1967

LIMNOLOGICAL DATA REPORT NO. 1

LAKE ONTARIO

CRUISE 67 - 001, June 12 - 17

CRUISE 67 - 003, June 25 - 29

CRUISE 67 - 005, July 10 - 13

PUBLISHED BY
CANADIAN OCEANOGRAPHIC DATA CENTRE

CANADA CENTRE FOR INLAND WATERS

BURLINGTON • ONTARIO

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1967

CANADA CENTRE FOR INLAND WATERS
BURLINGTON, ONTARIO

Programmed by

GREAT LAKES DIVISION

INLAND WATERS BRANCH

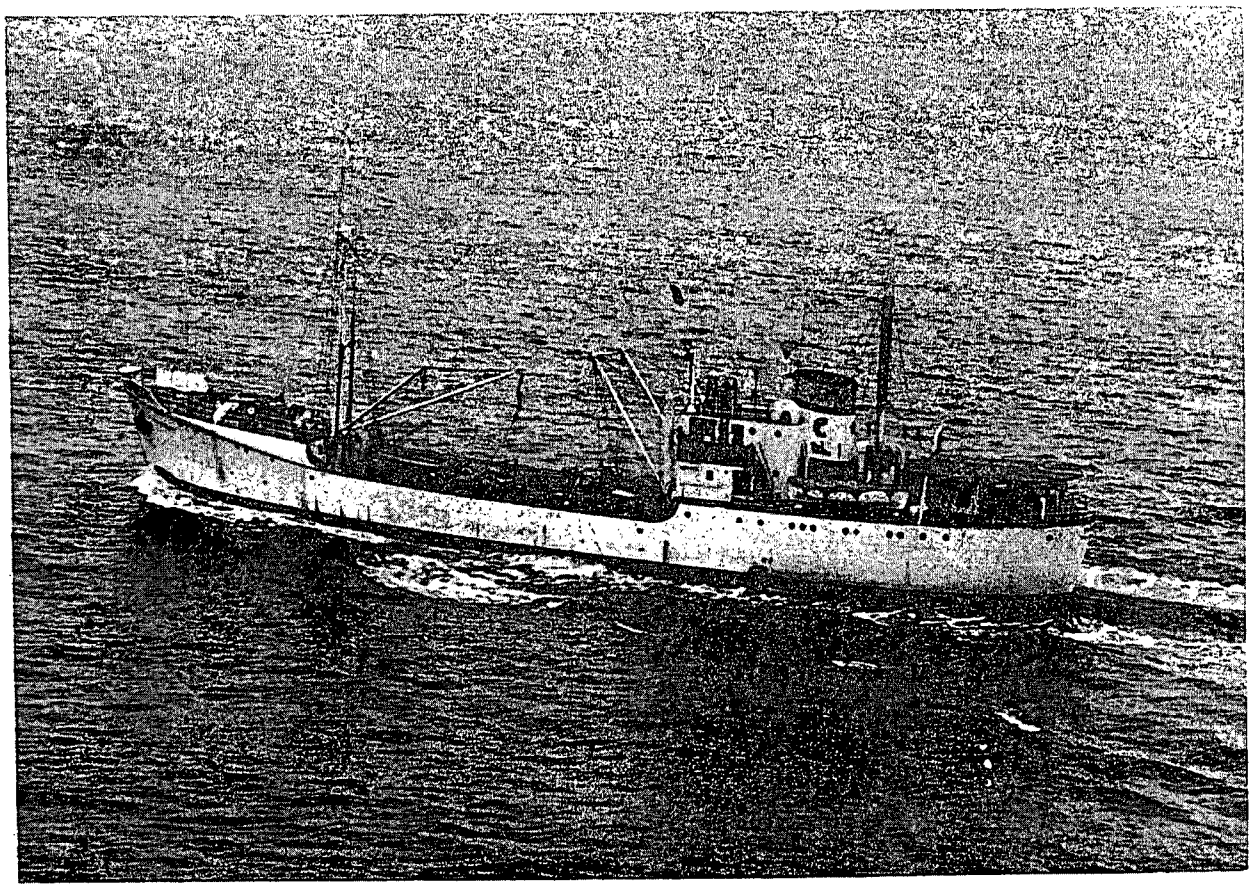
DEPARTMENT of ENERGY, MINES & RESOURCES

and

PUBLIC HEALTH ENGINEERING DIVISION

DEPARTMENT of NATIONAL HEALTH & WELFARE

CANADA



M.V. "Theron"

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.

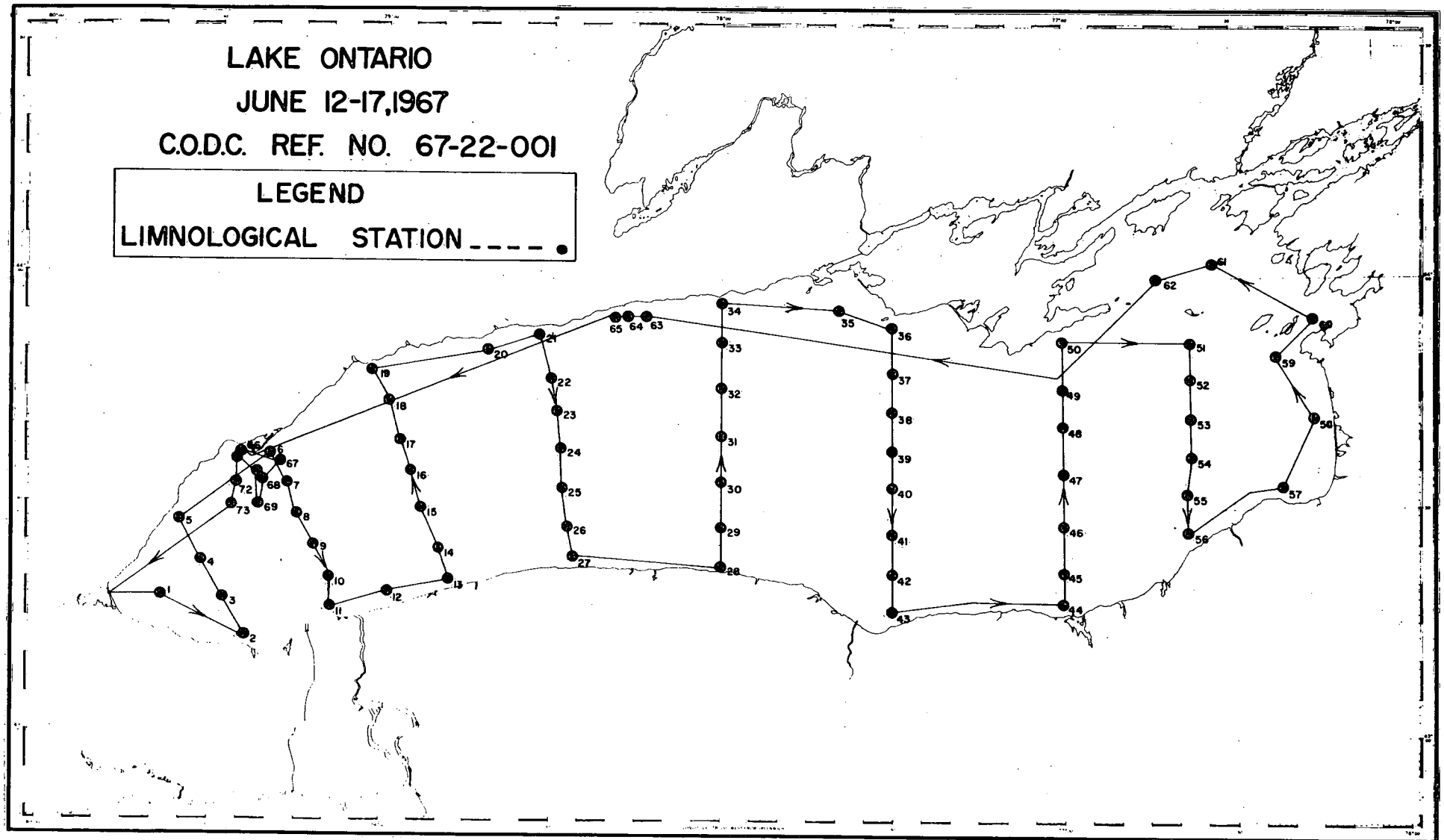
The 1967 surveys were carried out by the Great Lakes Division (Inland Waters Branch) and the Canadian Hydrographic Service (Marine Sciences Branch), both of which are Branches of the Department of Energy, Mines and Resources, and by the Public Health Engineering Division of the Department of National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



