1.3	328		8.420		
20.0		14.13	1.5	315		8.570		
30.0		13.26	1.5	319		8.480		
50.0		7.35	1.2	326	0.8	8.290	86.0	
57.0		5.22		324		8.230	86.0	

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	11.20	0.060		0.003	0.002	0.005	0.450	
10.0	10.29			0.002	0.003	0.005		
20.0	9.90			0.016	0.004	0.020		
30.0	9.93			0.030	0.005	0.035		
50.0	9.15	0.040		0.185	0.005	0.190	0.365	
57.0				0.245	0.005	0.250	0.375	

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0		0.240		0.002	10.24	000E00	000E00	120E01
10.0		0.510				400E00		
20.0		0.530						
30.0		0.540						
50.0		0.500				700E00	300E00	220E01
57.0		0.990						

DEPTH	SPC 20	SPC 35
1.0	300E01	240E01
10.0		
20.0		
30.0		
50.0	170E02	
57.0		

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

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

YEAR 1967
MONTH 09
DAY 16
TIME 2242

NO. DEPTHS 03
SOUNDING 0190
BT SLIDE NO 002

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	2.0	17.88	1.8	315	2.5	8.740	79.5	
10.0		14.57	1.3	320		8.510		
17.0		13.49	2.0	320	1.8	8.340	86.5	

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.31	0.050		0.002	0.003	0.005	0.470	
10.0	9.10			0.004	0.021	0.025		
17.0	8.43			0.005	0.060	0.065	0.385	

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0		1.170			10.04			
10.0		0.340						
17.0		0.660						

DEPTH	SPC 20	SPC 35
1.0		
10.0		
17.0		

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

LAT 43-18-00N
LON 079-28-00W

YEAR 1967
MONTH 09
DAY 16
TIME 2351

NO. DEPTHS 17
SOUNDING 0820
BT SLIDE NO 003

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		18.80	1.1	309	0.5	8.840	83.5	
4.0		18.81	1.2	306		8.830	84.5	
7.0		18.25	1.4	310		8.820	84.0	
10.0		17.47	1.7	309		8.710	84.0	
13.0		14.69	1.1	317		8.330	79.5	
16.0		10.97	3.1	318		8.300	85.0	
19.0		8.81	0.9	318		8.200	86.5	
22.0		7.57	2.3	318		8.100	88.0	
25.0		6.38	0.9	318		8.250	83.0	
28.0		4.98	1.0	319		8.280		
30.0		5.31	1.2	324		8.100	99.5	
33.0		4.83	1.1	323		8.140	90.0	
36.0		4.51	1.1	326		8.100	89.5	
39.0		4.48	0.9	326		8.190	95.0	
49.0		4.20	0.8	323	0.8	8.310	87.5	
73.0		4.17	1.5	329		8.170	90.5	
78.0		4.18	1.4	326	0.9	8.220	85.0	

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.26	0.025		0.003	0.002	0.005	0.410	
4.0	10.18			0.003	0.002	0.005	0.390	
7.0	10.20			0.002	0.003	0.005	0.490	
10.0	9.40			0.002	0.003	0.005	0.415	
13.0	8.88			0.020	0.005	0.025	0.400	
16.0	9.53			0.080	0.005	0.085		
19.0	9.50			0.140	0.005	0.145	0.340	
22.0	9.19			0.170	0.005	0.175	0.380	
25.0	8.70			0.216	0.004	0.220	0.390	
28.0	10.30			0.210	0.005	0.215	0.395	
30.0	9.88			0.236	0.004	0.240	0.310	
33.0	10.22			0.225	0.005	0.230	0.320	
36.0	10.45			0.231	0.004	0.235	0.330	
39.0	10.78			0.233	0.002	0.235	0.450	
49.0	11.02	0.050		0.248	0.002	0.250	0.315	
73.0	10.81			0.248	0.002	0.250	0.290	
78.0	10.64	0.055		0.248	0.002	0.250	0.340	

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

LAT 43-23-00N
LON 079-32-00W

YEAR 1967
MONTH 09
DAY 17
TIME 0158

NO. DEPTHS 07
SOUNDING 0920
BT SLIDE NO 004

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		18.77	0.8	320		8.560		
10.0		17.50	0.8	319		8.580		
20.0		6.68	0.9	330		8.330		
30.0		4.77	1.3	327		8.250		
50.0		4.15	0.5	329		8.210	89.5	
75.0		4.13	0.8	329		8.220		
90.0		4.10		329		8.230	84.5	

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.03			0.004	0.001	0.005	0.340	
10.0	9.20			0.004	0.001	0.005		
20.0	9.10			0.172	0.003	0.175		
30.0	10.02			0.233	0.002	0.235		
50.0	11.30			0.249	0.001	0.250	0.270	
75.0	10.98			0.239	0.001	0.240		
90.0	10.80			0.239	0.001	0.240	0.310	

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0				0.001	6.99	100E00		200E00
10.0						000E00		
20.0								
30.0	26.0							
50.0	26.0					100E00		
75.0	26.0							
90.0	26.5							200E00

DEPTH	SPC 20	SPC 35
1.0	600E00	
10.0		
20.0		
30.0		
50.0		
75.0		
90.0	780E01	

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

LAT 43-28-00N
LON 079-36-00W

YEAR 1967
MONTH 09
DAY 17
TIME 0306

NO. DEPTHS 05
SOUNDING 0350
BT SLIDE NO 005

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		18.36	4.7	316	2.0	8.890	86.0	
10.0		15.41	1.0	321		8.700	86.5	
20.0		15.40	0.9	321		8.640	88.0	
30.0		10.89	1.6	326		8.440	89.5	
33.0		6.65	4.0	337		8.210		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0		0.035		0.003	0.002	0.005	0.460	
10.0				0.003	0.002	0.005	0.435	
20.0				0.003	0.002	0.005	0.500	
30.0		0.105		0.095	0.005	0.100	0.440	
33.0				0.206	0.004	0.210	0.335	

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	26.5				8.52			
10.0	26.5							
20.0	27.0							
30.0	27.0							
33.0	26.5							

DEPTH	SPC 20	SPC 35
1.0		
10.0		
20.0		
30.0		
33.0		

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

LAT 43-37-00N
LON 079-20-00W

YEAR 1967
MONTH 09
DAY 17
TIME 0452

NO. DEPTHS 03
SOUNDING 0130
BT SLIDE NO 006

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		17.95	1.0	323	1.5	8.860	85.5	
10.0		16.43	0.7	321		8.730		
12.0		16.27	0.8	325	6.7	8.720	87.5	

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.60			0.003	0.001	0.004	0.320	
10.0	10.30			0.003	0.001	0.004		
12.0	10.30			0.003	0.001	0.004	0.350	

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.0		129.5		8.28			
10.0	27.0							
12.0	27.0		131.5					

DEPTH	SPC 20	SPC 35
1.0		
10.0		
12.0		

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

LAT 43-33-00N
LON 079-17-00W

YEAR 1967
MONTH 09
DAY 17
TIME 0600

NO. DEPTHS 08
SOUNDING 1073
BT SLIDE NO 007

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		18.95	0.6	322		8.730	89.0	
10.0		17.42	0.8	323		8.570		
20.0		7.04	0.6	330		8.120		
30.0		4.12	0.6	329		8.150		
50.0		4.03	0.7	333		8.200	89.5	
75.0		3.93	0.5	330		8.220		
100.0		3.79	0.8	333		8.120		
105.0		3.79		335		8.180	84.0	

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.30			0.004	0.000	0.004	0.325	
10.0	8.90			0.008	0.002	0.010		
20.0	9.90			0.151	0.004	0.155		
30.0	11.60			0.215	0.000	0.215		
50.0	12.10			0.210	0.000	0.210	0.190	
75.0	12.20			0.205	0.000	0.205		
100.0	11.50	0.260		0.225	0.000	0.225		
105.0	11.00					0.230	0.275	

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	26.5		132.5	0.001	8.75	000E00		110E01
10.0	26.5					000E00		
20.0	26.0							
30.0	26.0							
50.0	26.0		134.8			000E00		
75.0	26.0							
100.0								
105.0	26.0		137.0			000E00		300E00

DEPTH	SPC 20	SPC 35
1.0	110E02	700E01
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
105.0	600E01	720E01

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

LAT 43-29-00N
LON 079-15-00W

YEAR 1967
MONTH 09
DAY 17
TIME 0653

NO. DEPTHS 08
SOUNDING 1231
BT SLIDE NO 008

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		18.75	1.1	322		8.850	87.0	
10.0		18.06	0.8	322		8.620		
20.0		4.40	1.2	330		8.220		
30.0		4.07	0.4	329		8.230		
50.0		3.97	0.4	330		8.260	88.5	
75.0		3.90	0.4	330		8.260		
100.0		3.81	0.3	329		8.290		
121.0		3.79	0.7	334		8.170	89.5	

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.30			0.003	0.001	0.004	0.310	
10.0	11.60			0.003	0.001	0.004		
20.0	11.60			0.214	0.001	0.215		
30.0	12.00			0.215	0.000	0.215		
50.0	12.30			0.210	0.000	0.210	0.175	
75.0	12.50			0.205	0.000	0.205		
100.0	12.40			0.200	0.000	0.200		
121.0	10.80			0.229	0.001	0.230		

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.0		132.6	0.001		000E00		700E00
10.0	27.0					200E00		
20.0	26.5	0.380						
30.0	26.5	0.400						
50.0	26.5	0.420	135.5			000E00		
75.0	26.5	0.430						
100.0	26.5	0.470						
121.0	26.5	1.400	137.5			000E00		500E00

DEPTH	SPC 20	SPC 35
1.0	600E01	480E01
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
121.0	620E01	100E01

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

LAT 43-25-00N
LON 079-12-00W

YEAR 1967
MONTH 09
DAY 17
TIME 0749

NO. DEPTHS 08
SOUNDING 1195
BT SLIDE NO 009

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		18.92	0.9	319		8.880	85.6	
10.0		17.45	0.9	317		8.010		
20.0		4.31	0.7	328		7.880		
30.0		4.16	0.2	328		7.780		
50.0		4.02	0.6	328		7.860	93.5	
75.0		3.92	0.0	330				
100.0		3.83		331		7.170	87.0	
117.0		3.79						

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.00			0.002	0.002	0.004	0.290	
10.0	8.80			0.002	0.002	0.004		
20.0	11.30			0.227	0.003	0.230		
30.0	11.80			0.278	0.002	0.230		
50.0	12.10			0.224	0.001	0.225	0.210	
75.0	12.40			0.214	0.001	0.215		
100.0	11.80			0.229	0.001	0.230	0.200	
117.0								

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.5	0.230	131.8	0.001	7.34			
10.0	27.5	0.130				300E00		
20.0	27.0	0.410						
30.0	26.5	0.430						
50.0	26.5	0.470	135.8			400E00		
75.0	26.5	0.470						
100.0	26.5	0.800	135.5					
117.0								

DEPTH	SPC 20	SPC 35
1.0		
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
117.0		370E02

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

LAT 43-21-00N
LON 079-09-00W

YEAR 1967
MONTH 09
DAY 17
TIME 0902

NO. DEPTHS 07
SOUNDING 0929
BT SLIDE NO 010

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		18.54	1.1	320		7.720	86.0	
10.0		16.50	0.8	324		7.480		
20.0		9.17	0.7	330		7.220		
30.0		5.34	0.5	333		7.190		
50.0		4.10	0.6	331		7.190	88.0	
75.0		4.09	0.9	332		7.180		
91.0		4.07	2.1	333		7.190	89.0	

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.70			0.002	0.002	0.004	0.390	
10.0	9.00			0.002	0.002	0.004		
20.0	8.80			0.121	0.004	0.125		
30.0	10.20			0.211	0.004	0.215		
50.0	11.60			0.238	0.002	0.240	0.210	
75.0	11.40			0.263	0.002	0.265		
91.0	10.20			0.262	0.003	0.265	0.260	

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.0	0.150	132.0	0.005	12.38	100E00	000E00	100E01
10.0	27.0	0.120				400E00		
20.0	26.5	0.270						
30.0	26.5	0.350						
50.0	26.0	0.520	135.0			100E00		
75.0	26.0	1.000						
91.0	26.5	1.000	137.6			000E00	000E00	600E00

DEPTH	SPC 20	SPC 35
1.0	120E02	460E01
10.0		
20.0		
30.0		
50.0		
75.0		
91.0	800E01	200E01

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

LAT 43-17-00N
LON 079-09-00W

YEAR 1967
MONTH 09
DAY 17
TIME 0943

NO. DEPTHS 03
SOUNDING 0150
BT SLIDE NO 011

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		17.71	0.7	323		7.470		
10.0		15.91	0.9	325		7.440		
13.0		14.42	0.8	330		7.340		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	8.50			0.002	0.002	0.004		
10.0	8.70			0.006	0.004	0.010		
13.0	8.10			0.020	0.005	0.045	0.500	

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.0	0.150		0.001	6.17	620E01		600E00
10.0	27.0	0.170				200E01		
13.0	27.0	0.250				600E01	190E01	200E00

DEPTH	SPC 20	SPC 35
1.0	900E02	160E03
10.0		
13.0	510E02	220E02

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

LAT 43-19-00N
LON 078-59-00W

YEAR 1967
MONTH 09
DAY 17
TIME 1046

NO. DEPTHS 03
SOUNDING 0150
BT SLIDE NO 012

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		19.22	0.8	321		7.520		
10.0		18.03	0.8	324		7.540		
13.0		16.75	0.8	322		7.120		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	9.30			0.002	0.003	0.005	0.500	
10.0	8.70			0.002	0.003	0.005		
13.0	8.70			0.006	0.004	0.010	0.410	

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.0	0.140		0.001	10.04	250E01	300E01	600E00
10.0	27.0	0.170				300E01		
13.0	27.0	0.200				160E01	280E01	000E00

DEPTH	SPC 20	SPC 35
1.0	900E02	430E03
10.0		
13.0	360E02	480E02

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

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

YEAR 1967
MONTH 09
DAY 17
TIME 1203

NO. DEPTHS 04
SOUNDING 0330
BT SLIDE NO 013

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.5	19.14	0.4	324	1.4	7.770	85.5	
10.0		17.64	1.0	324		7.640		
20.0		11.18	1.1	330		7.210		
30.0		7.40	1.5	330	1.2	7.190	86.5	

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	9.45	0.040		0.006	0.004	0.010	0.400	
10.0	8.72			0.008	0.004	0.012		
20.0	7.90			0.140	0.005	0.145		
30.0	8.85			0.115	0.005	0.220	0.400	

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	25.0	0.130	138.4	0.003	10.39	120E01	800E00	100E01
10.0	25.0	0.280						
20.0	25.0	0.530						
30.0	24.5	0.650	136.8			100E01	100E01	100E01