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LAKE ONTARIO

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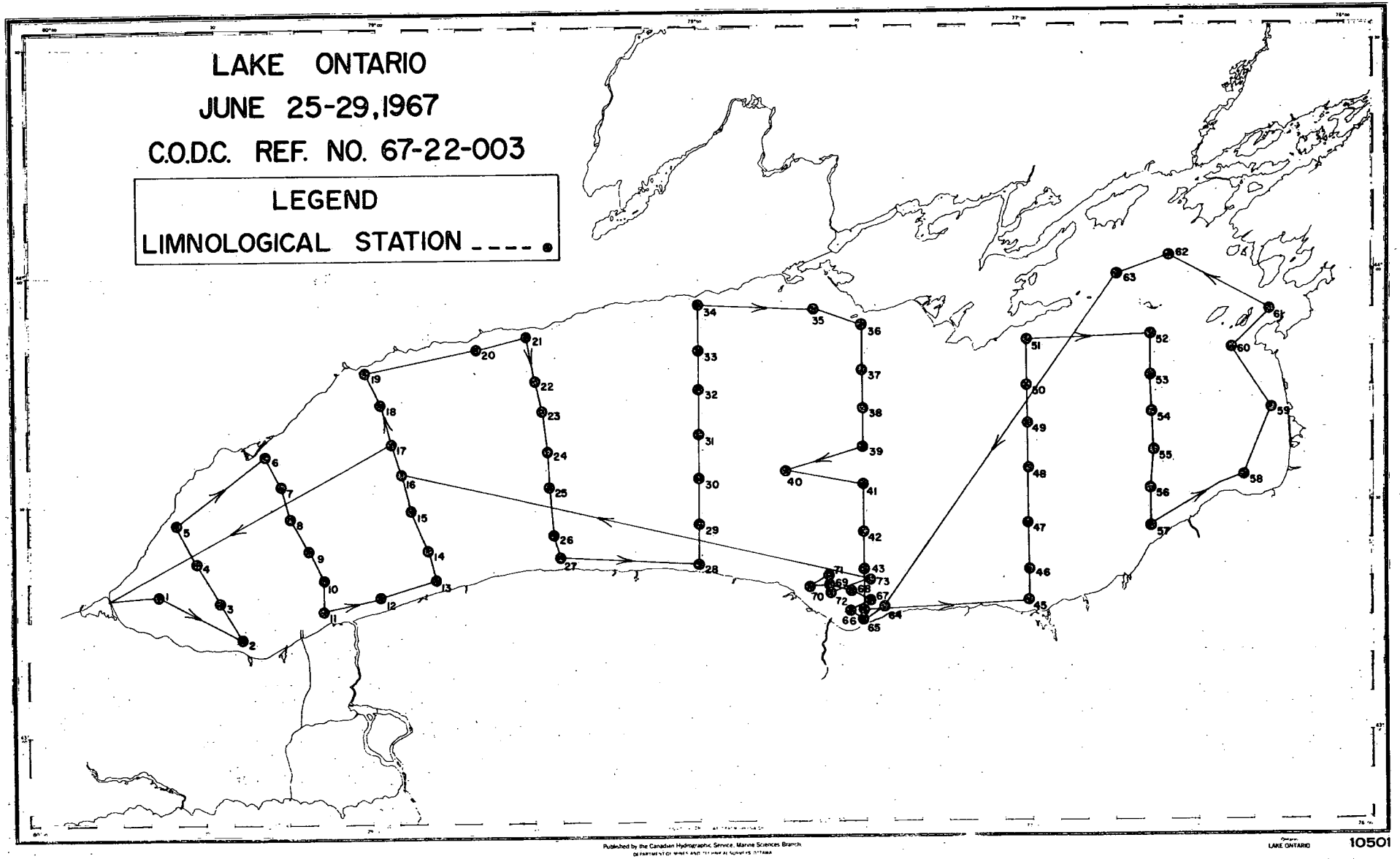
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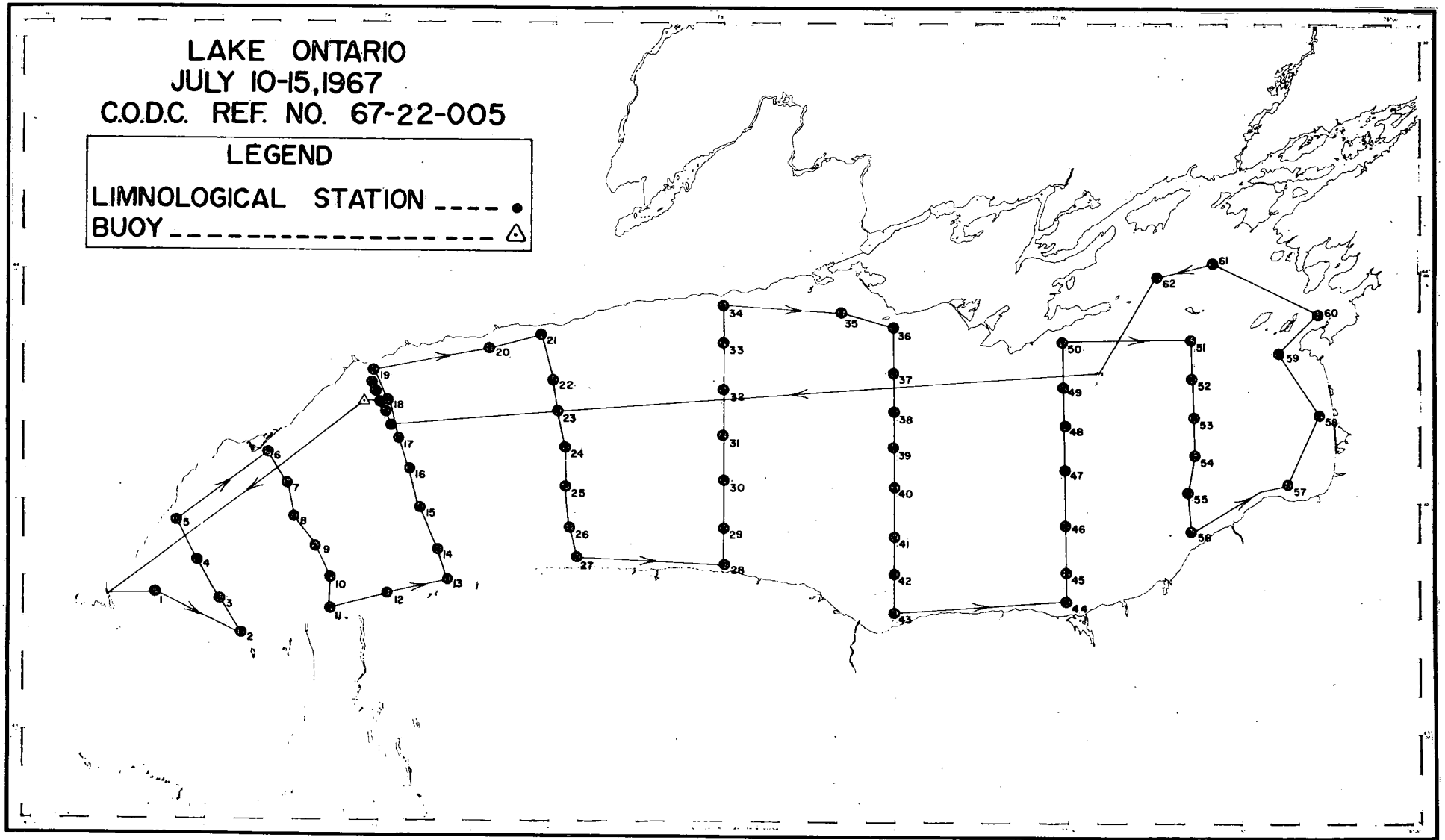

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LAKE ONTARIO

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	Monitor Ontario Theron	Monitor Ontario Theron	Monitor Ontario Theron	Monitor Ontario Theron	Monitor Ontario Theron	Monitor Ontario Theron
81	78	75	91	81	50	83
81	78	75	91	81	50	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
X X X X	X X X X	X X X	X X X X	X X X X	X X X X	X X X X
X X X X X	X X X X X	X X X	X X X X X	X X X	X X X	X X X X X
X	X X	X	X X	X X	X X	X 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 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:

$130E02 = 1.30 \times 10^2 = 130.$
$100E00 = 1.00 \times 10^0 = 1.$
$000E00 = 0.00 \times 10^0 = 0.$

Note: For some parameters, the analytical methods listed in the Star System Manual (REF 12) 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.

References

1. Allan, J.E. 1961. The Use of Organic Solvents in Atomic Absorption Spectrophotometry. Spectrochim. Acta: pp. 467-473.

2. American Public Health Association. 1965. Standard Methods for the Examination of Water and Wastewater. Twelfth Ed. American Public Health Association, New York.

3. American Society for Testing and Materials. 1966. Book of ASTM Standards Part 23: Industrial Water; Atmospheric Analysis. American Society for Testing and Materials, Philadelphia.

4. Bendschneider, K. and R.J. Robinson. 1952. A New Spectrophotometric Method for the Determination of Nitrite in Sea Water. J. Mar. Res., 11, pp. 87-96.

5. Brewer, P.G. and J.P. Riley. 1965. The Automatic Determination of Nitrate in Sea Water. Deep Sea Research, vol. 12: pp. 765-772.

6. Brooks, R.R., B.J. Presley and T.R. Kaplan. 1967. Determination of Copper in Saline Waters by Atomic Absorption Spectrophotometry with APDC-MIBK Extraction. Anal. Chim. Acta, 38: pp. 321-326.

7. Chan K.M. and J.P. Riley. 1966. The Automatic Determination of Phosphate in Sea Water. Deep Sea Research, 1966, vol. 13, pp. 467-471.

8. Collins P. and H. Diehl. 1959. Tripyridyl-s-Triazine. A reagent for the determination of Iron in Sea Water. Journal of Marine Research, vol. 18, 1959.

9. Corning Scientific Instruments. 1965. Expanded-Scale pH meter. Corning Glass Works, Corning, N.Y.

10. Fritz, J.S. and S.S. Yamamura. 1955. Rapid Microtitration of Sulfate. Analytical Chemistry, vol. 27, no. 9, p. 1461.

11. Geldreich, E.G., H.F. Clark and P.W. Kabler. 1965. A Fecal Coliform Media for the Membrane Filter Techniques. JAWWA, 57: 208.

12. Glennie, C.J. and T.M. MacLeod. 1967. The Star system for storage and retrieval of scientific data. Canadian Oceanographic Data Centre, Ottawa.

13. Hach Chemical Company. Laboratory Turbidimeter Model 1860. Hach Chemical Company, Ames, Iowa.

14. I.J.C. agencies. 1966. Working Committee on Methodology. A digest of analytical methods employed by laboratories associated with International Joint Commission Research on the Great Lakes. 135 pp.

15. Julian, E.C. and R.C. Kroner. Determination of Organic Nitrogen in Water by Semi-Automated Analysis (Communication).

16. Lorenzen, Carl J. 1966. A method for the continuous measurement of in vivo chlorophyll concentrations. Deep-Sea Research, vol. 13, pp. 223 and 227.

17. Mulford, E.C. 1966. Solvent Extraction Technique for Atomic Absorption Spectroscopy. Atomic Absorption Newsletter 5 (4): pp. 88-90.

18. Parsons, T.R. and J.D.H. Strickland. 1963. Discussion of Spectrophotometric Determination of Marine-plant Pigments, with Revised Equations for Ascertaining Chlorophylls and Carotenoids. Journal of Marine Research, 21 (3).