DEPTH	SPC 20	SPC 35
1.0	140E03	280E03
10.0		
20.0		
30.0	160E02	900E02

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

LAT 43-25-00N
LON 078-50-00W

YEAR 1967
MONTH 09
DAY 17
TIME 1302

NO. DEPTHS 08
SOUNDING 1143
BT SLIDE NO 014

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	4.0	18.55	0.9	320		7.910	79.5	
10.0		16.53	0.8	325		7.330		
20.0		5.19	0.9	334		7.280		
30.0		4.14	0.7	332		7.310		
50.0		4.02	1.0	330		7.350		
75.0		4.05	0.6	332		7.310		
100.0		3.92	1.0	340		7.020		
112.0		3.92		340		7.120	86.0	

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.00			0.003	0.002	0.005	0.410	
10.0	9.43			0.011	0.004	0.015		
20.0	10.90			0.214	0.006	0.220		
30.0	11.81			0.240	0.002	0.242		
50.0	12.08			0.232	0.001	0.233	0.275	
75.0	11.69			0.248	0.002	0.250		
100.0	9.65			0.267	0.003	0.270		
112.0	10.60			0.263	0.007	0.270	0.320	

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.0	0.120	131.5	0.000	9.10			
10.0	26.6	0.210				000E00		
20.0	26.0	0.420						
30.0	26.0	0.470						
50.0	26.2	0.480				200E00		
75.0	26.2	0.620						
100.0	26.5	1.240						
112.0	27.5	1.300	137.8					200E00

DEPTH	SPC 20	SPC 35
1.0		
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
112.0	820E01	320E01

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

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

YEAR 1967
MONTH 09
DAY 17
TIME 1403

NO. DEPTHS 08
SOUNDING 1384
BT SLIDE NO 015

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	4.5	18.79	0.7	327		8.500	83.5	
10.0		17.84	1.1	324		8.590		
20.0		6.24	0.8	329		8.100		
30.0		4.14	0.4	327		8.080		
50.0		3.98	0.7	329		8.120	87.5	
75.0		3.91	0.7	329		8.160		
100.0		3.77	0.7	327		8.150		
136.0		3.73	0.8	336		8.090	87.5	

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.20			0.000	0.002	0.002	0.375	
10.0	9.36			0.000	0.002	0.002		
20.0	11.30			0.175	0.002	0.177		
30.0	12.08			0.224	0.001	0.225		
50.0	12.43			0.219	0.001	0.220	0.230	
75.0	12.50			0.224	0.001	0.225		
100.0	12.00			0.224	0.001	0.225		
136.0	11.40			0.244	0.002	0.245	0.270	

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.0	0.220	132.2	0.001	7.58	000E00		000E00
10.0	27.0	0.130				000E00		
20.0	26.0	0.360						
30.0	26.4	0.420						
50.0	26.4	0.440	135.0			000E00		
75.0	26.4	0.430						
100.0	26.4	0.690						
136.0	26.4	1.260	137.0			000E00		000E00

DEPTH	SPC 20	SPC 35
1.0	740E01	420E01
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
136.0	600E01	500E01

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

LAT 43-35-00N
LON 078-55-00W

YEAR 1967
MONTH 09
DAY 17
TIME 1503

NO. DEPTHS 08
SOUNDING 1329
BT SLIDE NO 016

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	4.0	18.68	0.9	323	1.4	8.710		
10.0		16.46	1.0	322		8.550	82.5	
20.0		4.18	1.0	332		8.160	87.0	
30.0		4.00	1.1	327		8.070	85.0	
50.0		3.93	0.8	327	0.5	8.110	69.0	
75.0		3.90	1.0	327		8.070	91.0	
100.0		3.81	0.8	332		8.070	87.5	
131.0		3.70		337	0.9	7.990	79.0	

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.43	0.025		0.000	0.002	0.002	0.385	
10.0	9.69			0.000	0.002	0.002		
20.0	12.08			0.219	0.001	0.220		
30.0	11.98			0.219	0.001	0.220		
50.0	12.56	0.047		0.214	0.001	0.215	0.350	
75.0	12.51			0.219	0.000	0.220		
100.0	12.86			0.216	0.000	0.217	0.300	
131.0				0.229	0.013	0.242	0.400	

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.0	0.100	131.5	0.003	7.81	000E00		200E00
10.0	27.0	0.080	131.4			000E00		
20.0	26.4	0.490	134.6					
30.0	26.6	0.360	134.5					
50.0	26.5	0.420	135.0			000E00		
75.0	26.5	0.450	134.5					
100.0	26.6	0.380	135.0					
131.0	30.4		130.5			000E00		000E00

DEPTH	SPC 20	SPC 35
1.0	700E01	140E01
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
131.0	280E01	100E01

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

LAT 43-39-00N
LON 078-57-00W

YEAR 1967
MONTH 09
DAY 17
TIME 1606

NO. DEPTHS 08
SOUNDING 1173
BT SLIDE NO 017

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	4.5	18.13	1.5	321		8.590	82.5	
10.0		13.66	0.3	328		8.420		
20.0		5.02	0.5	333		8.160		
30.0		4.13	0.5	332		8.080		
50.0		3.97	0.5	333		8.160	78.5	
75.0		3.91	0.5	331		8.150		
100.0		3.77	1.1	333		8.290		
115.0		3.76	3.0	334		7.980	82.0	

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.11			0.000	0.002	0.002	0.390	
10.0	9.60			0.008	0.002	0.010		
20.0	11.80			0.208	0.002	0.210		
30.0	12.10			0.223	0.002	0.225		
50.0	12.30			0.227	0.001	0.228	0.290	
75.0	12.22			0.216	0.001	0.217		
100.0	12.08			0.226	0.001	0.227		
115.0	11.98			0.226	0.004	0.230	0.320	

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.5	0.320	127.5	0.000	5.94	000E00		500E00
10.0	27.5	0.180				000E00		
20.0	27.0	0.370						
30.0	27.0	0.400						
50.0	27.0	0.380	131.6			000E00		
75.0	27.2	0.460						
100.0	27.2	0.790						
115.0	27.6	0.990	130.8			000E00		000E00

DEPTH	SPC 20	SPC 35
1.0	300E01	130E01
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
115.0	500E01	600E00

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

LAT 43-44-00N
LON 078-59-00W

YEAR 1967
MONTH 09
DAY 17
TIME 1701

NO. DEPTHS 07
SOUNDING 0804
BT SLIDE NO 018

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	4.0	18.30	1.0	315		8.670	78.5	
10.0		16.97	0.5	319		8.500		
20.0		13.80	0.5	327		8.380		
30.0		7.42	0.5	333		8.080		
50.0		4.06	0.4	334		8.120	82.5	
75.0		3.87	0.5	335		8.110		
78.0		3.84	2.5	335		8.110	84.0	

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.30			0.000	0.002	0.002	0.350	
10.0	9.92			0.000	0.002	0.002		
20.0	9.80			0.025	0.003	0.028		
30.0	9.72			0.148	0.004	0.152		
50.0	12.05			0.222	0.001	0.223	0.290	
75.0	11.73			0.242	0.001	0.243		
78.0	11.80			0.238	0.002	0.240	0.350	

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.6	0.250	127.0	0.000	6.41	000E00		100E00
10.0	27.6	0.210				000E00		
20.0	27.5	0.260						
30.0	27.3	0.270						
50.0	27.0	0.340	131.8			000E00		
75.0	27.0	0.690						
78.0	27.0	0.720	133.0			000E00		200E01

DEPTH	SPC 20	SPC 35
1.0	310E01	500E00
10.0		
20.0		
30.0		
50.0		
75.0		
78.0	370E01	830E01

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

LAT 43-48-00N
LON 079-02-00W

YEAR 1967
MONTH 09
DAY 17
TIME 1736

NO. DEPTHS 03
SOUNDING 0160
BT SLIDE NO 019

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.5	18.74	1.6	320	1.8	8.700	79.0	
10.0		17.54	0.7	322		8.710		
15.0		17.33	0.7	323	1.4	8.700	79.5	

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.41	0.040		0.000	0.002	0.002	0.375	
10.0	9.90			0.000	0.002	0.002		
15.0	10.10			0.000	0.002	0.002	0.350	

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	28.0	0.310	128.5		7.11			
10.0	27.8	0.150						
15.0	27.6	0.180	128.5					

DEPTH	SPC 20	SPC 35
1.0		
10.0		
15.0		

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

LAT 43-51-00N
LON 078-41-00W

YEAR 1967
MONTH 09
DAY 17
TIME 1935

NO. DEPTHS 04
SOUNDING 0268
BT SLIDE NO 020

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	4.0	19.72	0.8	315		8.660	80.0	
10.0		18.53	0.8	319		8.670		
20.0		16.22	0.6	322		8.540		
26.0		13.83	0.8	329		8.330	82.0	

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	9.70	0.030		0.000	0.002	0.002	0.410	
10.0	9.72			0.000	0.002	0.002		
20.0	9.25			0.000	0.002	0.002		
26.0	9.00			0.056	0.004	0.060	0.375	

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.6	0.130	130.5	0.000	6.88	000E00	000E00	200E00
10.0	27.6	0.150				000E00		
20.0	27.6	0.180						
26.0	27.6	0.360	132.0			100E00	000E00	600E00

DEPTH	SPC 20	SPC 35
1.0	370E01	200E01
10.0		
20.0		
26.0	410E01	220E01

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

LAT 43-53-00N
LON 078-32-00W

YEAR 1967
MONTH 09
DAY 17
TIME 2032

NO. DEPTHS 03
SOUNDING 0170
BT SLIDE NO 021

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.5	18.57	1.0	315		8.350	79.5	
10.0		18.50	1.5	316		8.500		
15.0		18.26	1.5	316		8.400	88.5	

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.00			0.000	0.002	0.002	0.450	
10.0	9.70			0.000	0.002	0.002		
15.0	9.40			0.000	0.002	0.002	0.410	

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	28.0	0.310	130.5		6.76			
10.0	28.2	0.400						
15.0	28.2	0.180	130.5					

DEPTH	SPC 20	SPC 35
1.0		
10.0		
15.0		

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

LAT 43-47-00N
LON 078-30-00W

YEAR 1967
MONTH 09
DAY 17
TIME 2131

NO. DEPTHS 06
SOUNDING 0783
BT SLIDE NO 022

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	4.0	18.78	1.0	301		8.600		
10.0		17.86	1.0	315		8.600		
20.0		10.91	0.9	320		8.200		
30.0		5.47	1.0	323		8.000		
50.0		4.62	0.8	338		7.900	87.0	
75.0		4.03		330		7.950	87.5	

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.40		0.020	0.000	0.001	0.001	0.325	0.305
10.0	9.88		0.045	0.000	0.001	0.001		
20.0	9.97		0.150	0.013	0.002	0.015		
30.0	9.60		0.030	0.221	0.002	0.223		
50.0	10.40		0.025	0.243	0.002	0.245	0.285	0.260
75.0	10.99		0.035	0.252	0.003	0.255	0.300	0.265

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.2	0.280		0.002	6.29	000E00		200E00
10.0	27.4	0.190				000E00		
20.0	26.5	0.120						
30.0	27.2	0.480						
50.0	27.0	0.540	135.8			000E00		
75.0	27.0	0.580	137.5			000E00		100E00

DEPTH	SPC 20	SPC 35
1.0	130E02	700E01
10.0		
20.0		
30.0		
50.0		
75.0	300E01	200E01

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

LAT 43-43-00N
LON 078-29-00W

YEAR 1967
MONTH 09
DAY 17
TIME 2216

NO. DEPTHS 08
SOUNDING 1088
BT SLIDE NO 023

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	4.0	19.52	1.2	315		8.650	81.5	
10.0		17.03	0.9	311		8.600		
20.0		5.93	1.4	318		8.100	83.0	
30.0		4.11	0.9	320		8.000		
50.0		4.02	0.7	321		8.000		
75.0		3.90	0.6	321		8.050		
100.0		3.78	1.3	328		8.000		
106.0		3.78	0.9	334		7.950	85.0	

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.40		0.005	0.000	0.001	0.001		
10.0	10.07		0.030	0.000	0.001	0.001		
20.0	11.08		0.040	0.160	0.002	0.162		
30.0	12.10		0.060	0.219	0.001	0.220	0.270	
50.0	12.40		0.015	0.216	0.001	0.217	0.265	
75.0	12.47		0.030	0.209	0.001	0.210		
100.0	10.73		0.045	0.264	0.001	0.265		
106.0	10.53		0.040	0.265	0.002	0.267	0.250	

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.5	0.160	129.0	0.001	6.17	300E00		100E00
10.0	27.5	0.120				000E00		
20.0	26.8	0.180	130.8					
30.0	26.5	0.260						
50.0	26.4	0.280				000E00		
75.0	26.6	0.300						
100.0	27.0	1.210						
106.0	27.0	1.330	137.8			000E00		200E00

DEPTH	SPC 20	SPC 35
1.0	740E01	220E01
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
106.0	560E01	100E01

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

LAT 43-38-00N
LON 078-28-00W

YEAR 1967
MONTH 09
DAY 17
TIME 2310

NO. DEPTHS 18
SOUNDING 1420
BT SLIDE NO 024

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.5	19.50	0.7	322	1.4	8.700	81.0	0.9
4.0		19.29	0.8	317		8.750	72.0	
7.0		18.96	0.9	319		8.750	81.0	
10.0		18.15	0.9	321		8.600	82.5	
13.0		16.91	0.9	320		8.400	82.5	
16.0		10.24	0.9	320		8.100		
19.0		5.63	1.1	321		8.000	79.0	
22.0		4.67	1.1	320		8.000	77.5	
25.0		4.27	0.8	326		7.950	82.5	
28.0		4.11	0.5	328		7.950	89.5	
31.0		4.05	1.2	321		7.930	77.0	
34.0		4.01	0.6	321		7.960		
37.0		4.02	0.6	324		7.960	84.0	
40.0		4.01	0.7	323		8.000		
50.0		3.99	0.6	324	0.3	8.000	89.5	
75.0		3.87	0.5	323		8.020	88.5	
100.0		3.85	0.6	327		8.040	89.0	1.0
140.0		3.71	1.3	328	0.3	8.000		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.67	0.060	0.816	0.000	0.001	0.001	0.375	0.325
4.0	10.70		0.030	0.000	0.001	0.001	0.325	0.295
7.0	10.70		0.035	0.001	0.001	0.001	0.330	0.295
10.0	9.54		0.030	0.001	0.001	0.001	0.325	0.295
13.0	8.72		0.045	0.000	0.001	0.001	0.315	0.270
16.0	10.22		0.050	0.099	0.001	0.100	0.315	0.265
19.0	11.14		0.055	0.174	0.001	0.175	0.270	0.215
22.0	11.73		0.035	0.199	0.001	0.200	0.275	0.240
25.0	11.90		0.035	0.210	0.002	0.212	0.375	0.340
28.0	12.05			0.218	0.002	0.220	0.340	
31.0	11.78			0.239	0.001	0.240	0.465	
34.0	12.05			0.236	0.001	0.237	0.450	
37.0	11.92			0.235	0.001	0.236	0.380	
40.0	12.12			0.229	0.001	0.230	0.410	
50.0	12.20	0.060		0.229	0.001	0.230	0.320	
75.0	12.36			0.219	0.001	0.220	0.375	
100.0	12.45			0.209	0.001	0.210	0.325	
140.0	11.04	0.130	0.050	0.239	0.001	0.240	0.315	0.265