19. Perkin-Elmer Corp. 1966. Analytical Methods for Atomic Absorption Spectrophotometry. Perkin-Elmer Corp., Norwalk, Connecticut.

20. Radiometer Copenhagen. Direct Reading Conductivity Meter Type CDM2. Radiometer Copenhagen, Denmark.

21. Sprague, S. and W. Slavin. 1964. Determination of Very Small Amounts of Copper and Lead in KCl by Organic Extraction and Atomic Absorption Spectrophotometry. Perkin-Elmer Atomic Absorption Newsletter No. 20, May.

22. Technicon AutoAnalyzer Methodology, Kjeldahl Nitrogen (Micro Level) Bulletin N-3C.

23. Technicon AutoAnalyzer Methodology, Bulletin C2a, Chloride 11a, 1960.

24. Technicon AutoAnalyzer Methodology, Bulletin H2, Hardness IIIG (Water Analysis), 1960.

25. Technicon AutoAnalyzer Methodology, Inorganic Phosphate, N Method N 4b, 1965.

26. Technicon AutoAnalyzer Methodology, Methyl Orange and Phenolphthalein - M & P Alkalinity, 1961.

27. Technicon Instruments Corp. 1967. Instruction Manual FPH-111. Technicon Instruments Corp., Ardsley, New York.

28. Technicon Instruments Corp. 1960. AutoAnalyzer Methodology Silica, 11F (Water Analysis).

29. Thomas, J.F.J. and J.J. Lynch. 1960. Determination of Carbonate Alkalinity in Natural Waters. JAWWA, 52: pp. 259-268.

30. Walsh, A. 1955. The Application of Atomic Absorption Spectra to Chemical Analysis. Spectrochim. Acta 7, 108.

31. Weston & Stack Inc. Manufacturers Manual, 1426 Lewis Lane, West Chester, Pa.

32. U.S. Hydrographic Office. 1955. Publ. No. 607. Instruction Manual for Oceanographic Observations. Second Edition, 211 pp.

33. Van Slyke & Hiller, J. Biol. Chem. 102, 499, (1933). Borsook, J. Biol. Chem. 110, 481, (1935). Russel, J. Biol. Chem. 156, 457, (1944). Technicon AutoAnalyzer Methodology, Bulletin A4a, Ammonia Vb, (1960).

CRUISE 67 - 001, June 12 - 17

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

LAT 43-18-00N
LON 079-39-00W

YEAR 1967
MONTH 06
DAY 12
TIME 2109

NO. DEPTHS 05
SOUNDING 0494
BT SLIDE NO 001

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0	2.0	5	18.44	0.8	313	2.8	9.080	88.2
10.0		5	9.77	0.5	311		8.790	
20.0		5	5.39	0.3	318		8.480	
30.0		5	4.50	0.2	319		8.270	
47.0		5	4.18	0.9	310	4.0	8.150	90.4

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	14.90		0.009	0.003	0.008	0.002		
10.0	13.50		0.006	0.014	0.049	0.004		
20.0	14.20		0.003	0.009	0.136	0.002		
30.0	12.55		0.015	0.023	0.162	0.002		
47.0	12.10		0.054	0.043	0.170	0.002		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.065	126.2	0.007		120E01		000E00	280E02
10.0	0.055				120E01			
20.0	0.225							
30.0	0.365							
47.0	0.540	127.8			100E00		000E00	170E02

DEPTH	SPC 35	FE NF
1.0	180E01	0.025
10.0		0.012
20.0		0.007
30.0		0.010
47.0	900E00	0.018

C-REF-NO 001
CONS. NO 002
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 13
TIME 0029

NO. DEPTHS 02
SOUNDING 0107
BT SLIDE NO 002

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0		0	16.98	2.4	319	3.5	8.860	90.8
8.0		5	5.64	1.1	328	2.7	7.770	91.0

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	12.55		0.009	0.008	0.263	0.005		
8.0	12.00		0.006	0.032	0.139	0.003		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.050	127.4						
8.0	0.125	128.4						

DEPTH	SPC 35	FE NF
1.0		0.016
8.0		0.012

C-REF-NO 001
CONS. NO 003
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 13
TIME 0201

NO. DEPTHS 16
SOUNDING 0768
BT SLIDE NO 003

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0		5	13.80	0.7	294	2.0	8.910	91.4
4.0		5	13.80	0.7	310	3.2	8.960	87.0
7.0		5	11.80	0.8	299	2.4	8.700	84.4
10.0		5	6.02	0.5	312	1.6	8.690	89.8
13.0		5	5.17	0.9	325	3.1	8.300	89.6
16.0		5	4.83	0.6	310	2.2	8.380	90.2
19.0		5	4.27	0.6	312	1.4	8.250	
22.0		5	4.12	0.5	325	1.6	8.210	90.8
25.0		5	4.11	0.3	319	2.9	8.200	91.2
28.0		5	4.13	0.3	320	0.4	8.230	91.0
31.0		5	4.12	0.6	321	0.2	8.240	87.4
34.0		5	4.09	0.4	321	1.4	8.160	88.4
37.0		5	4.09	0.2	320	0.0	8.170	88.2
40.0		5	4.11	0.2	321	0.2	8.170	88.0
50.0		5	4.05	0.3	321	0.5	8.170	88.4
75.0		5	3.96	0.2	324	4.4	8.160	88.2

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	14.30		0.003	0.000	0.000	0.002		26.6
4.0	14.50		0.003	0.002	0.005	0.002		24.8
7.0	14.80		0.003	0.001	0.007	0.003		24.6
10.0	14.20		0.003	0.005	0.102	0.003		25.6
13.0	13.30		0.006	0.004	0.142	0.001		24.8
16.0	13.30		0.006	0.004	0.156	0.001		24.8
19.0	13.15		0.012	0.026	0.166	0.001		
22.0	12.80		0.015	0.049	0.166	0.001		
25.0	13.05		0.018	0.017	0.166	0.001		
28.0	12.95		0.015	0.014		0.001		
31.0	13.10		0.015	0.014	0.168	0.001		
34.0	13.15		0.015	0.015	0.168	0.001		
37.0	13.15		0.018	0.002	0.168	0.001		
40.0	13.15		0.021	0.004	0.168	0.001		
50.0	13.10							
75.0	13.00		0.024	0.007	0.169	0.001		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.040	132.0	0.006		150E01		100E00	450E01
4.0	0.030							
7.0	0.030	124.8						
10.0	0.020	128.0			000E00			
13.0	0.125	127.4						
16.0	0.270	127.2						
19.0	0.395	128.0						
22.0	0.450	127.6						
25.0	0.390	127.8						
28.0	0.370							
31.0	0.360		0.006					
34.0	0.415							
37.0	0.430							
40.0	0.395							
50.0					000E00			
75.0	0.410				000E00		000E00	600E00

DEPTH	SPC 35	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	150E01	194.0	91.2	27.7	38.500	7.900	1.400	12.300
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	500F00	196.0	91.7	27.4	38.600	7.900	1.400	12.400

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	0.017	0.004	0.003	0.010
4.0					0.023			
7.0					0.008			
10.0					0.009			
13.0					0.006			
16.0					0.010			
19.0					0.005			
22.0					0.005			
25.0					0.005			
28.0					0.004			
31.0					0.008			
34.0					0.012			
37.0					0.008			
40.0					0.007			
50.0								
75.0	0.000	0.000	0.000	0.014	0.008	0.004	0.003	0.010

DEPTH	NI NF	SR NFA	ZN NF	BOD W
1.0	0.002	0.170	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				
75.0	0.001	0.195	0.100	

C-REF-NO 001
CONS. NO 004
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 13
TIME 0620

NO. DEPTHS 06
SOUNDING 0768
BT SLIDE NO 004

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0		5	14.04	0.4	307	1.6	8.850	87.4
10.0		5	5.30	0.4	314		8.620	
20.0		5	4.45	0.3	318		8.400	
30.0		5	4.18	0.2	311		8.310	
50.0		5	3.95	0.2	319	0.0	8.250	87.0
75.0		5	3.88	0.4	310	2.4	8.240	

DEPTH	O2 W D	O2 P R	PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	13.60			0.044	0.002	0.002		
10.0	14.35			0.001	0.130	0.002		
20.0	13.20			0.009	0.168	0.001		
30.0	13.10			0.014	0.169	0.001		
50.0	13.00			0.024	0.170	0.001		
75.0	12.95							

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0		136.9	0.003		000E00		000E00	160E01
10.0					000E00			
20.0								
30.0								
50.0					000E00			
75.0					000E00		000E00	800E00

DEPTH	SPC 35	FE NF
1.0	140E01	0.022
10.0		0.008
20.0		0.007
30.0		0.007
50.0		0.006
75.0	600E00	

C-REF-NO 001
CONS. NO 005
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 13
TIME 0738

NO. DEPTHS 04
SOUNDING 0256
BT SLIDE NO 005

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0		5	14.48	1.8	314	2.6	8.800	85.4
10.0		5	9.98	0.8	314		8.730	
20.0		5	6.49	0.3	317		8.600	
25.0		5	6.15	0.2	322	0.8	8.520	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	13.55		0.023	0.016	0.038	0.008		
10.0	13.20		0.020	0.034	0.076	0.004		
20.0	13.10		0.017		0.121	0.003		
25.0	13.30		0.014	0.025	0.128	0.002		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.120	130.1						
10.0	0.040							
20.0	0.075							
25.0	0.120							

DEPTH	SPC 35	FE NF
1.0		0.023
10.0		0.009
20.0		0.007
25.0		0.008

C-REF-NO 001
CONS. NO 006
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 13
TIME 1000

NO. DEPTHS 02
SOUNDING 0116
BT SLIDE NO 006

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0		5	15.11	2.0	307	2.8	8.880	
10.0		5	12.13	2.0	314	3.7	8.870	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	13.00		0.018	0.007	0.002	0.001		
10.0	13.50		0.017	0.001	0.018	0.002		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.035							
10.0	0.050							

DEPTH	SPC 35	FE NF
1.0		0.014
10.0		0.005

C-REF-NO 001
CONS. NO 007
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 13
TIME 1106

NO. DEPTHS 07
SOUNDING 0951
BT SLIDE NO 007

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0		5	8.71	0.4	303	0.8	8.710	88.6
10.0		5	5.08	0.2	303		8.450	
20.0		5	4.13	0.3	342		8.240	
30.0		5	4.05	0.3	330		8.250	
50.0		5	3.92	0.1	330	0.7	8.250	88.0
75.0		5	3.84	0.4	327		8.270	
93.0		5	3.77	0.2	331	1.0	8.300	88.0

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	14.00		0.015	0.008	0.102	0.002		
10.0	13.75		0.017	0.005	0.155	0.001		
20.0	13.10		0.033	0.003	0.171	0.001		
30.0	13.10		0.035	0.006	0.172	0.001		
50.0	13.05		0.038	0.008	0.172	0.001		
75.0	13.10		0.036	0.009	0.173	0.001		
93.0	13.00		0.042	0.025	0.174	0.001		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.220		0.003		400E00		000E00	190E01
10.0	0.305				500E00			
20.0	0.375							
30.0	0.420							
50.0	0.415				000E00			
75.0	0.440							
93.0	0.475				200E00		000E00	900E00

DEPTH	SPC 35	FE NF
1.0	300E00	0.025
10.0		0.007
20.0		0.007
30.0		0.007
50.0		0.001
75.0		0.006
93.0	200E00	0.007

C-REF-NO 001
CONS. NO 008
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 13
TIME 1231

NO. DEPTHS 08
SOUNDING 1280
BT SLIDE NO 008

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0	3.0	5	13.62	0.7	320	2.0	8.980	88.2
10.0		5	5.19	0.6	317		8.990	88.8
20.0		5	3.89	0.5	314		8.710	
30.0		5	3.89	0.4	317		8.650	
50.0		5	3.94	0.2	317	0.0	8.400	88.0
75.0		5	3.91	0.2	322		8.330	
100.0		5	3.74	0.2	321		8.300	
126.0		5	3.69	0.4	328	0.5	8.220	88.0

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	13.40		0.012	0.013	0.005	0.003		
10.0	15.10		0.012	0.022	0.018	0.004		
20.0	13.50		0.012	0.029	0.127	0.002		
30.0	13.85		0.009	0.037	0.120	0.002		
50.0	13.20		0.039	0.023	0.175	0.001		
75.0	13.20		0.039	0.031	0.175	0.001		
100.0	13.05		0.057	0.045	0.175	0.001		
126.0	12.75		0.048	0.017	0.176	0.001		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.090		0.006		140E01		000E00	180E02
10.0	0.105				000E00			
20.0	0.380							
30.0	0.385							
50.0	0.535				000E00			
75.0	0.515							
100.0	0.400							
126.0					000E00		000E00	190E01

DEPTH	SPC 35	FE NF
1.0	380E01	0.017
10.0		0.010
20.0		0.014
30.0		0.010
50.0		0.008
75.0		0.008
100.0		0.008
126.0	110E01	0.010

C-REF-NO 001
CONS. NO 009
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 13
TIME 1523