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF CCL	MF FCO	MF STR
1.0	27.5	0.100	131.8	0.015	8.16	120E01		500E00
4.0	27.5	0.200	131.0					
7.0	27.5	0.180	130.0					
10.0	27.4	0.230	130.8			000E00		
13.0	27.4	0.210	131.5					
16.0	27.2	0.280						
19.0	27.3	0.370	135.0					
22.0	27.2	0.430	135.5					
25.0	27.4	0.350	135.5					
28.0	27.2	0.390	135.0					
31.0	26.8	0.420	134.5					
34.0	27.0	0.430						
37.0	27.0	0.420	135.5					
40.0	27.0	0.470	136.0					
50.0	27.2	0.500	134.1			000E00		
75.0	27.2	0.420	132.4					
100.0	27.5	0.370	132.2					
140.0	27.5	1.450				000E00		110E01

DEPTH	SPC 20	SPC 35
1.0	460E01	270E01
4.0		
7.0		
10.0		
13.0		
16.0		
19.0		
22.0		
25.0		
28.0		
31.0		
34.0		
37.0		
40.0		
50.0		
75.0		
100.0		
140.0	760E01	160E01

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	198.0	89.8	27.6	39.600	7.900	1.300	12.600
4.0							
7.0							
10.0							
13.0							
16.0							
19.0							
22.0							
25.0							
28.0							
31.0							
34.0							
37.0							
40.0							
50.0	194.0	93.7	27.3	41.600	7.800	1.300	12.400
75.0							
100.0							
140.0	196.0	89.8	27.4	39.200	7.800	1.700	12.400

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

LAT 43-33-00N
LON 078-28-00W

YEAR 1967
MONTH 09
DAY 18
TIME 0121

NO. DEPTHS 09
SOUNDING 1692
BT SLIDE NO 025

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0			0.6	315		8.660		
10.0		18.18	0.7	317		8.450		
20.0		6.12	0.9	317		8.020		
30.0		4.04	0.8	318		8.050		
50.0		3.96	0.5	321		8.080		
75.0		3.89	0.6	324		8.070		
100.0		3.84	0.4	324		8.080		
150.0		3.72	0.5	324		8.110		
167.0		3.71	0.7	333		8.000		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.04		0.030	0.000	0.001	0.001	0.340	0.310
10.0	8.93		0.035	0.000	0.002	0.002		
20.0	10.71		0.050	0.185	0.002	0.187		
30.0	12.20		0.050	0.254	0.001	0.255		
50.0	12.17		0.025	0.224	0.001	0.225	0.260	0.235
75.0	12.38		0.035	0.224	0.001	0.225		
100.0	12.44		0.035	0.219	0.001	0.220		
150.0	12.40		0.055	0.209	0.001	0.210		
167.0	10.47		0.030	0.259	0.001	0.260	0.260	0.230

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	28.4	0.200		0.001	7.46	000E00		000E00
10.0	27.5	0.120				000E00		
20.0	27.2	0.300						
30.0	27.0	0.420						
50.0	27.2	0.420				000E00		
75.0	27.2	0.450						
100.0	27.2	0.440						
150.0	27.2	0.530						
167.0	27.4					000E00		100E00

DEPTH	SPC 20	SPC 35
1.0	100E01	260E01
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
150.0		
167.0	180E01	200E01

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

LAT 43-28-00N
LON 078-27-00W

YEAR 1967
MONTH 06
DAY 18
TIME 0226

NO. DEPTHS 08
SOUNDING 1469
BT SLIDE NO 026

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		18.72	0.7	315		8.680		
10.0		11.92	1.0	315		8.120		
20.0		5.41	0.6	315		8.050		
30.0		4.26	0.7	316		8.060		
50.0		4.01	0.6	322		8.040		
75.0		3.93	0.5	324		8.040		
100.0		3.82	0.5	322		8.020		
145.0		3.76	0.7	329		7.890		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	11.93		0.025	0.003	0.002	0.005	0.340	0.315
10.0	9.15		0.060	0.127	0.003	0.130		
20.0	11.68		0.065	0.208	0.002	0.210		
30.0	12.14		0.050	0.229	0.001	0.230		
50.0	12.30		0.040	0.229	0.001	0.230	0.290	0.250
75.0	12.40		0.065	0.299	0.001	0.200		
100.0	12.38		0.015	0.209	0.001	0.210		
145.0			0.060	0.239	0.001	0.240	0.375	0.315

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.0	0.490		0.001	7.93	000E00		000E00
10.0	26.6	0.270				000E00		
20.0	26.2	0.390						
30.0	26.0	0.420						
50.0	26.0	0.400				000E00		
75.0	27.0	0.440						
100.0	26.4	0.570						
145.0	26.4	1.310				400E00		000E00

DEPTH	SPC 20	SPC 35
1.0	230E01	380E01
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
145.0	580E01	150E01

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

LAT 43-24-00N
LON 078-26-00W

YEAR 1967
MONTH 09
DAY 18
TIME 0334

NO. DEPTHS 05
SOUNDING 0445
BT SLIDE NO 027

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		19.41	0.7	320		8.710		
10.0		17.84	0.9	321		8.420		
20.0		11.81	1.2	335		8.020		
30.0		6.91	1.7	335		7.990		
43.0		5.47	0.8	332		7.940		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.35		0.035	0.000	0.003	0.003	0.350	0.315
10.0	8.72		0.045	0.003	0.002	0.005		
20.0	8.40		0.095	0.130	0.005	0.135		
30.0	9.97		0.025	0.286	0.004	0.290		
43.0	10.35		0.020	0.237	0.003	0.240	0.260	0.240

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	26.6	0.370		0.004	10.62	800E00	000E00	000E00
10.0	26.8	0.240				300E00		
20.0	26.6	0.480						
30.0	26.2	0.600						
43.0	26.2	0.620				100E00	000E00	000E00

DEPTH	SPC 20	SPC 35
1.0	450E01	550E02
10.0		
20.0		
30.0		
43.0	580E01	520E01

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

LAT 43-23-00N
LON 078-00-00W

YEAR 1967
MONTH 09
DAY 18
TIME 0541

NO. DEPTHS 03
SOUNDING 0180
BT SLIDE NO 028

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		18.41	0.8	335	1.0	8.690		
10.0		16.22	1.3	339		8.430		
17.0		12.82	1.2	338	1.1	8.270		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.35	0.032	0.010	0.002	0.003	0.005	0.335	0.325
10.0	9.35		0.025	0.038	0.002	0.040		
17.0	9.60		0.020	0.099	0.004	0.103	0.335	0.315

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.0	0.140		0.003	9.92	000E00	000E00	200E00
10.0	27.0	0.180				000E00		
17.0	26.6	0.270				000E00		400E00

DEPTH	SPC 20	SPC 35
1.0	900E00	280E01
10.0		
17.0	100E02	170E02

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

LAT 43-28-00N
LON 078-00-00W

YEAR 1967
MONTH 09
DAY 18
TIME 0645

NO. DEPTHS 08
SOUNDING 1359
BT SLIDE NO 029

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		18.37	0.8	317		8.670		
10.0		9.27	0.7	329		8.110		
20.0		4.86	0.7	331		8.070		
30.0		4.08	0.7	333		8.090		
50.0		3.98	0.7	328		8.100		
75.0		3.92	0.7	328		8.130		
100.0		3.85	0.6	328		8.110		
134.0		3.87	0.8	333		8.000		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.97		0.005	0.000	0.002	0.002	0.300	0.295
10.0	9.96		0.010	0.166	0.004	0.170		
20.0	11.70		0.015	0.299	0.001	0.230		
30.0	11.93		0.005	0.234	0.001	0.235		
50.0	12.30		0.005	0.224	0.001	0.225	0.255	0.250
75.0	12.37			0.214	0.001	0.215		
100.0	12.15		0.015	0.214	0.001	0.215		
134.0	10.35		0.010	0.264	0.001	0.265	0.280	0.270

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.5	0.190		0.002	11.33			500E00
10.0	26.4	0.220				160E01		
20.0	26.2	0.330						
30.0	26.2	0.300						
50.0	26.5	0.400				000E00		
75.0	26.5	0.410						
100.0	26.3	0.490						
134.0	26.3	1.410				000E00		200E00

DEPTH	SPC 20	SPC 35
1.0	650E01	600E01
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
134.0	130E02	100E02

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

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

YEAR 1967
MONTH 09
DAY 18
TIME 0750

NO. DEPTHS 09
SOUNDING 1761
BT SLIDE NO 030

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		19.71	0.8	320		8.690		
10.0		18.89	0.6	323		8.670		
20.0		11.87	0.5	331		8.220		
30.0		4.22	0.6	335		8.170		
50.0		3.99	0.8	335		8.190		
75.0		3.94	0.7	336		8.180		
100.0		3.84	0.8	336		8.180		
150.0		3.77	0.9	340		8.170		
174.0		3.80	0.8	340		8.030		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.42		0.080	0.000	0.002	0.002	0.325	0.245
10.0	9.77		0.065	0.000	0.006	0.006		
20.0	9.08		0.085	0.103	0.002	0.105		
30.0	11.59		0.035	0.233	0.002	0.235		
50.0	10.82		0.070	0.228	0.002	0.230	0.390	0.320
75.0	11.98		0.080	0.233	0.002	0.235		
100.0	12.20		0.090	0.218	0.002	0.220	0.210	0.120
150.0	12.29		0.085	0.247	0.003	0.250		
174.0	9.27		0.070	0.272	0.003	0.275		

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	26.6	0.840		0.002	11.79	000E00		300E00
10.0	26.4	0.670				000E00		
20.0	26.3	0.440						
30.0	26.0	0.620						
50.0	26.2	0.800				000E00		
75.0	26.2	0.800						
100.0	26.1	0.620						
150.0	26.4	0.600						
174.0	26.2					000E00		200E00

DEPTH	SPC 20	SPC 35
1.0	560E01	400E01
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
150.0		
174.0	440E01	270E01

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

LAT 43-40-00N
LON 078-00-00W

YEAR 1967
MONTH 09
DAY 18
TIME 0856

NO. DEPTHS 09
SOUNDING 1594
BT SLIDE NO 031

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		19.06	0.6	315	1.1	8.680		
10.0		18.29	0.8	315		8.670		
20.0		5.48	0.7	315		8.210		
30.0		4.32	0.5	330		8.130		
50.0		3.98	1.5	329	0.5	8.160		
75.0		3.92	1.2	329		8.160		
100.0		3.86	1.0	331		8.120		
150.0		3.74	1.1	335		8.110		
158.0		3.74	1.7	335	0.8	8.080		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.07	0.022	0.070	0.000	0.002	0.002	0.275	0.205
10.0	9.96		0.070	0.003	0.002	0.005		
20.0	10.70		0.100	0.118	0.002	0.120		
30.0	11.67		0.110	0.213	0.002	0.215		
50.0	12.15	0.047	0.075	0.208	0.002	0.210	0.350	0.275
75.0	12.30		0.100	0.213	0.002	0.215		
100.0	12.42		0.060	0.208	0.002	0.210		
150.0	11.60		0.075	0.223	0.002	0.225		
158.0	11.22		0.080	0.223	0.002	0.225	0.185	0.105

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	26.5	0.630		0.003	7.93	000E00		000E00
10.0	26.5	0.460				300E00		
20.0	26.2	0.350						
30.0	25.8	0.530						
50.0	25.9	0.790				000E00		
75.0	26.0	0.650						
100.0	26.4	0.420						
150.0	26.5	1.060						
158.0	26.5	1.240				000E00		000E00

DEPTH	SPC 20	SPC 35
1.0	190E01	260E01
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
150.0		
158.0	150E01	210E01

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

LAT 43-46-00N
LON 078-00-00W

YEAR 1967
MONTH 09
DAY 18
TIME 1010

NO. DEPTHS 08
SOUNDING 1060
BT SLIDE NO 032

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		18.90	1.0	313		8.730		
10.0		18.06	1.0	315		8.770		
20.0		10.58	1.0	323		8.170		
30.0		4.21	0.8	326		8.130		
50.0		4.00	1.2	326		8.130		
75.0		3.90	1.0	325		8.190		
100.0		3.76	1.0	329		8.060		
104.0		3.74	1.1	329		8.060		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.30		0.050	0.000	0.002	0.002	0.290	0.240
10.0	10.36		0.055	0.000	0.002	0.002		
20.0	9.85		0.065	0.072	0.003	0.075		
30.0	11.60		0.050	0.193	0.002	0.195		
50.0	12.11		0.065	0.204	0.001	0.205	0.245	0.180
75.0	12.40		0.070	0.204	0.001	0.205		
100.0	11.00		0.085	0.233	0.002	0.235		
104.0	10.78		0.055	0.233	0.002	0.235	0.235	0.180

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.1	0.460		0.003	7.70	000E00		200E00
10.0	27.0	0.410				000E00		
20.0	26.4	0.430						
30.0	26.0	0.410						
50.0	26.1	0.400				000E00		
75.0	26.3	0.340						
100.0	26.5	1.280						
104.0	26.4	1.300				000E00		000E00

DEPTH	SPC 20	SPC 35
1.0	300E01	220E01
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
104.0	360E01	200E01

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

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

YEAR 1967
MONTH 09
DAY 18
TIME 1112

NO. DEPTHS 06
SOUNDING 0549
BT SLIDE NO 033

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	4.0	18.65	0.8	319		8.790		
10.0		17.51	0.5	337		8.670		
20.0		13.05	0.4	337		8.250		
30.0		7.70	0.4	337		8.050		
50.0		4.58	0.8	338		8.120		
53.0		4.57	1.0	339		8.340		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.12		0.060	0.000	0.002	0.002	0.470	0.410
10.0	9.55		0.065	0.000	0.002	0.002		
20.0	8.52		0.055	0.081	0.004	0.085		
30.0	9.05		0.085	0.182	0.003	0.185		
50.0	10.52		0.070	0.227	0.003	0.230		
53.0	10.40		0.050	0.222	0.003	0.225	0.250	0.200

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	26.6	0.550		0.001	7.81	400E00		100E00
10.0	26.7	0.540				200E00		
20.0	27.1	0.580						
30.0	26.8	0.670						
50.0	26.6	0.690				100E00		
53.0	26.5	0.630				300E00		000E00

DEPTH	SPC 20	SPC 35
1.0	460E01	260E01
10.0		
20.0		
30.0		
50.0		
53.0	180E01	120E01

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

LAT 43-57-00N
LON 078-00-00W

YEAR 1967
MONTH 09
DAY 18
TIME 1157

NO. DEPTHS 03
SOUNDING 0230
BT SLIDE NO 034

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.5	19.27	0.8	313	1.1	8.640		
10.0		18.78	0.5	309		8.050		
20.0					0.8			

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	9.50	0.042	0.060	0.003	0.002	0.005	0.455	0.395
10.0	9.25		0.070	0.000	0.002	0.002		
20.0							0.370	0.305

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.5	0.430			7.58			
10.0	27.5	0.270						
20.0								