NO. DEPTHS 08
SOUNDING 1134
BT SLIDE NO 009

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0	2.5	5	14.59	1.2	317	1.2	8.750	87.4
10.0		5	8.27	0.5	311		8.600	
20.0		5	4.10	0.2	319		8.320	
30.0		5	3.93	0.1	314		8.190	
50.0		5	3.89	0.1	314	1.9	8.180	88.0
75.0		5	3.86	0.1	313		8.170	
100.0		5	3.77	0.1	318		8.110	
111.0		5	3.73	0.1	317	0.9	8.120	87.4

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	12.05		0.012	0.008	0.024	0.003		
10.0	13.05		0.009	0.014	0.086	0.002		
20.0	13.05		0.021	0.009	0.172	0.001		
30.0	12.70		0.030	0.020	0.172	0.001		
50.0	12.80		0.036	0.010	0.173	0.001		
75.0	12.95		0.036	0.008	0.173	0.001		
100.0	12.70		0.036	0.045	0.174	0.001		
111.0	12.45		0.036	0.007	0.174	0.001		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.060		0.006		220E01		000E00	
10.0	0.075							
20.0	0.425							
30.0	0.425							
50.0	0.500				000E00		000E00	
75.0	0.460							
100.0	0.400							
111.0	0.435							

DEPTH	SPC 35	FE NF
1.0		0.010
10.0		0.008
20.0		0.004
30.0		0.005
50.0		0.005
75.0		0.003
100.0		0.005
111.0		0.007

C-REF-NO 001
CONS. NO 010
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 13
TIME 1835

NO. DEPTHS 07
SOUNDING 0841
BT SLIDE NO 010

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0	2.5	5	18.37	2.2	322	4.4	8.610	86.8
10.0		5	10.22	1.5	312		8.760	
20.0		5	4.45	0.7	314		8.300	
30.0		5	4.38	1.0	313		8.220	
50.0		5	3.97	0.7	314	3.1	8.170	90.6
75.0		5	3.91	0.7	315		8.090	
82.0		5	3.89	0.6	315	4.0	8.060	89.6

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	12.35		0.015	0.030	0.038	0.004		
10.0	13.40		0.012	0.037	0.034	0.004		
20.0	12.40		0.012	0.100	0.155	0.001		
30.0	12.51		0.030	0.100	0.156	0.002		
50.0	12.80			0.075	0.167	0.001		
75.0	12.85			0.034	0.167	0.002		
82.0	12.25			0.033	0.169	0.002		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.285		0.006		110E02		000E00	
10.0	0.365				110E02			
20.0	0.270							
30.0	0.355							
50.0	0.075	127.6			400E00			
75.0	0.075							
82.0	0.460	127.0			000E00		000E00	

DEPTH	SPC 35	FE NF
1.0		0.015
10.0		0.010
20.0		0.006
30.0		0.007
50.0		0.006
75.0		0.006
82.0		0.008

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

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

YEAR 1967
MONTH 06
DAY 13
TIME 1945

NO. DEPTHS 03
SOUNDING 0146
BT SLIDE NO 011

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0	2.5	5	17.74	1.7	326	3.4	7.400	89.4
10.0		5	10.12	0.9	334		8.250	
13.0		5	6.01	1.1	328	3.1	7.550	90.8

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	10.70		0.015			0.004		
10.0	12.26		0.009			0.004		
13.0	12.38		0.009			0.004		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.445	126.6	0.005		170E01		000E00	
10.0	0.430				960E01			
13.0	0.410	127.6			110E02		000E00	

DEPTH	SPC 35	FE NF
1.0		0.009
10.0		0.007
13.0		0.009

C-REF-NO 001
CONS. NO C12
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 13
TIME 2125

NO. DEPTHS 04
SOUNDING 0256
BT SLIDE NO 012

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0	2.8	5	13.06	1.2	316		8.500	88.2
10.0		5	11.76	1.1	320		8.600	
20.0		5	5.57	0.8	319		8.300	
24.0		5	5.15	0.7	327		8.200	90.4

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	12.19		0.012		0.050	0.004		
10.0	12.08		0.012		0.050	0.004		
20.0	12.19		0.009	0.020	0.078	0.004		
24.0	11.90		0.009	0.035	0.105	0.003		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.060	126.0	0.004		850E01	120E01	000E00	100E01
10.0	0.115				100E01			
20.0	0.075							
24.0	0.125	128.4			600E01	140E01	000E00	400E01

DEPTH	SPC 35	FE NF
1.0	100E01	0.008
10.0		0.008
20.0		0.007
24.0	100E01	

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

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

YEAR 1967
MONTH 06
DAY 13
TIME 2254

NO. DEPTHS 04
SOUNDING 0293
BT SLIDE NO 013

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0	4.0	5	8.82	0.9	310		7.700	90.2
10.0		5	5.19	0.6	306		8.050	
20.0		5	4.43	0.7	310		8.000	
27.0		5	4.15	0.7	317		8.050	93.8

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	11.53		0.021	0.034	0.093	0.003		
10.0	12.72		0.024	0.024	0.140	0.002		
20.0	12.90		0.033	0.037	0.173	0.002		
27.0	12.59		0.042	0.010	0.188	0.002		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.070	137.3	0.006		120E01			320E02
10.0	0.315				800E00			
20.0	0.425							
27.0	0.395	133.0			170E01		000E00	190E02

DEPTH	SPC 35	FE NF
1.0	360E01	0.007
10.0		0.004
20.0		0.003
27.0	210E01	0.006

C-REF-NO 001
CONS. NO 014
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 13
TIME 2357

NO. DEPTHS 08
SOUNDING 1097
BT SLIDE NO 014

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0	3.0	5	14.34	0.1	317	2.4	8.600	89.1
10.0		5	9.42	1.0	317		8.500	
20.0		5	4.02	0.4	314		8.100	
30.0		5	3.93	0.4	317		8.000	93.3
50.0		5	3.88	0.3	317	2.1	8.500	86.7
75.0		5	3.82	0.4	313		8.000	
100.0		5	3.78	0.2	314		8.000	
108.0		5	3.75	0.3	315	2.2	8.100	92.2

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	12.50		0.009	0.007	0.033	0.003		
10.0	12.90		0.009	0.008	0.078	0.003		
20.0	13.00		0.030	0.025	0.213	0.001		
30.0	13.10		0.033	0.007	0.215	0.001		
50.0	13.00		0.036	0.010	0.215	0.001		
75.0	13.05		0.036	0.005	0.218	0.001		
100.0	13.10		0.045	0.016	0.218	0.001		
108.0	13.10		0.039	0.006	0.218	0.001		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.090	129.2	0.006		800E00		000E00	420E02
10.0	0.155				100E00			
20.0	0.410							
30.0	0.500	136.1						
50.0	0.510	132.0			000E00			
75.0	0.495							
100.0	0.410							
108.0	0.444	129.4			000E00		000E00	120E01

DEPTH	SPC 35	FE NF
1.0	150E02	0.008
10.0		0.008
20.0		0.006
30.0		0.006
50.0		0.005
75.0		0.006
100.0		0.008
108.0	500E00	0.007

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

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

YEAR 1967
MONTH 06
DAY 14
TIME 0142

NO. DEPTHS 08
SOUNDING 1317
BT SLIDE NO 015

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0		5	15.13	0.9	310	3.0	8.900	92.6
10.0		5	6.05	0.8	310		8.600	
20.0		5		0.8	317		8.750	
30.0		5	5.10	0.5	313		8.250	
50.0		5	3.89	0.3	317	2.4	8.100	92.6
75.0		5	3.88	0.3	323		8.000	
100.0		5	3.83	0.3	319		8.000	
130.0		5	3.77	0.2	317	1.1	8.100	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	12.80		0.009	0.008	0.000	0.001		27.0
10.0	13.20		0.006	0.004	0.060	0.001		
20.0	13.90		0.009	0.006	0.028	0.002		
30.0	13.55		0.012	0.010	0.185	0.001		
50.0	13.25		0.036	0.009	0.213	0.001		26.5
75.0	13.15		0.036	0.009	0.218	0.001		
100.0	13.05		0.054	0.012	0.218	0.001		
130.0	13.15		0.039	0.008	0.218	0.001		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.070	132.0	0.006		300E00		000E00	170E01
10.0	0.120				000E00			
20.0	0.265							
30.0	0.400							
50.0	0.500	133.0			000E00			
75.0	0.410							
100.0	0.360							
130.0	0.350				000E00		000E00	700E00

DEPTH	SPC 35	FE NF
1.0	260E01	0.008
10.0		0.007
20.0		0.009
30.0		0.009
50.0		0.008
75.0		0.008
100.0		0.003
130.0		0.003

C-REF-NO 001
CONS. NO 016
COUNTRY 18
INSTITUTE 22

LAT 43-35-00N
LON 078-55-12W

YEAR 1967
MONTH 06
DAY 14
TIME 0313

NO. DEPTHS 08
SOUNDING 1207
BT SLIDE NO 016

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0		5	13.64	0.8	314	7.2	8.800	91.3
10.0		5	12.73	0.8	311		8.880	
20.0		5	4.79	0.4	317		8.310	
30.0		5	4.46	0.4	314		8.240	
50.0		5	3.93	0.3	319	2.4	8.200	92.0
75.0		5	3.83	0.2	319		8.170	
100.0		5	3.78	0.2	319		8.160	
119.0		5	3.74	0.4	322	2.8	8.160	92.0

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	13.80		0.030	0.008		0.002		27.0
10.0	14.40		0.012	0.006		0.002		
20.0	13.60		0.021	0.011	0.225	0.001		
30.0	13.15		0.030	0.009	0.233			
50.0	13.35		0.039	0.015	0.233			27.0
75.0	13.30		0.039	0.017	0.234			
100.0	13.30		0.045	0.050	0.234			
119.0	13.20		0.042	0.023	0.235			27.0

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0		134.0	0.007		000E00		000E00	210E01
10.0					000E00			
20.0								
30.0								
50.0		133.0			000E00			
75.0								
100.0								
119.0		133.0			000E00		000E00	140E01

DEPTH	SPC 35	FE NF
1.0	500E00	0.008
10.0		0.008
20.0		0.004
30.0		0.003
50.0		0.004
75.0		0.004
100.0		0.002
119.0	700E00	0.002

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

LAT 43-39-00N
LON 078-57-30W

YEAR 1967
MONTH 06
DAY 14
TIME 0422

NO. DEPTHS 08
SOUNDING 1097
BT SLIDE NO 017

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0		5	8.22	0.5	308	3.7	8.160	92.0
10.0		5	6.47	0.4	310		8.320	
20.0		5	4.56	0.3	310		8.270	
30.0		5	4.20	0.2	315		8.220	
50.0		5	3.90	0.2	315	2.0	8.200	92.0
75.0		5	3.82	0.3	316		8.180	
100.0		5	3.76	0.3	318		8.180	
107.0		5	3.73	0.3	319	2.6	8.160	92.0

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	13.75		0.012	0.003	0.183	0.001		27.0
10.0	14.00		0.012	0.002	0.182	0.001		
20.0	13.50		0.027	0.005	0.225	0.001		
30.0	13.35		0.033	0.006	0.230	0.001		
50.0	13.25		0.036	0.005	0.233	0.001		27.5
75.0	13.20		0.039	0.007	0.233	0.001		
100.0	13.20		0.042	0.011	0.233	0.001		
107.0	13.30		0.042	0.005	0.233	0.001		27.5

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.240	134.0	0.004		000E00			700E00
10.0	0.240				000E00			
20.0	0.265							
30.0	0.330							
50.0	0.315	134.0			000E00			
75.0	0.370							
100.0	0.300							
107.0	0.335	132.0			000E00		000E00	200E00

DEPTH	SPC 35	FE NF
1.0	120E01	0.005
10.0		0.004
20.0		0.003
30.0		0.004
50.0		0.004
75.0		0.006
100.0		0.004
107.0	700E00	0.004

C-REF-NO C01
CONS. NO 018
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 14
TIME 0535

NO. DEPTHS 06
SOUNDING 0732
BT SLIDE NO 018

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0		5	10.81	0.8	303	3.5	8.650	92.0
10.0		5	6.14	0.5	312		8.560	
20.0		5	5.17	0.4	308		8.360	
30.0		5	4.41	0.3	309		8.240	
50.0		5	4.41	0.3	308	3.1	8.240	93.0
71.0		5	3.93	0.4	317	3.1	8.180	92.0

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	14.55		0.003	0.007	0.083	0.004		27.0
10.0	14.50			0.005	0.143	0.002		
20.0	13.50		0.006	0.005	0.200	0.001		
30.0	13.30		0.015	0.004	0.225			
50.0	13.40		0.015	0.005	0.225			27.0
71.0	13.15		0.030	0.007	0.238			26.5

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0		133.0	0.006		000E00		000E00	900E00
10.0					000E00			
20.0								
30.0								
50.0		135.0			000E00			
71.0		134.0			000E00		000E00	210E01

DEPTH	SPC 35	FE NF
1.0	110E01	0.008
10.0		0.006
20.0		0.007
30.0		0.007
50.0		0.005
71.0	160E01	0.007

C-REF-NO 001
CONS. NO 019
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 14
TIME 0645

NO. DEPTHS 02
SOUNDING 0128
BT SLIDE NO 019

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0		5	15.23	1.5	314	5.2	8.850	88.0
10.0		5	12.86	1.7	311	6.2	8.850	91.0

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	13.50		0.006	0.003		0.001		27.5
10.0	14.40		0.009	0.003		0.001		27.5