DEPTH	SPC 20	SPC 35
1.0		
10.0		
20.0		

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

LAT 43-56-00N
LON 077-39-00W

YEAR 1967
MONTH 09
DAY 18
TIME 1409

NO. DEPTHS 04
SOUNDING 0280
BT SLIDE NO 035

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	4.0	19.38	0.4	325		8.560		
10.0		19.22	0.6	321		8.540		
20.0		16.42	0.3	329		8.240		
26.0		8.44	0.4	336		8.050		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	9.50		0.037	0.000	0.002	0.002	0.400	0.363
10.0	9.50		0.040	0.000	0.001	0.001		
20.0	8.00		0.037	0.044	0.006	0.050		
26.0	8.80		0.028	0.206	0.004	0.210	0.325	0.297

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	28.5	0.150		0.002	6.41	000E00	000E00	800E00
10.0	28.5	0.300				000E00		
20.0	28.6	0.400						
26.0	28.3	0.660				400E00	000E00	400E00

DEPTH	SPC 20	SPC 35
1.0	140E01	350E01
10.0		
20.0		
26.0	130E01	200E01

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

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

YEAR 1967
MONTH 09
DAY 18
TIME 1514

NO. DEPTHS 02
SOUNDING 0290
BT SLIDE NO 036

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	4.5	19.46	0.5	319		8.650		
10.0		19.10	0.4	322		8.620		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	9.30		0.019	0.000	0.001	0.001	0.330	0.311
10.0	9.20		0.025	0.004	0.001	0.005		

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	28.9	0.200		0.002	6.76	000E00	000E00	000E00
10.0	28.9	0.200				000E00		

DEPTH	SPC 20	SPC 35
1.0	230E01	280E01
10.0		

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

LAT 43-48-00N
LON 077-30-00W

YEAR 1967
MONTH 09
DAY 18
TIME 1618

NO. DEPTHS 06
SOUNDING 0555
BT SLIDE NO 035

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.5	19.95	0.6	316		8.620		
10.0		18.79	1.0	315		8.740		
20.0		11.22	0.6	322		8.090		
30.0		5.84	0.6	329		8.020		
50.0		4.33	0.9	329		8.070		
52.0		4.32	0.9	334		8.060		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	9.65		0.024	0.000	0.001	0.001	0.310	0.286
10.0	10.20		0.017	0.000	0.001	0.001		
20.0	7.90		0.016	0.163	0.002	0.165		
30.0	10.00		0.013	0.243	0.002	0.245		
50.0	11.15		0.013	0.248	0.002	0.250	0.250	0.237
52.0	11.20		0.015	0.248	0.002	0.250	0.260	0.245

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	28.7	0.150		0.003	6.29	000E00		000E00
10.0	28.2	0.230				000E00		
20.0	28.2	0.440						
30.0	28.1	0.500						
50.0	28.1	0.550						
52.0	28.1	0.590				000E00		400E00

DEPTH	SPC 20	SPC 35
1.0	130E01	180E01
10.0		
20.0		
30.0		
50.0		
52.0	800E00	230E01

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

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

YEAR 1967
MONTH 09
DAY 18
TIME 1708

NO. DEPTHS 07
SOUNDING 0808
BT SLIDE NO 038

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	4.5	19.62	0.8	316		8.710		
10.0		18.33	1.1	313		8.740		
20.0		7.39	0.9	318		8.100		
30.0		4.15	0.7	319		8.090		
50.0		3.94	0.8	321		8.120		
75.0		3.80	1.0	325		8.080		
79.0		3.77	1.1	329		8.050		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	9.65		0.017	0.000	0.001	0.001	0.340	0.323
10.0	10.40		0.020	0.000	0.001	0.001		
20.0	10.45		0.019	0.154	0.001	0.155		
30.0	12.00		0.022	0.244	0.001	0.245		
50.0	12.10		0.016	0.244	0.001	0.245	0.270	0.254
75.0	11.45		0.017	0.254	0.001	0.255		
79.0	11.35		0.019	0.249	0.001	0.250	0.280	0.261

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	28.2	0.110		0.002	6.99	000E00		000E00
10.0	28.1	0.190				000E00		
20.0	27.8	0.230						
30.0	29.9	0.300						
50.0	27.8	0.430				000E00		
75.0	28.0	0.960						
79.0	28.2	0.970				400E00		300E00

DEPTH	SPC 20	SPC 35
1.0	500E00	660E01
10.0		
20.0		
30.0		
50.0		
75.0		
79.0	200E01	120E02

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

LAT 43-38-00N
LON 077-30-00W

YEAR 1967
MONTH 09
DAY 18
TIME 1810

NO. DEPTHS 07
SOUNDING 1219
BT SLIDE NO 039

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	5.0	19.79	0.7	325	1.0	8.720		
10.0		18.74	1.0	322		8.670		
20.0		6.65	0.8	326		8.020		
30.0		4.18	0.8	325		8.080		
50.0		3.95	0.6	328	0.6	8.060		
75.0		3.88	0.5	335		7.900		
120.0					0.4			

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.10	0.040	0.016	0.000	0.001	0.001	0.300	0.284
10.0	10.10		0.017	0.000	0.001	0.001		
20.0	10.60		0.019	0.184	0.001	0.185		
30.0	12.05		0.015	0.244	0.001	0.245		
50.0	12.35	0.042	0.015	0.244	0.001	0.245	0.250	0.235
75.0	12.55		0.020	0.234	0.001	0.235		
120.0							0.250	0.231

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	32.9	0.130		0.010	7.81	000E00		900E00
10.0	33.0	0.130				000E00		
20.0	28.0	0.230						
30.0	28.0	0.390						
50.0	28.0	0.400				000E00		
75.0	28.1	0.400						
120.0								

DEPTH	SPC 20	SPC 35
1.0	120E01	360E01
10.0		
20.0		
30.0		
50.0		
75.0		
120.0		

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

LAT 43-33-00N
LON 077-30-00W

YEAR 1967
MONTH 09
DAY 18
TIME 1908

NO. DEPTHS 09
SOUNDING 1707
BT SLIDE NO 040

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	4.5	19.26	1.0	320		8.710		
10.0		18.04	0.9	321		8.450		
20.0		7.88	1.0	330		8.040		
30.0		5.05	1.7	332		8.090		
50.0		4.01	1.3	331		8.080		
75.0		3.92	1.5	331		8.110		
100.0		3.85	1.6	331		8.110		
150.0		3.74	1.0	331		8.100		
168.0		3.71	1.4	335		7.990		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	9.91			0.000	0.002	0.002	0.355	
10.0	8.82			0.000	0.002	0.002		
20.0	9.78			0.198	0.002	0.200	0.150	
30.0	11.36			0.224	0.001	0.225		
50.0	12.19			0.229	0.001	0.230		
75.0	12.18			0.214	0.001	0.215		
100.0	12.30			0.229	0.001	0.230		
150.0	12.00			0.234	0.001	0.235		
168.0	10.51			0.254	0.001	0.255		

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	33.4	0.150		0.006	7.11	000E00		100E00
10.0	33.3	0.100				000E00		
20.0	32.9	0.200						
30.0	32.8	0.330						
50.0	32.8	0.270				000E00		
75.0	32.8	0.390						
100.0	33.0	0.440						
150.0	32.9	0.580						
168.0	33.0					000E00		100E00

DEPTH	SPC 20	SPC 35
1.0	140E01	120E01
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
150.0		
168.0	320E01	440E01

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

LAT 43-27-00N
LON 077-30-00W

YEAR 1967
MONTH 09
DAY 18
TIME 2015

NO. DEPTHS 09
SOUNDING 1682
BT SLIDE NO 041

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	5.0	20.04	0.8	321		8.760		
10.0		18.69	1.0	321		8.500		
20.0		11.28	0.9	329		8.090		
30.0		5.34	1.1	327		8.120		
50.0		4.03	0.8	326		8.120		
75.0		3.95	0.7	328		8.130		
100.0		3.84	1.0	329		8.130		
150.0		3.71	1.8	331		8.060		
166.0		3.72	1.8	337		8.030		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.18		0.065	0.000	0.002	0.002	0.310	0.245
10.0	8.57		0.060	0.000	0.002	0.002		
20.0	8.96		0.080	0.170	0.005	0.175		
30.0	11.40		0.085	0.218	0.002	0.220		
50.0	12.20		0.070	0.224	0.001	0.225	0.260	0.190
75.0	12.38		0.060	0.224	0.001	0.225		
100.0	12.10		0.065	0.219	0.001	0.220		
150.0	10.90		0.060	0.239	0.001	0.240		
166.0	10.58		0.060	0.248	0.002	0.250	0.310	0.250

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.6	0.430		0.005	9.57	100E00		400E00
10.0	27.6	0.170				000E00		
20.0	26.5	0.210						
30.0	26.6	0.460						
50.0	26.4	0.500				000E00		
75.0	26.5	0.550						
100.0	26.7	0.490						
150.0	26.9	1.160						
166.0	27.0	1.630				100E00		110E01

DEPTH	SPC 20	SPC 35
1.0	210E02	130E02
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
150.0		
166.0	110E01	120E02

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

LAT 43-22-00N
LON 077-30-00W

YEAR 1967
MONTH 09
DAY 18
TIME 2115

NO. DEPTHS 08
SOUNDING 1170
BT SLIDE NO 042

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.5	19.83	1.5	321		8.710		
10.0		7.77	1.2	331		8.080		
20.0		5.94	1.1	332		8.040		
30.0		4.47	0.9	330		8.030		
50.0		4.00	0.9	330		8.070		
74.0		3.91	1.8	330		8.080		
99.0		3.93	1.8	332		8.050		
114.0		3.93		332		8.020		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.00		0.055	0.000	0.002	0.002	0.345	0.290
10.0	9.90		0.070	0.193	0.002	0.195		
20.0	10.80		0.065	0.218	0.002	0.220		
30.0	11.60		0.065	0.223	0.002	0.225		
50.0	12.14		0.060	0.214	0.001	0.215	0.275	0.215
74.0	12.20		0.065	0.214	0.001	0.215		
99.0	11.10		0.065	0.238	0.002	0.240		
114.0	10.95		0.065	0.232	0.008	0.240	0.280	0.215

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	28.7	0.360		0.008	9.22	000E00	000E00	400E00
10.0	26.7	0.400				120E01		
20.0	26.4	0.380						
30.0	26.5	0.340						
50.0	26.6	0.480				000E00		
74.0	26.6	0.520						
99.0	26.5	1.000						
114.0	27.2	1.000				000E00	000E00	220E01

DEPTH	SPC 20	SPC 35
1.0	220E02	000E02
10.0		
20.0		
30.0		
50.0		
74.0		
99.0		
114.0	700E01	

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

LAT 43-17-00N
LON 077-30-00W

YEAR 1967
MONTH 09
DAY 18
TIME 2206

NO. DEPTHS 04
SOUNDING 0320
BT SLIDE NO 043

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.0	19.43	1.4	318		8.730		
10.0		11.69	1.2	329		8.240		
20.0		11.08	1.1	326		8.180		
30.0		10.01	1.0	326		8.130		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.05		0.080	0.000	0.002	0.002	0.340	0.260
10.0	9.87		0.065	0.119	0.006	0.125		
20.0	10.02		0.055	0.135	0.005	0.140		
30.0	10.13		0.060	0.144	0.006	0.150	0.350	0.290

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.9	0.470		0.006	8.16	000E00	000E00	100E00
10.0	26.9	0.420				000E00		
20.0	26.9	0.390						
30.0	27.0	0.450				220E01	110E01	100E00

DEPTH	SPC 20	SPC 35
1.0	200E01	160E01
10.0		
20.0		
30.0	600E01	720E01

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

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

YEAR 1967
MONTH 09
DAY 19
TIME 0026

NO. DEPTHS 04
SOUNDING 0293
BT SLIDE NO 044

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		20.08	1.1	327	1.4	8.710		
10.0		18.07	1.8	334		8.600		
20.0		5.76	1.5	337		7.970		
26.0		5.52	1.3	332	1.0	7.960		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	9.89	0.039	0.035	0.000	0.002	0.002	0.335	0.300
10.0	9.73		0.060	0.000	0.002	0.002		
20.0	9.30		0.045	0.243	0.002	0.245		
26.0	10.20		0.085	0.243	0.002	0.245	0.300	0.215

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	32.0	0.150		0.006	9.10	500E00	100E00	200E00
10.0	34.6	0.140				000E00		
20.0	26.8	0.600						
26.0	26.9	0.620				230E01	000E00	200E00

DEPTH	SPC 20	SPC 35
1.0	500E01	120E02
10.0		
20.0		
26.0	130E02	900E01

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

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

YEAR 1967
MONTH 09
DAY 19
TIME 0128

NO. DEPTHS 07
SOUNDING 0786
BT SLIDE NO 045

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		20.12	0.5	323		8.700		
10.0		10.78	0.8	330		8.100		
20.0		7.33	1.2	330		8.050		
30.0		4.77	0.8	329		8.060		
50.0		4.07	1.2	331		8.010		
74.0		4.02	5.0	331		8.030		
76.0		3.98	0.3	332		8.010		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	9.78		0.075	0.000	0.002	0.002	0.340	0.265
10.0	9.00		0.040	0.138	0.002	0.140		
20.0	10.17		0.045	0.224	0.001	0.225		
30.0	11.32		0.035	0.234	0.001	0.235		
50.0	11.90		0.065	0.234	0.001	0.235	0.265	0.200
74.0	10.80		0.080	0.239	0.006	0.245		
76.0	8.01		0.090	0.241	0.004	0.245	0.240	0.150

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	29.4	0.160		0.009	9.22	000E00	100E00	200E01
10.0	27.7	0.300				400E00		
20.0	26.4	0.340						
30.0	26.4	0.310						
50.0	26.4	0.900				000E00		
74.0	26.4	1.000						
76.0	26.6	1.040				000E00	260E01	220E01

DEPTH	SPC 20	SPC 35
1.0	220E01	360E01
10.0		
20.0		
30.0		
50.0		
74.0		
76.0	900E01	110E02

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

LAT 43-28-00N
LON 077-00-00W

YEAR 1967
MONTH 09
DAY 19
TIME 0324

NO. DEPTHS 20
SOUNDING 2103
BT SLIDE NO 046

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		19.82	1.3	323	1.3	8.680		1.4
4.0		19.81	0.8	320		8.700		
7.0		19.83	0.7	320		8.710		
10.0		19.84	0.8	320		8.690		
13.0		19.73	0.8	320		8.680		
16.0		18.88	1.4	324		8.440		
19.0			0.6	324		8.380		
22.0			0.6	324		8.380		
25.0			0.7	330		8.050		
28.0			0.5	331		8.060		
31.0		7.71	0.5	333		8.080		
34.0		6.85	0.3	333		8.090		
36.0		6.13	0.4	334		8.090		
39.0		5.65	0.4	335		8.090		
49.0		4.49	0.4	332	0.5	8.050		
74.0		3.96	0.4	332		8.090		
98.0		3.89	0.5	332		8.100		
148.0		3.81	0.5	334		8.100		
197.0		3.73	0.2	334		8.070		
205.0		3.69	0.2	330	0.3	8.010		2.4

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0		0.000	0.045	0.000	0.002	0.002	0.380	0.335
4.0	9.70		0.050	0.000	0.002	0.002	0.310	0.260
7.0	9.80		0.040	0.000	0.002	0.002	0.310	0.270
10.0	9.80		0.055	0.000	0.002	0.002	0.315	0.260
13.0	9.30		0.040	0.000	0.007	0.007	0.365	0.325
16.0	8.30		0.065	0.000	0.002	0.002	0.340	0.275
19.0	8.30		0.075	0.000	0.002	0.002	0.325	0.250
22.0	8.30		0.060	0.000	0.002	0.002	0.350	0.290
25.0	8.80		0.040	0.123	0.002	0.125	0.295	0.255
28.0	9.60		0.060	0.164	0.001	0.165	0.295	0.235
31.0	10.60		0.050	0.164	0.001	0.165	0.350	0.300
34.0	10.80		0.055	0.199	0.001	0.200	0.270	0.215
36.0	11.20		0.075	0.214	0.001	0.215	0.270	0.195
39.0	11.50		0.075	0.214	0.001	0.215	0.280	0.205
49.0	11.90	0.035	0.070	0.219	0.001	0.220	0.335	0.265
74.0	12.30		0.065	0.219	0.001	0.220	0.350	0.285
98.0	12.30		0.065	0.219	0.001	0.220	0.330	0.265
148.0	12.30		0.060	0.214	0.001	0.215	0.335	0.275
197.0	12.60		0.060	0.214	0.001	0.215		
205.0	11.60	0.100	0.090	0.224	0.001	0.225	0.275	0.185

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.4	0.150		0.005	10.27	000E00		
4.0	27.4	0.150						
7.0	27.5	0.140						
10.0	27.5	0.180				000E00		
13.0	27.5	0.230						
16.0	28.3	0.180						
19.0	27.4	0.160						
22.0	27.1	0.180						
25.0	26.6	0.210						
28.0	26.5	0.170						
31.0	26.9	0.210						
34.0	26.7	0.210						
36.0	26.9	0.290						
39.0	26.8	0.280						
49.0	26.5	0.420				000E00		
74.0	26.6	0.420						
98.0	26.5	0.400						
148.0	26.6	0.440						
197.0	26.6	0.590						
205.0	26.6	0.940				000E00		

DEPTH	SPC 20	SPC 35
1.0	130E01	480E01
4.0		
7.0		
10.0		
13.0		
16.0		
19.0		
22.0		
25.0		
28.0		
31.0		
34.0		
36.0		
39.0		
49.0		
74.0		
98.0		
148.0		
197.0		
205.0	700E00	310E01

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	192.0	86.9	28.0	38.400	7.800	1.400	12.800
4.0							
7.0							
10.0							
13.0							
16.0							
19.0							
22.0							
25.0							
28.0							
31.0							
34.0							
36.0							
39.0							
49.0	195.0	93.7	28.0	41.600	7.800	1.400	12.200
74.0							
98.0							
148.0							
197.0							
205.0	197.0	94.2	27.4	41.600	7.800	1.400	12.400

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

LAT 43-35-00N
LON 077-00-00W

YEAR 1967
MONTH 09
DAY 19
TIME 0639

NO. DEPTHS 08
SOUNDING 1719
BT SLIDE NO 047

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		19.50	1.1	320		8.450		
10.0		19.47	0.9	319		8.570		
20.0		18.15	0.5	320		8.410		
30.0		5.47	0.6	328		8.050		
50.0		3.93	0.3	333		8.070		
75.0		3.88	0.3	332		8.080		
100.0		3.82	0.3	332		8.100		
150.0		3.73	0.4	334		8.100		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	9.40		0.040	0.000	0.001	0.001	0.280	0.240
10.0	9.40		0.055	0.000	0.001	0.001		
20.0	8.70		0.040	0.000	0.001	0.001		
30.0	11.20		0.050	0.228	0.002	0.230		
50.0	12.06		0.050	0.228	0.002	0.230	0.200	0.150
75.0	12.28		0.045	0.223	0.002	0.225		
100.0	12.28			0.223	0.002	0.225		
150.0	11.80		0.050	0.233	0.002	0.235		

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.6	0.100		0.008	8.63	000E00		000E00
10.0	27.6	0.130				000E00		
20.0	27.5	0.150						
30.0	27.3	0.250						
50.0	27.2	0.380				000E00		
75.0	27.2	0.380						
100.0	27.2	0.360						
150.0	27.2	0.750						

DEPTH	SPC 20	SPC 35
1.0	340E01	200E01
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
150.0		

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

LAT 43-41-00N
LON 077-00-00W

YEAR 1967
MONTH 09
DAY 19
TIME 0744

NO. DEPTHS 08
SOUNDING 1201
BT SLIDE NO 048

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		19.52	0.4	319	1.1	8.550		
10.0		19.50	0.4	320		8.520		
20.0		16.87	0.2	322		8.300		
30.0		5.55	0.2	337		8.050		
50.0		4.16	0.3	337	0.6	8.060		
75.0		3.97	0.2	337		8.100		
100.0		3.86	0.3	330		8.120		
118.0		3.85	0.5	330	0.7	8.020		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	9.80	0.024	0.085				0.290	0.205
10.0	9.30		0.080	0.000	0.001	0.001		
20.0	8.44		0.045	0.000	0.002	0.002		
30.0	10.62		0.040	0.224	0.001	0.225		
50.0	11.92	0.047	0.055	0.234	0.001	0.235	0.340	0.285
75.0	12.17		0.075	0.229	0.001	0.230		
100.0	12.13		0.060	0.224	0.001	0.225		
118.0	10.12		0.060	0.254	0.001	0.255	0.210	0.150

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	28.5	0.110		0.009	8.40	000E00		000E00
10.0	28.5	0.160				000E00		
20.0	28.3	0.170						
30.0	28.1	0.190						
50.0	27.6	0.250				000E00		
75.0	27.4	0.410						
100.0	27.5	0.450						
118.0	27.9	1.500				000E00		200E00

DEPTH	SPC 20	SPC 35
1.0	540E01	350E01
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
118.0	140E02	580E01

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

LAT 43-46-00N
LON 077-00-00W

YEAR 1967
MONTH 09
DAY 19
TIME 0905

NO. DEPTHS 06
SOUNDING 0771
BT SLIDE NO 049

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		19.49	0.3	318		8.540		
10.0		19.47	0.4	319		8.550		
20.0		7.79	0.3	331		7.970		
30.0		5.07	0.3	330		8.030		
50.0		4.34	0.4	331		8.020		
75.0		3.93	3.0	335		8.000		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	9.20		0.050	0.000	0.001	0.001	0.280	0.230
10.0	9.10		0.050	0.000	0.001	0.001		
20.0	9.50		0.055	0.178	0.002	0.180		
30.0	10.80		0.055	0.233	0.002	0.235		
50.0	11.30		0.055	0.239	0.001	0.240	0.220	0.165
75.0	10.50		0.045	0.246	0.004	0.250	0.225	0.180

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.5	0.120		0.006	8.16	000E00		000E00
10.0	27.3	0.220				000E00		
20.0	27.0	0.160						
30.0	26.8	0.200						
50.0	26.5	0.530				000E00		
75.0	26.8	1.300				000E00		200E00

DEPTH	SPC 20	SPC 35
1.0	360E01	
10.0		
20.0		
30.0		
50.0		
75.0	310E01	110E02

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

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

YEAR 1967
MONTH 09
DAY 19
TIME 1007

NO. DEPTHS 03
SOUNDING 0170
BT SLIDE NO 050

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		18.50	1.1	324	0.6	8.420		
10.0		16.26	2.0	326		8.170		
15.0		5.33	0.8	334	1.1	7.980		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	8.70	0.020	0.055	0.000	0.001	0.001	0.265	0.210
10.0	8.20		0.055	0.043	0.002	0.045		
15.0	9.40		0.050	0.258	0.002	0.260	0.200	0.150

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.0	0.160		0.008	8.16	000E00	000E00	200E00
10.0	27.0	0.200				000E00		
15.0	27.0	1.040				000E00	000E00	200E00

DEPTH	SPC 20	SPC 35
1.0	340E01	320E01
10.0		
15.0	500E01	130E02

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

LAT 43-52-00N
LON 076-37-00W

YEAR 1967
MONTH 09
DAY 19
TIME 1203

NO. DEPTHS 05
SOUNDING 0380
BT SLIDE NO 051

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	5.0	19.42	0.6	327		8.290		
10.0		19.38	0.8	321		8.510		
20.0		12.41	0.5	328		8.050		
30.0		4.97	0.8	337		8.010		
36.0		4.44	2.1	337		7.970		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	9.00		0.075	0.000	0.002	0.002	0.265	0.190
10.0	8.98		0.070	0.000	0.002	0.002		
20.0	8.00		0.070	0.112	0.003	0.115		
30.0	9.77		0.070	0.258	0.002	0.260		
36.0	9.66		0.070	0.262	0.003	0.265	0.190	0.120

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.2	0.310		0.003	8.40	000E00		000E00
10.0	27.1	0.310				000E00		
20.0	27.0	0.230						
30.0	26.8	0.860						
36.0	27.0	1.110				000E00		800E00

DEPTH	SPC 20	SPC 35
1.0	480E01	520E01
10.0		
20.0		
30.0		
36.0	680E01	230E01

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

LAT 43-47-00N
LON 076-37-00W

YEAR 1967
MONTH 09
DAY 19
TIME 1524

NO. DEPTHS 06
SOUNDING 0630
BT SLIDE NO 052

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	5.0	19.79	0.6	323		8.570		
10.0		19.62	0.6	323		8.540		
20.0		14.87	0.5	329		8.190		
30.0		6.27	0.8	339		8.090		
50.0		4.08	0.7	339		8.070		
61.0		4.07	0.6	340		8.010		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	8.91		0.040	0.000	0.002	0.002	0.265	0.225
10.0	8.93		0.060	0.000	0.002	0.002		
20.0	7.83		0.060	0.071	0.004	0.075		
30.0	10.90		0.055	0.233	0.002	0.235		
50.0	11.28		0.090	0.253	0.002	0.255	0.205	0.115
61.0	9.80		0.060	0.271	0.004	0.275	0.205	0.145

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.7	0.130		0.002	9.45	000E00		000E00
10.0	27.7	0.170				000E00		
20.0	27.4	0.230						
30.0	27.9	0.250						
50.0	27.1	0.630				000E00		
61.0	27.3	1.250				000E00		100E00

DEPTH	SPC 20	SPC 35
1.0	410E02	360E01
10.0		
20.0		
30.0		
50.0		
61.0	300E02	180E01

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

LAT 43-42-00N
LON 076-37-00W

YEAR 1967
MONTH 09
DAY 19
TIME 1617

NO. DEPTHS 08
SOUNDING 1103
BT SLIDE NO 053

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	4.0	19.85	1.0	319		8.660		
10.0		19.50	1.0	318		8.650		
20.0		9.70	0.8	334		8.050		
30.0		5.96	0.7	333		8.050		
50.0		4.05	1.0	333		8.110		
75.0		3.94	0.8	333		8.120		
100.0		3.93	1.2	336		8.010		
108.0		3.92	1.4	337		7.940		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	9.50		0.030	0.000	0.002	0.002	0.280	0.250
10.0	9.47		0.040	0.000	0.002	0.002		
20.0	9.63		0.050	0.092	0.003	0.095		
30.0	10.70		0.050	0.233	0.002	0.235		
50.0	11.93		0.050	0.238	0.002	0.240	0.195	0.145
75.0	12.35		0.070	0.233	0.002	0.235		
100.0	10.30			0.263	0.002	0.265		
108.0	9.75			0.267	0.003	0.270	0.210	

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	28.2	0.180		0.007	9.10	000E00		100E00
10.0	28.2	0.180				000E00		
20.0	27.5	0.120						
30.0	27.5	0.200						
50.0	27.5	0.370				000E00		
75.0	27.4	0.370						
100.0	27.4	1.230						
108.0	27.3	1.400				000E00		100E00

DEPTH	SPC 20	SPC 35
1.0	280E02	260E01
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
108.0	230E02	190E01

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

LAT 43-37-00N
LON 077-37-00W

YEAR 1967
MONTH 09
DAY 19
TIME 1713

NO. DEPTHS 09
SOUNDING 1755
BT SLIDE NO 054

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	4.0	19.94	0.8	321		8.600		
10.0		18.56	0.8	319		8.500		
20.0		9.85	0.9	329		8.060		
30.0		6.04	0.9	329		8.070		
50.0		4.00	0.9	330		8.100		
75.0		3.93	1.2	333		8.100		
100.0		3.86	1.1	333		8.090		
150.0		3.78	0.8	334		8.050		
174.0		3.73	1.1	336		8.020		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	9.30		0.030	0.000	0.002	0.002	0.270	0.240
10.0	8.85		0.040	0.000	0.002	0.002		
20.0	9.30		0.040	0.097	0.003	0.100		
30.0	11.00		0.045	0.212	0.003	0.215		
50.0	12.16		0.070	0.233	0.002	0.235	0.190	0.120
75.0	12.39		0.115	0.233	0.002	0.235		
100.0	12.53		0.045				0.190	0.145
150.0	12.34		0.030	0.223	0.002	0.225		
174.0	10.53		0.045	0.243	0.002	0.245	0.200	0.155

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	28.0	0.100		0.008	7.46	000E00		000E00
10.0	28.0	0.160				000E00		
20.0	27.3	0.160						
30.0	27.5	0.230						
50.0	27.4	0.390				000E00		
75.0	27.5	0.400						
100.0								
150.0	27.6	0.490						
174.0	27.7	1.500				000E00		200E00

DEPTH	SPC 20	SPC 35
1.0	700E02	190E01
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
150.0		
174.0	410E02	100E02

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

LAT 43-32-00N
LON 076-38-00W

YEAR 1967
MONTH 09
DAY 19
TIME 1807

NO. DEPTHS 09
SOUNDING 1600
BT SLIDE NO 055

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	4.5	20.35	1.0	330		8.510		
10.0		19.53	1.1	330		8.540		
20.0		16.99	0.7	329		8.110		
30.0		6.81	0.8	335		8.080		
50.0		4.54	0.9	335		8.070		
75.0		3.97	0.8	333		8.050		
100.0		3.88	0.7	333		8.050		
150.0		3.86	1.1	333		8.040		
156.0		3.98	1.3	333		8.000		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	9.45		0.030	0.000	0.001	0.001	0.265	0.235
10.0	9.10		0.030	0.000	0.001	0.001		
20.0	8.20		0.050	0.012	0.003	0.015		
30.0	10.43		0.045	0.213	0.002	0.215		
50.0	11.72		0.045	0.228	0.002	0.230	0.215	0.170
75.0	12.38		0.125	0.228	0.002	0.230		
100.0	12.21		0.035	0.223	0.002	0.225		
150.0	10.71		0.055	0.248	0.002	0.250		
156.0				0.168	0.002	0.170		

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	28.2	0.100		0.006	7.58	000E00		110E01
10.0	28.3	0.130				000E00		
20.0	28.2	0.150						
30.0	28.4	0.300						
50.0	28.4	0.400				000E00		
75.0	28.3	0.400						
100.0	28.2	0.400						
150.0	28.4	1.070						
156.0	28.7	0.410						

DEPTH	SPC 20	SPC 35
1.0	170E02	220E01
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
150.0		
156.0		

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

LAT 43-27-00N
LON 076-38-00W

YEAR 1967
MONTH 09
DAY 19
TIME 1910

NO. DEPTHS 05
SOUNDING 0360
BT SLIDE NO 056

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	5.0	20.68	0.9	328		8.570		
10.0		19.54	2.0	340		8.560		
20.0		12.87	0.8	340		8.080		
30.0		5.88	0.8	338		7.950		
35.0		5.83	0.9	336		7.940		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	9.52		0.045	0.000	0.002	0.002	0.340	0.295
10.0	9.72		0.040	0.000	0.002	0.002		
20.0	8.52		0.040	0.097	0.003	0.100		
30.0	10.05		0.035	0.248	0.002	0.250		
35.0	10.10		0.050	0.238	0.002	0.240	0.240	0.190

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	29.3	0.130		0.003	8.87	000E00	000E00	200E00
10.0	23.5	0.180				000E00		
20.0	29.3	0.280						
30.0	27.5	0.660						
35.0	27.4	0.670				000E00	000E00	000E00

DEPTH	SPC 20	SPC 35
1.0	640E01	500E01
10.0		
20.0		
30.0		
35.0	840E01	160E01

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

LAT 43-33-00N
LON 076-21-00W

YEAR 1967
MONTH 09
DAY 19
TIME 2047

NO. DEPTHS 05
SOUNDING 0350
BT SLIDE NO 057

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	4.5	20.95	0.8	318		8.660		
10.0		19.98	0.9	318		8.640		
20.0		11.81	0.8	326		8.050		
30.0		5.51	0.8	330		7.940		
33.0		5.54	0.7	332		7.940		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	9.55	0.020	0.055	0.000	0.002	0.002	0.320	0.265
10.0	8.60		0.050	0.000	0.002	0.002		
20.0	8.10		0.050	0.162	0.003	0.165		
30.0	10.10		0.045	0.247	0.003	0.250		
33.0	10.25		0.040	0.247	0.003	0.250	0.215	0.175

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.3	0.290		0.005	9.22	000E00	000E00	000E00
10.0	27.2	0.210				000E00		
20.0	26.4	0.400						
30.0	25.8	0.670						
33.0	26.0	0.670				200E00	200E00	000E00

DEPTH	SPC 20	SPC 35
1.0	430E02	200E01
10.0		
20.0		
30.0		
33.0	790E01	180E01

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

LAT 43-42-00N
LON 076-15-00W

YEAR 1967
MONTH 09
DAY 19
TIME 2211

NO. DEPTHS 04
SOUNDING 0260
BT SLIDE NO 058

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	4.0	20.43	0.9	322	1.1	8.610		
10.0		20.03	0.9	320		8.620		
20.0		14.45	0.6	327		8.150		
24.0		7.51	0.8	332	0.7	7.910		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	9.50		0.045	0.000	0.002	0.002	0.340	0.295
10.0	9.75		0.035	0.000	0.002	0.002		
20.0	7.90		0.045	0.091	0.004	0.095		
24.0	8.90		0.060	0.251	0.004	0.255	0.240	0.180

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.5	0.330		0.003	9.45	700E00	100E00	000E00
10.0	27.5	0.240				000E00		
20.0	27.2	0.440						
24.0	26.7	0.760				200E00	000E00	400E00

DEPTH	SPC 20	SPC 35
1.0	310E02	200E01
10.0		
20.0		
24.0	160E02	460E01

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

LAT 43-50-00N
LON 076-22-00W

YEAR 1967
MONTH 09
DAY 19
TIME 2327

NO. DEPTHS 05
SOUNDING 0390
BT SLIDE NO 059

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		19.92	1.0	321	1.1	8.500		
10.0		19.15	1.0	327		8.460		
20.0		8.32	0.5	341		7.940		
30.0		5.93	0.7	337		7.860		
37.0		5.58	0.7	330	1.0	8.520		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	9.40		0.030	0.000	0.002	0.002	0.285	0.255
10.0	9.00		0.035	0.003	0.002	0.005		
20.0	8.75		0.030	0.222	0.003	0.225		
30.0	8.90		0.030	0.242	0.003	0.245		
37.0	8.60		0.040		0.002		0.305	0.265

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.8	0.300		0.005	9.33	000E00	000E00	000E00
10.0	27.8	0.340				000E00		
20.0	27.0	0.690						
30.0	26.9	0.940						
37.0	27.8	0.260				000E00	000E00	000E00

DEPTH	SPC 20	SPC 35
1.0	480E02	800E01
10.0		
20.0		
30.0		
37.0	230E02	720E01

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

LAT 43-55-00N
LON 076-15-00W

YEAR 1967
MONTH 09
DAY 20
TIME 0031

NO. DEPTHS 04
SOUNDING 0268
BT SLIDE NO 060

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		20.28	0.5	316	2.3	8.100		
10.0		19.48	0.5	316		8.400		
20.0		6.71	0.6	330		7.870		
25.0		5.99	1.2	341	1.5	7.810		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	9.30	0.020	0.020	0.000	0.002	0.002	0.290	0.270
10.0	9.25		0.020	0.000	0.003	0.003		
20.0	8.60		0.020	0.240	0.005	0.245		
25.0	8.55		0.020	0.254	0.006	0.260	0.235	0.215

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.6	0.240		0.006	9.33	000E00	000E00	000E00
10.0	27.6	0.250				000E00		
20.0	26.9	0.900						
25.0	27.0	1.100				000E00	000E00	000E00

DEPTH	SPC 20	SPC 35
1.0	520E02	600E01
10.0		
20.0		
25.0	580E02	180E02

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

LAT 44-02-00N
LON 076-33-00W

YEAR 1967
MONTH 09
DAY 20
TIME 0227

NO. DEPTHS 03
SOUNDING 0219
BT SLIDE NO 061

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		20.22	0.7	316	1.4	8.430		
10.0		19.63	0.5	318		8.400		
17.0		19.40	0.4	321	0.8	8.400		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	9.30	0.020	0.035	0.000	0.004	0.004	0.280	0.245
10.0	9.00		0.035	0.000	0.003	0.003		
17.0	8.70		0.025	0.002	0.003	0.005	0.280	0.255

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	28.3	0.260		0.002	9.69	000E00	000E00	000E00
10.0	28.2	0.250				000E00		
17.0	28.2	0.260				000E00	000E00	120E01

DEPTH	SPC 20	SPC 35
1.0	540E02	220E01
10.0		
17.0	580E02	510E01

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

LAT 44-00-00N
LON 076-43-00W

YEAR 1967
MONTH 09
DAY 20
TIME 0345

NO. DEPTHS 05
SOUNDING 0390
BT SLIDE NO 062

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		20.05	0.5	326		8.590		
10.0		19.64	0.7	325		8.570		
20.0		13.22	0.8	333		7.900		
30.0		7.34	1.3	341		7.900		
36.0		6.54		341		7.840		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	9.22			0.000	0.001	0.001	0.285	
10.0	9.21			0.000	0.001	0.001		
20.0	8.20			0.168	0.002	0.170		
30.0	8.18			0.240	0.002	0.242		
36.0	7.88			0.255	0.003	0.258	0.240	

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	28.0	0.340		0.003	10.04	000E00	200E00	140E01
10.0	27.8	0.320				000E00		
20.0	27.2	1.090						
30.0	27.2	1.060						
36.0	27.2	1.400				000E00	000E00	000E00

DEPTH	SPC 20	SPC 35
1.0	730E02	740E01
10.0		
20.0		
30.0		
36.0	650E02	490E01

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

LAT 43-22-00N
LON 078-47-18W

YEAR 1967
MONTH 09
DAY 20
TIME 1329

NO. DEPTHS 06
SOUNDING 0590
BT SLIDE NO 063

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	5.0	20.10	1.3	330	1.7	8.440		1.4
10.0		18.27	1.3	329		8.340		
20.0		14.02	0.7	330		7.920		
30.0		7.63	0.9	337		7.830		
50.0		5.91	0.7	335	1.3	7.840		
57.0		4.37	1.1	335	1.6	7.850		1.2

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.10	0.090	0.030	0.000	0.002	0.002	0.345	0.315
10.0	8.80		0.070	0.000	0.002	0.002		
20.0	9.40		0.035	0.008	0.002	0.010		
30.0	8.80		0.015	0.178	0.002	0.180		
50.0	9.20	0.090	0.025	0.218	0.002	0.220	0.230	0.205
57.0	10.00	0.090	0.025	0.238	0.002	0.240	0.210	0.185

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.0	0.190		0.001		200E00		000E00
10.0	27.3	0.310				120E01		
20.0	27.3	0.290						
30.0	26.9	0.450						
50.0	26.8	0.650				800E00		
57.0	26.9	0.290				200E00		000E00

DEPTH	SPC 20	SPC 35
1.0	200E03	
10.0		
20.0		
30.0		
50.0		
57.0	860E02	

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

LAT 43-20-30N
LON 078-51-00W

YEAR 1967
MONTH 09
DAY 20
TIME 1427

NO. DEPTHS 05
SOUNDING 0340
BT SLIDE NO 064

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.5	20.40	0.8	327	1.7	8.630		1.6
10.0		18.41	0.7	328		8.250		
20.0		11.74	0.5	331		8.010		
30.0		11.44	0.5	334		8.070		
32.0		11.40	0.8	334	1.3	8.090		0.6

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	9.20	0.048	0.015	0.000	0.002	0.002	0.335	0.320
10.0	8.80		0.050	0.000	0.002	0.002		
20.0	9.40		0.050	0.071	0.005	0.076		
30.0	9.50		0.045	0.077	0.005	0.082		
32.0	9.60	0.035	0.050	0.077	0.005	0.082	0.265	0.215

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.3	0.190		0.003		600E00		000E00
10.0	27.6	0.220				400E00		
20.0	27.5	0.360						
30.0	27.5	0.320						
32.0	27.5	0.350				460E01		400E00

DEPTH	SPC 20	SPC 35
1.0		
10.0		
20.0		
30.0		
32.0		

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

LAT 43-19-42N
LON 078-54-42W

YEAR 1967
MONTH 09
DAY 20
TIME 1513

NO. DEPTHS 03
SOUNDING 0190
BT SLIDE NO 065

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.5	20.38	0.8	326	2.0	8.590		2.3
10.0		19.50	1.1	326		8.590		
17.0		14.00	0.5	331	2.0	7.870		2.0

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	9.90	0.095	0.010	0.000	0.001	0.001	0.315	0.305
10.0	9.50		0.025	0.000	0.001	0.001		
17.0	7.90	0.055	0.025	0.047	0.003	0.050	0.265	0.240

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.5	0.160		0.001		400E00		400E00
10.0	27.5	0.180				200E02		
17.0	27.5	0.240				600E00		400E00

DEPTH	SPC 20	SPC 35
1.0		
10.0		
17.0		

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

LAT 43-17-54N
LON 078-58-30W

YEAR 1967
MONTH 09
DAY 20
TIME 1601

NO. DEPTHS 03
SOUNDING 0130
BT SLIDE NO 066

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	2.5	20.42	0.6	317	2.0	8.670		1.6
10.0		19.73	0.8	318		8.540		
11.0		19.67	0.7	319	2.0	8.540		1.4

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.40	0.028	0.005	0.000	0.002	0.002	0.345	0.340
10.0	9.40		0.020	0.000	0.002	0.002		
11.0	9.40	0.032	0.025	0.000	0.002	0.002	0.400	0.375

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.8	0.090		0.015		180E01		800E00
10.0	27.9	0.160						
11.0	27.8	0.200						200E00

DEPTH	SPC 20	SPC 35
1.0	410E03	120E04
10.0		
11.0	500E03	130E04

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

LAT 43-17-30N
LON 079-01-48W

YEAR 1967
MONTH 09
DAY 20
TIME 1631

NO. DEPTHS 02
SOUNDING 0120
BT SLIDE NO 067

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.0	20.31	0.4	333	1.6	8.430		2.1
10.0		16.40	0.4	335	1.5	8.110		1.4

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	9.90	0.070	0.005	0.003	0.002	0.005	0.315	0.310
10.0	7.00	0.070	0.060	0.064	0.002	0.066	0.315	0.255

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	26.3	0.160		0.002				
10.0	26.3	0.290				300E00		000E00

DEPTH	SPC 20	SPC 35
1.0		
10.0	800E03	200E03

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

LAT 43-18-48N
LON 079-06-00W

YEAR 1967
MONTH 09
DAY 20
TIME 1715

NO. DEPTHS 03
SOUNDING 0160
BT SLIDE NO 068

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.0	20.32		330	2.4	8.500		1.9
10.0		16.80	1.0	330		8.310		
15.0		15.32	0.6	331	1.5	8.240		0.9

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	9.70	0.070		0.003	0.002	0.005	0.340	
10.0	8.80		0.030	0.004	0.001	0.005		
15.0	8.70	0.070	0.030	0.008	0.002	0.010	0.270	0.240

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	26.5			0.005				180E01
10.0	26.6	0.230				500E00		
15.0	26.5	0.190				170E01		200E00

DEPTH	SPC 20	SPC 35
1.0	800E03	
10.0		
15.0	100E03	

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

LAT 43-16-48N
LON 079-09-12W

YEAR 1967
MONTH 09
DAY 20
TIME 1756

NO. DEPTHS 03
SOUNDING 0160
BT SLIDE NO 069

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.0	19.71	1.2	328	1.4	8.550		1.0
10.0		17.79	1.3	328		8.380		
16.0		14.78	0.7	333	2.9	8.200		2.4

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	9.70	0.095	0.015	0.000	0.001	0.001	0.335	0.320
10.0	9.20		0.030	0.000	0.001	0.001		
16.0	8.50	0.048	0.040	0.018	0.002	0.020	0.250	0.210

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.2	0.190		0.002				200E00
10.0	27.2	0.230						
16.0	27.1	0.200				200E01		400E00

DEPTH	SPC 20	SPC 35
1.0		
10.0		
16.0		

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

LAT 43-14-30N
LON 079-16-42W

YEAR 1967
MONTH 09
DAY 20
TIME 1854

NO. DEPTHS 04
SOUNDING 0260
BT SLIDE NO 070

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.5	19.71	1.1	318	3.8	8.920		2.9
10.0		16.00	0.5	328		8.300		
20.0		14.22	0.4	330		8.150		
25.0		14.19	0.5	329	1.2	8.110		1.4

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	11.50	0.042	0.005	0.000	0.001	0.001	0.550	0.545
10.0	8.80		0.050	0.000	0.001	0.001		
20.0	9.10		0.040	0.032	0.002	0.034		
25.0	9.00	0.025	0.045	0.032	0.002	0.034	0.390	0.345

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.6			0.003		000E00		800E00
10.0	27.6					000E00		
20.0	27.6							
25.0	27.5					430E01		200E01

DEPTH	SPC 20	SPC 35
1.0	540E02	
10.0		
20.0		
25.0	270E02	

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

LAT 43-13-06N
LON 079-20-00W

YEAR 1967
MONTH 09
DAY 20
TIME 1937

NO. DEPTHS 04
SOUNDING 0232
BT SLIDE NO 071

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.0	19.70	1.4	315	3.6	8.880		2.9
10.0		16.63	0.6	322		8.260		
20.0		14.70	0.6	323		8.290		
22.0		14.68	0.5	327	1.0	8.270		0.9

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	11.34	0.095	0.015		0.001		0.350	0.335
10.0	8.18		0.015		0.001			
20.0	9.02		0.040		0.001			
22.0	8.90	0.060	0.045		0.001		0.230	0.185

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.5	0.480		0.002		200E00		000E00
10.0	27.5	0.360				200E00		
20.0	27.6	0.500						
22.0	27.3	0.330				600E00		000E00

DEPTH	SPC 20	SPC 35
1.0	240E02	960E01
10.0		
20.0		
22.0	150E02	360E01

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

LAT 43-16-12N
LON 079-20-00W

YEAR 1967
MONTH 09
DAY 20
TIME 2020

NO. DEPTHS 06
SOUNDING 0683
BT SLIDE NO 072

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.0	19.67	1.0	318	2.0	8.860		1.6
10.0		17.64	0.8	321		8.460		
20.0		12.90	0.8	331		8.350		
30.0		7.13	0.7	337		8.000		
50.0		4.99	0.8	331	1.0	8.020		
66.0		4.22	1.3	331	2.1	8.040		2.7

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.85	0.085	0.020	0.000	0.001	0.001	0.350	0.330
10.0	8.43		0.035	0.000	0.001	0.001		
20.0	9.18		0.040	0.054	0.002	0.056		
30.0	8.40		0.030	0.189	0.001	0.190		
50.0	9.50	0.100	0.025	0.239	0.001	0.240	0.200	0.175
66.0	10.18	0.072	0.020	0.233	0.001	0.234		

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	26.8	0.270		0.002		000E00		000E00
10.0	27.0	0.450						
20.0	26.9	0.500						
30.0	26.5	0.490						
50.0	26.5	0.580						
66.0	26.5	0.840						

DEPTH	SPC 20	SPC 35
1.0	210E02	120E02
10.0		
20.0		
30.0		
50.0		
66.0		

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

LAT 43-17-30N
LON 079-16-18W

YEAR 1967
MONTH 09
DAY 20
TIME 2110

NO. DEPTHS 07
SOUNDING 0838
BT SLIDE NO 073

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.0	19.85	2.0	318	2.0	8.900		2.5
10.0		15.85	0.9	324		8.360		
20.0		11.23	1.7	331		8.230		
30.0		5.86	1.0	335		8.080		
50.0		4.13	0.8	333	0.8	8.110		
75.0		4.01	2.0	333		8.060		
82.0		3.97		333	1.7	8.050		1.2

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	11.19	0.090	0.020	0.000	0.001	0.001	0.250	0.230
10.0	8.36		0.025	0.000	0.001	0.001		
20.0	9.11		0.045	0.085	0.003	0.088		
30.0	10.12		0.040	0.156	0.004	0.160		
50.0	11.40	0.050	0.020	0.219	0.001	0.220		
75.0	10.25		0.015	0.244	0.002	0.246		
82.0	10.28		0.010	0.241	0.003	0.244	0.345	0.335

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.0	0.220				230E01		600E00
10.0	27.0	0.210				500E00		
20.0	27.1	0.420						
30.0	26.7	0.320						
50.0	26.5	0.530				300E00		
75.0	27.9	1.130						
82.0	27.1	1.380				110E02		600E00

DEPTH	SPC 20	SPC 35
1.0		160E02
10.0		
20.0		
30.0		
50.0		
75.0		
82.0		280E02

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

LAT 43-18-30N
LON 079-12-36W

YEAR 1967
MONTH 09
DAY 20
TIME 2201

NO. DEPTHS 07
SOUNDING 0829
BT SLIDE NO 074

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.0	19.61	1.6	319	2.2	8.880		1.2
10.0		15.38	1.0	323		8.270		
20.0		12.84	1.1	330		8.280		
30.0		7.17	0.8	328		8.030		
50.0		4.28	1.0	328	0.8	8.080		
75.0		4.05	1.7	329		8.070		
81.0		4.00	1.1	337	1.6	8.030		0.6

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	11.07	0.060	0.010	0.000	0.001	0.001	0.250	0.240
10.0	8.42		0.020	0.000	0.001	0.001		
20.0	9.50		0.035	0.138	0.002	0.040		
30.0	8.90		0.020	0.159	0.001	0.160		
50.0	11.08		0.010	0.219	0.001	0.220	0.240	0.230
75.0	10.67	0.060	0.020	0.237	0.001	0.238		
81.0	10.47	0.115	0.015	0.225	0.001	0.226	0.335	0.320

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.2	0.280		0.002		000E00		000E00
10.0	27.5	0.180				000E00		
20.0	27.5	0.320						
30.0	27.4	0.360						
50.0	27.3	0.570				480E01		
75.0	27.3	1.060						
81.0	27.4	1.170				130E01		580E01

DEPTH	SPC 20	SPC 35
1.0	420E02	220E02
10.0		
20.0		
30.0		
50.0		
75.0		
81.0	160E03	110E03

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

LAT 43-19-48N
LON 079-09-00W

YEAR 1967
MONTH 09
DAY 20
TIME 2301

NO. DEPTHS 07
SOUNDING 0799
BT SLIDE NO 075

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.0	19.95	1.0	318	2.9	8.950		2.5
10.0		14.94	1.0	325		8.380		
20.0		13.17	1.1	329		8.340		
30.0		8.02	0.9	333		8.070		
50.0		4.27	0.8	333	0.6	8.060		
75.0		4.01	1.4	333		8.030		
78.0		4.05	1.6	333	1.8	7.980		0.8

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	11.48	0.057	0.010	0.000	0.001	0.001	0.300	0.290
10.0	8.85		0.020	0.000	0.001	0.001		
20.0	9.40		0.040	0.021	0.002	0.023		
30.0	8.76		0.020	0.147	0.003	0.150		
50.0	10.98	0.045	0.010	0.229	0.001	0.230	0.110	0.100
75.0	10.23		0.010	0.235	0.001	0.236		
78.0	10.30	0.100	0.005	0.229	0.001	0.230		

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	28.0	0.130				000E00		200E00
10.0	27.6	0.130				000E00		
20.0	27.8	0.270						
30.0	27.7	0.400						
50.0	27.1	0.530				000E00		
75.0	27.1	1.160						
78.0	27.0	1.170				200E00		000E00

DEPTH	SPC 20	SPC 35
1.0	460E02	
10.0		
20.0		
30.0		
50.0		
75.0		
78.0	460E02	

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

LAT 43-19-24N
LON 079-01-48W

YEAR 1967
MONTH 09
DAY 21
TIME 0004

NO. DEPTHS 04
SOUNDING 0240
BT SLIDE NO 076

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		20.39	1.4	330	1.9	8.630		1.5
10.0		20.16	1.4	330		8.650		
20.0		13.09	1.1	333		8.260		
22.0		12.99	1.1	335	1.2	8.210		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	9.20		0.045	0.000	0.005	0.005	0.235	0.190
10.0	9.22		0.030	0.000	0.002	0.002		
20.0	8.73		0.040	0.049	0.005	0.054		
22.0	8.70	0.045	0.035	0.050	0.006	0.056	0.235	0.200

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.4	0.200		0.000		000E00		400E00
10.0	27.5	0.150				300E01		
20.0	28.0	0.260						
22.0	27.8	0.350				320E01		200E00

DEPTH	SPC 20	SPC 35
1.0		
10.0		
20.0		
22.0		240E02

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

LAT 43-21-00N
LON 078-58-12W

YEAR 1967
MONTH 09
DAY 21
TIME 0058

NO. DEPTHS 06
SOUNDING 0756
BT SLIDE NO 077

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		20.62	0.9	326	2.0	8.700		1.9
10.0		15.81	1.1	326		8.390		
20.0		13.03	1.1	325		8.210		
30.0		11.41	0.8	330		8.200		
50.0		4.67	1.1	332	1.7	8.100		
67.0		4.31	0.7	335	0.8	8.040		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	9.48	0.095	0.010	0.001	0.004	0.005	0.135	0.125
10.0	8.70		0.030	0.007	0.003	0.010		
20.0	8.97		0.040	0.051	0.005	0.056		
30.0	9.20		0.035	0.083	0.005	0.088		
50.0	8.70	0.045	0.010	0.228	0.002	0.230	0.175	0.165
67.0	10.73	0.035	0.010	0.229	0.001	0.230	0.310	0.300

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.5	0.160		0.002		000E00		200E00
10.0	28.0	0.180				000E00		
20.0	27.8	0.250						
30.0	27.5	0.330						
50.0	27.1	0.530				000E00		
67.0	27.1	0.590				120E01		600E00

DEPTH	SPC 20	SPC 35
1.0		
10.0		
20.0		
30.0		
50.0		
67.0		110E02

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

LAT 43-22-18N
LON 078-54-18W

YEAR 1967
MONTH 09
DAY 21
TIME 0147

NO. DEPTHS 07
SOUNDING 0902
BT SLIDE NO 078

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		19.57	0.9	321	2.3	8.840		
10.0		12.71	0.8	321		8.370		
20.0		11.44	1.0	334		8.250		
30.0		10.28	0.9	332		8.160		
50.0		4.16	1.1	331	0.8	8.150		
75.0		4.10	1.9	335		8.070		
88.0		4.14	1.7		1.3			

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.53	0.057	0.010	0.000	0.002	0.002	0.160	0.150
10.0	9.13		0.035	0.037	0.003	0.040		
20.0	9.30		0.035	0.080	0.004	0.084		
30.0	9.40		0.030	0.114	0.004	0.118		
50.0	11.56		0.010	0.225	0.001	0.226	0.180	0.170
75.0	10.62		0.005	0.133	0.001	0.134		
88.0		0.060	0.005	0.229	0.001	0.230	0.310	0.305

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.6	0.180				120E01		200E00
10.0	27.8	0.250				800E00		
20.0	27.6	0.310						
30.0	28.0	0.360						
50.0	27.5	0.490				600E00		
75.0	27.6	0.830						
88.0	27.5	0.940				000E00		000E00

DEPTH	SPC 20	SPC 35
1.0		350E02
10.0		
20.0		
30.0		
50.0		
75.0		
88.0		120E02

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

LAT 43-23-48N
LON 078-50-42W

YEAR 1967
MONTH 09
DAY 21
TIME 0242

NO. DEPTHS 07
SOUNDING 1006
BT SLIDE NO 079

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		19.85	1.7	324	2.1	8.910		2.1
10.0		17.14	0.9	330		8.450		
20.0		7.66	1.2	333		8.010		
29.0		4.15	0.6	331		8.100		
49.0		4.00	0.5	331	0.9	8.160		
74.0		3.89	0.6	334		8.170		
96.0		4.03	1.0	338	1.4	8.070		0.8

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.99	0.055	0.020	0.000	0.002	0.002	0.125	0.105
10.0	8.66		0.030	0.000	0.002	0.002		
20.0	9.69		0.015	0.140	0.002	0.142		
29.0	11.50		0.005	0.213	0.001	0.214		
49.0	11.88	0.040	0.005	0.207	0.001	0.208	0.240	0.235
74.0	12.05		0.020	0.211	0.001	0.212		
96.0	10.31	0.090	0.010	0.230	0.002	0.232	0.240	0.230

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	28.2	0.170				800E00		200E00
10.0	28.1	0.110				000E00		
20.0	27.6	0.240						
29.0	27.5	0.410						
49.0	27.4	0.570				000E00		
74.0	27.4	0.600						
96.0	27.6	1.100				000E00		400E00

DEPTH	SPC 20	SPC 35
1.0		120E02
10.0		
20.0		
29.0		
49.0		
74.0		
96.0		140E02

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

LAT 43-25-18N
LON 078-54-12W

YEAR 1967
MONTH 09
DAY 21
TIME 0345

NO. DEPTHS 08
SOUNDING 1189
BT SLIDE NO 080

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		19.53	0.9	323	2.9	8.840		2.8
10.0		16.33	0.7	336		8.280		
20.0		5.83	0.4	335		8.060		
29.0		4.18	0.6	335		8.050		
49.0		4.08	0.5	338	0.6	8.070		
74.0		3.98	0.4	338		8.080		
98.0		3.92	0.6	340		7.980		
114.0		3.90	0.6	344	1.2	7.940		1.3

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	11.00	0.030		0.000	0.002	0.002	0.115	
10.0	8.50			0.012	0.002	0.014		
20.0	10.95			0.197	0.003	0.200		
29.0	11.80			0.213	0.001	0.214		
49.0	12.00			0.207	0.001	0.208	0.240	
74.0	11.90			0.209	0.001	0.210		
98.0	9.80			0.237	0.001	0.238		
114.0	9.80	0.100		0.229	0.001	0.230		

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	28.2	0.220				400E00		000E00
10.0	27.8	0.180				000E00		
20.0	27.5	0.330						
29.0	27.6	0.440						
49.0	27.5	0.530				200E00		
74.0	27.5	0.540						
98.0	27.6							
114.0	27.5							200E00

DEPTH	SPC 20	SPC 35
1.0		120E02
10.0		
20.0		
29.0		
49.0		
74.0		
98.0		
114.0		

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

LAT 43-23-54N
LON 078-57-54W

YEAR 1967
MONTH 09
DAY 21
TIME 0445

NO. DEPTHS 08
SOUNDING 1067
BT SLIDE NO 081

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		19.79	0.8	325	3.2	8.740		0.8
10.0		17.40	0.8	332		8.330		
20.0		7.55	0.7	345		7.890		
30.0		4.65	0.6	344		7.920		
50.0		4.11	0.8	340	0.7	7.980		
75.0		4.05	0.5	340		8.020		
100.0		4.02	0.8	340		7.960		
105.0		4.00	0.8	340	1.6	7.950		2.3

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.60			0.000	0.001	0.001	0.120	
10.0	8.50			0.000	0.001	0.001		
20.0	8.90			0.203	0.001	0.204		
30.0	11.85			0.219	0.001	0.220		
50.0	11.45	0.010		0.219	0.001	0.220	0.130	
75.0						0.224		
100.0				0.235	0.001	0.236		
105.0		0.090		0.235	0.001	0.236		

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	28.7	0.410		0.001		440E01		200E00
10.0	28.6	0.150				120E02		
20.0	28.4	0.450						
30.0	28.2	0.390						
50.0	28.2	0.520				000E00		
75.0	28.3	0.590						
100.0	28.3	1.080						
105.0	28.4	1.400				140E01		200E00

DEPTH	SPC 20	SPC 35
1.0		140E02
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
105.0		120E02

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

LAT 43-22-36N
LON 079-01-48W

YEAR 1967
MONTH 09
DAY 21
TIME 0559

NO. DEPTHS 07
SOUNDING 0987
BT SLIDE NO 082

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		19.95	0.6	321	1.7	7.660		2.1
10.0		17.80	0.6	329		8.260		
20.0		6.75	0.6	339		7.970		
30.0		4.44	0.5	341		8.050		
50.0		4.12	0.4	339	0.8	8.010		
75.0		4.01	0.7	335		8.010		
97.0		3.97	0.6	335	1.3	7.890		0.6

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.35	0.040		0.000	0.001	0.001	0.220	
10.0	8.40			0.000	0.001	0.001		
20.0	9.45			0.132	0.002	0.134		
30.0	10.80			0.223	0.001	0.224		
50.0	11.40	0.035		0.235	0.001	0.236	0.115	
75.0	11.30			0.237	0.001	0.238		
97.0	10.25	0.090		0.241	0.001	0.242	0.135	

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	28.6	0.200				200E00		000E00
10.0	28.5	0.120				000E00		
20.0	28.3	0.250						
30.0	28.2	0.390						
50.0	28.2	0.540				000E00		
75.0	28.2	0.660						
97.0	28.1	1.300				140E01		680E01

DEPTH	SPC 20	SPC 35
1.0		660E01
10.0		
20.0		
30.0		
50.0		
75.0		
97.0		140E02

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

LAT 43-21-18N
LON 079-05-18W

YEAR 1967
MONTH 09
DAY 21
TIME 0655

NO. DEPTHS 07
SOUNDING 0926
BT SLIDE NO 083

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		19.71	0.8	327	2.8	8.830		1.3
10.0		17.29	0.6			8.370		
20.0		9.86	0.5			7.950		
30.0		4.15	0.6			7.990		
50.0		4.01	0.6		0.7	8.070		
75.0		3.85	0.3			8.050		
92.0		3.82	0.8		1.4	7.950		2.3

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.80	0.055		0.000	0.002	0.002	0.250	
10.0	7.80			0.000	0.001	0.001		
20.0	8.50			0.122	0.002	0.124		
30.0	11.40			0.213	0.001	0.214		
50.0	12.00	0.040		0.203	0.001	0.204	0.100	
75.0	11.90			0.195	0.001	0.196		
92.0	9.50	0.110		0.232	0.002	0.234	0.125	

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	29.0	0.240				000E00		000E00
10.0	28.7	0.120				150E02		
20.0	28.7	0.300						
30.0		0.420						
50.0	28.2	0.470				000E00		
75.0	28.2	0.680						
92.0	28.3					000E00		110E02

DEPTH	SPC 20	SPC 35
1.0		450E01
10.0		
20.0		
30.0		
50.0		
75.0		
92.0		700E01

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

LAT 43-25-30N
LON 079-01-18W

YEAR 1967
MONTH 09
DAY 21
TIME 0800

NO. DEPTHS 08
SOUNDING 1115
BT SLIDE NO 084

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		19.46	0.6	331	1.6	8.600		0.8
10.0		17.44	0.4	334		8.450		
20.0		5.93	0.5	338		8.190		
30.0		4.16	0.3	337		8.110		
50.0		4.07	0.4	337	0.7	8.070		
75.0		3.99	0.4	337		8.080		
100.0		3.87	0.6	343		8.010		
110.0		3.86	0.6	348	1.2	7.920		1.7

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.10	0.035		0.000	0.001	0.001	0.290	
10.0	9.00			0.000	0.002	0.002		
20.0	10.45			0.189	0.003	0.192		
30.0	11.80			0.223	0.001	0.224		
50.0	12.10	0.040		0.217	0.001	0.218	0.210	
75.0	12.10			0.215	0.001	0.216		
100.0	9.90			0.196	0.002	0.198		
110.0	9.50	0.115		0.252	0.002	0.254	0.310	

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	26.6	0.280				000E00		000E00
10.0	26.7	0.140				000E00		
20.0	26.2	0.310						
30.0	26.2	0.430						
50.0	26.2	0.460				220E01		
75.0	26.2	0.500						
100.0	26.4	1.150						
110.0	26.4					320E01		000E00

DEPTH	SPC 20	SPC 35
1.0		980E01
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
110.0		658E02

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

LAT 43-24-12N
LON 079-05-00W

YEAR 1967
MONTH 09
DAY 21
TIME 0851

NO. DEPTHS 08
SOUNDING 1103
BT SLIDE NO 085

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		19.61	0.5	326	1.7	8.810		
10.0		19.48	0.6	328		8.770		
20.0		6.74	0.7	336		8.190		
30.0		4.32	0.5	335		8.120		
50.0		4.06	0.6	335	0.7	8.110		
75.0		4.06	0.9	336		8.090		
100.0		4.00	0.9	336		8.040		
108.0		3.87	1.0	341	1.4	8.010		2.6

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	9.90	0.045		0.000	0.001	0.001	0.290	
10.0	9.80			0.000	0.001	0.001		
20.0	9.20			0.054	0.002	0.156		
30.0	11.10			0.230	0.002	0.232		
50.0	11.80	0.047		0.225	0.001	0.226	0.230	
75.0	11.30			0.235	0.001	0.236		
100.0	10.50			0.243	0.001	0.244		
108.0	9.80	0.090		0.249	0.001	0.250	0.190	

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	26.7	0.250				400E01		400E00
10.0	26.8	0.230				280E01		
20.0	26.2	0.260						
30.0	26.0	0.430						
50.0	26.0	0.540				140E01		
75.0	26.0	0.580						
100.0	26.0	1.150						
108.0	26.1					200E01		200E00

DEPTH	SPC 20	SPC 35
1.0		140E02
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
108.0		600E01

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

LAT 43-22-54N
LON 079-08-42W

YEAR 1967
MONTH 09
DAY 21
TIME 0943

NO. DEPTHS 08
SOUNDING 1060
BT SLIDE NO 086

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		19.65	0.5	323	1.7	8.680		2.3
10.0		19.11	0.6	326		8.600		
20.0		5.71	0.7	336		8.100		
30.0		4.17	0.8	335		8.090		
50.0		4.05	0.6	336	0.8	8.100		
75.0		3.94	0.5	337		8.120		
100.0		3.82	0.5	344		8.020		
104.0		3.80	0.8	346	1.3	7.930		2.3

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.20	0.040		0.000	0.001	0.001	0.275	
10.0	9.30			0.000	0.001	0.001		
20.0	10.80			0.196	0.002	0.198		
30.0	11.75			0.223	0.001	0.224		
50.0	12.20	0.040		0.209	0.001	0.210	0.200	
75.0	12.25			0.207	0.001	0.208		
100.0	10.10			0.239	0.001	0.240		
104.0	8.90	0.115		0.249	0.001	0.250	0.230	

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	26.8	0.250						340E02
10.0	26.8	0.240						
20.0	26.2	0.310						
30.0	26.2	0.400						
50.0	26.2	0.460				600E01		
75.0	26.2	0.450						
100.0	26.2							
104.0	26.2					000E00		600E00

DEPTH	SPC 20	SPC 35
1.0		690E01
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
104.0		

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

LAT 43-21-30N
LON 079-12-18W

YEAR 1967
MONTH 09
DAY 21
TIME 1020

NO. DEPTHS 07
SOUNDING 1018
BT SLIDE NO 087

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		19.32	0.6	327	1.5	8.600		1.3
10.0		18.13	0.6	327		8.490		
19.0		5.05	0.6	339		8.160		
29.0		4.12	0.6	339		8.130		
49.0		4.02	0.7	339	0.6	8.130		
73.0		3.94	0.4	341		8.130		
97.0		3.80	0.5	341	1.2	8.030		0.5

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	9.55	0.040		0.000	0.001	0.001	0.300	
10.0	8.60			0.000	0.001	0.001		
19.0	11.00			0.206	0.002	0.208		
29.0	11.95			0.217	0.001	0.218		
49.0	12.20	0.040		0.203	0.001	0.204	0.215	
73.0	12.20			0.195	0.001	0.196		
97.0	10.20	0.080		0.243	0.001	0.244	0.315	

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	26.6	0.180						200E00
10.0	26.6	0.160						
19.0	26.1	0.310						
29.0	26.0	0.440						
49.0	26.0	0.450						
73.0	26.0	0.450						
97.0	26.0					160E01		000E00

DEPTH	SPC 20	SPC 35
1.0		510E01
10.0		
19.0		
29.0		
49.0		
73.0		
97.0		140E02

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

LAT 43-20-30N
LON 079-15-48W

YEAR 1967
MONTH 09
DAY 21
TIME 1119

NO. DEPTHS 07
SOUNDING 0975
BT SLIDE NO 088

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.5	19.15	0.5	328	1.5	8.660		2.0
10.0		18.83	0.6	327		8.680		
20.0		4.79	0.8	337		8.140		
30.0		4.15	0.4	336		8.110		
50.0		3.98	0.3	343	0.7	8.120		
75.0		3.93	0.4	340		8.090		
96.0		3.86	0.6	343	1.3	8.000		

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	10.00	0.035		0.000	0.001	0.001	0.280	
10.0	9.80			0.000	0.001	0.001		
20.0	11.30			0.213	0.003	0.216		
30.0	11.60			0.219	0.001	0.220		
50.0	12.30	0.040		0.209	0.001	0.210	0.190	
75.0	11.85			0.217	0.001	0.218		
96.0	9.80	0.100		0.249	0.001	0.250	0.230	

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	26.8	0.200						
10.0	26.5	0.190						
20.0	26.1	0.400						
30.0	26.2	0.440						
50.0	26.2	0.480				600E00		
75.0	26.3	0.690						
96.0	26.2							

DEPTH	SPC 20	SPC 35
1.0		
10.0		
20.0		
30.0		
50.0		
75.0		
96.0		

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

LAT 43-19-18N
LON 079-19-36W

YEAR 1967
MONTH 09
DAY 21
TIME 1218

NO. DEPTHS 07
SOUNDING 0929
BT SLIDE NO C89

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.0	19.00	0.8	320	1.6	8.680		1.7
10.0		17.18	0.4	325		8.270		
20.0		4.07	0.6	335		8.050		
30.0		4.34	0.5	332		8.020		
50.0		4.17	0.8	333	0.6	7.980		
75.0		4.04	1.0	339		7.940		
91.0		4.02	1.4	338	0.7	7.940		1.5

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	9.66	0.032		0.000	0.001	0.001	0.275	
10.0	8.00			0.000	0.001	0.001		
20.0	11.60			0.225	0.001	0.226		
30.0	11.80			0.219	0.001	0.220		
50.0	11.10	0.035		0.239	0.001	0.240	0.195	
75.0	10.10			0.252	0.002	0.254		
91.0	10.00	0.095		0.240	0.002	0.242	0.225	

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	26.8	0.200				800E00		000E00
10.0	26.9	0.160				400E00		
20.0	26.2	0.420						
30.0	26.2	0.440						
50.0	26.2	0.480				800E00		
75.0	26.3	1.150						
91.0	26.3	1.200						

DEPTH	SPC 20	SPC 35
1.0		480E01
10.0		
20.0		
30.0		
50.0		
75.0		
91.0		

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

LAT 43-23-30N
LON 079-15-24W

YEAR 1967
MONTH 09
DAY 21
TIME 1306

NO. DEPTHS 07
SOUNDING 1090
BT SLIDE NO 090

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.0	18.90	0.8	326	1.2	8.650		2.1
10.0		18.44	0.6	325		8.560		
20.0		4.23	1.0	334		8.100		
50.0		4.00	0.8	329	0.3	8.140		
75.0		3.94	1.3	330		8.130		
100.0		3.79	0.7	337		8.050		
107.0		3.76	0.8	340	1.0	8.010		1.4

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	9.50	0.030		0.000	0.001	0.001	0.275	
10.0	9.10			0.000	0.001	0.001		
20.0	11.79			0.219	0.001	0.220		
50.0	11.78	0.035		0.211	0.001	0.212	0.190	
75.0	12.12			0.207	0.001	0.208		
100.0	10.50			0.239	0.001	0.240		
107.0	10.16	0.090		0.239	0.001	0.240	0.230	

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	26.7	0.090				160E01		800E00
10.0	26.8	0.120				180E01		
20.0	26.2	0.380						
50.0	26.2	0.450				600E00		
75.0	26.0	0.420						
100.0	26.2	1.250						
107.0	26.2					200E00		800E00

DEPTH	SPC 20	SPC 35
1.0		530E01
10.0		
20.0		
50.0		
75.0		
100.0		
107.0		590E01

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

LAT 43-24-42N
LON 079-11-24W

YEAR 1967
MONTH 09
DAY 21
TIME 1412

NO. DEPTHS 08
SOUNDING 1152
BT SLIDE NO 091

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.0	19.00	0.8	331	0.4	8.650		0.9
10.0		18.37	0.7	330		8.490		
20.0		4.22	0.7	335		8.100		
30.0		4.12	1.5	335		8.110		
49.0		4.05	0.8	334	0.6	8.130		
74.0		3.97	1.1	330		8.150		
98.0		3.78	1.0	337		8.080		
111.0		3.78	1.1	340	0.7	8.020		1.2

DEPTH	O2 W	T PO4	NH3	NO3 NF	NO2 NF	T NO3	TKJ N	ORG N
1.0	8.60	0.020		0.000	0.001	0.001	0.280	
10.0	9.30			0.000	0.001	0.001		
20.0	11.60			0.229	0.001	0.230		
30.0	11.70			0.225	0.001	0.226		
49.0	12.02	0.050		0.219	0.001	0.220	0.350	
74.0	12.38			0.217	0.001	0.218		
98.0	10.90			0.231	0.001	0.232		
111.0	9.73	0.095		0.247	0.001	0.248	0.215	

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0	27.3	0.090				320E01		740E01
10.0	27.2	0.100				000E00		
20.0	26.8	0.390						
30.0	26.5	0.410						
49.0	26.4	0.430				380E01		
74.0	26.6	0.410						
98.0	26.6	1.150						
111.0	26.8					340E01		800E00

DEPTH	SPC 20	SPC 35
1.0		690E01
10.0		
20.0		
30.0		
49.0		
74.0		
98.0		
111.0		900E01

DEPTH	CL	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR
1.0		0.470		0.002	7.11	120E01		440E01
4.0		0.420						
7.0		0.270						
10.0		0.310				000E00		
13.0		0.310						
16.0		0.380						
19.0		0.690						
22.0		0.450						
25.0		0.690						
28.0		0.560						
30.0		0.590						
33.0		0.600						
36.0		0.570						
39.0		0.730						
49.0						700E00		
73.0								
78.0								

DEPTH	SPC 20	SPC 35
1.0	920E01	
4.0		
7.0		
10.0		
13.0		
16.0		
19.0		
22.0		
25.0		
28.0		
30.0		
33.0		
36.0		
39.0		
49.0		
73.0		
78.0		

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	186.0	89.8	27.8	40.800	7.800	1.400	12.600
4.0							
7.0							
10.0							
13.0							
16.0							
19.0							
22.0							
25.0							
28.0							
30.0							
33.0							
36.0							
39.0							
49.0	196.0	94.7	27.6	42.000	7.800	1.300	12.000
73.0							
78.0	202.0	94.2	27.6	42.000	7.800	1.300	12.200