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.060	126.6						
10.0	0.125	134.0						

DEPTH	SPC 35	FE NF
1.0		0.006
10.0		0.006

C-REF-NO C01
CONS. NO 020
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 14
TIME 0920

NO. DEPTHS 04
SOUNDING 0293
BT SLIDE NO 020

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0		5	16.82	0.9	310	4.7	8.780	88.6
10.0		5	9.59	1.8	309		8.780	
20.0		5	5.12	1.1	313		8.250	
27.0		5	5.12	0.9	320	3.4	8.180	88.2

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	12.85		0.003	0.009		0.001		
10.0	14.40		0.009	0.006	0.045	0.002		
20.0	11.90		0.006	0.016	0.188	0.002		
27.0	12.10		0.006	0.015	0.188	0.002		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.040	125.8	0.002		000E00		000E00	200E01
10.0	0.030				000E00			
20.0	0.215							
27.0	0.225	126.4			000E00		000E00	700E00

DEPTH	SPC 35	FE NF
1.0	700E00	0.005
10.0		0.006
20.0		0.007
27.0	210E01	0.007

C-REF-NO 001
CONS. NO 021
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 14
TIME 1026

NO. DEPTHS 03
SOUNDING 0165
BT SLIDE NO 021

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0	2.5	5	17.44	1.2	313	6.5	8.800	88.4
10.0		5	10.21	2.2	311		8.700	
15.0		5	7.28	3.0	308	8.5	8.220	90.0

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	13.00		0.003	0.005		0.001		
10.0	14.05		0.009	0.008	0.045	0.003		
15.0	11.70		0.012	0.006	0.155	0.004		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.025							
10.0	0.025							
15.0	0.090							

DEPTH	SPC 35	FE NF
1.0		0.007
10.0		0.008
15.0		0.008

C-REF-NO 001
CONS. NO 022
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 14
TIME 1127

NO. DEPTHS 06
SOUNDING 0732
BT SLIDE NO 022

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0	3.0	5	12.61	0.7	304	3.3	8.650	88.2
10.0		5	6.90	0.5	314		8.550	
20.0		5	4.29	0.4	317		8.150	
30.0		5	4.09	0.5	320		8.120	
50.0		5	3.90	0.2	332	0.0	7.860	88.2
71.0		5	3.79	0.1	323	5.3	8.250	88.2

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	14.55		0.003	0.012	0.040	0.004		
10.0	15.00		0.006	0.007	0.108	0.003		
20.0	13.80		0.003	0.009	0.195	0.001		
30.0	14.00		0.015	0.013	0.213	0.001		
50.0	13.25		0.021	0.011	0.214	0.001		
71.0	13.20		0.030	0.017	0.233	0.001		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.035		0.006		100E00		000E00	700E00
10.0	0.035				000E00			
20.0	0.100							
30.0	0.150							
50.0	0.315				000E00			
71.0	0.350				100E00		000E00	210E01

DEPTH	SPC 35	FE NF
1.0	120E01	0.006
10.0		0.006
20.0		0.006
30.0		0.007
50.0		0.007
71.0	900E00	0.012

C-REF-NO 001
CONS. NO 023
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 14
TIME 1226

NO. DEPTHS 07
SOUNDING 1024
BT SLIDE NO 023

DEPTH	SECCHI	HAZEN	TEMP	TURH	SP CON	NF RES	PH 25	TC ALK
1.0	4.0	5	8.95	0.5	304	3.8	8.590	88.4
10.0		5	7.39	0.1	307		8.470	
20.0		5	5.73	0.2	312		8.470	
30.0		5	4.87	0.4	312		8.400	
50.0		5	3.91	0.6	312	1.3	8.340	86.6
75.0		5	3.85	0.3	302		8.210	
100.0		10	3.82	3.0	316	3.4	8.260	88.2

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	14.45		0.006	0.006	0.128	0.003		
10.0	14.80		0.006	0.009	0.120	0.003		
20.0	14.40		0.006	0.003	0.150	0.002		
30.0	14.00		0.009	0.004	0.175	0.001		
50.0	13.45		0.024	0.007	0.195	0.001		
75.0	13.60		0.018	0.006	0.193	0.001		
100.0	13.35		0.024	0.008	0.198	0.001		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.040		0.006		190E01		000E00	150E01
10.0	0.035				000E00			
20.0	0.050							
30.0	0.150							
50.0	0.200				000E00			
75.0	0.215							
100.0	0.175				000E00		000E00	170E01

DEPTH	SPC 35	FE NF
1.0	460E01	0.006
10.0		0.006
20.0		0.006
30.0		0.006
50.0		0.006
75.0		0.006
100.0	600E00	0.007

C-REF-NO C01
CONS. NO C24
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 14
TIME 1356

NO. DEPTHS 18
SOUNDING 1317
BT SLIDE NO 024

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0	6.0	10	7.13	0.4	330	1.9	8.190	88.4
4.0		5	6.67	0.4	318	3.2	8.230	88.8
7.0		5	5.89	0.4	326	3.3	8.210	87.6
10.0		5	5.53	0.5	326	2.0	8.300	88.0
13.0		5	4.36	0.5	319	2.0	8.240	88.8
16.0		5	4.30	0.6	319	3.5	8.240	
19.0		5	4.23	0.5	312		8.250	
22.0		5	4.18	0.5	319	1.8	8.210	91.0
25.0		5	4.17	0.4	319	4.2	8.220	87.0
28.0		5	4.14	0.4	319	2.0	8.230	
31.0		5	4.15	0.3	316	3.4	8.100	91.0
34.0		5	4.16	0.3	317	2.8	8.180	
37.0		5	4.04	0.4	319	1.4	8.160	
40.0		5	4.03	0.3	319	1.8	8.120	92.0
50.0		5	3.97	0.4	298	2.8	8.190	91.0
75.0		5	3.81	0.3	317	2.6	8.110	92.0
100.0		5	3.82	0.3	320	1.0	8.060	92.0
130.0		5	3.73	0.4	323		7.930	92.0

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	13.45		0.039		0.200	0.001		
4.0	13.45		0.039		0.198	0.001		
7.0	13.70		0.036		0.193	0.001		
10.0	13.90		0.033		0.193	0.001		28.0
13.0	13.60		0.036		0.195	0.001		
16.0	13.60		0.039		0.196	0.001		27.5
19.0	13.50		0.036		0.196	0.001		27.5
22.0	13.50		0.042		0.196	0.001		29.5
25.0	13.60		0.042		0.191	0.001		27.5
28.0	13.40		0.039		0.200	0.001		
31.0	13.25		0.039		0.190	0.001		
34.0	13.20		0.039		0.190	0.001		27.0
37.0	13.25		0.042		0.195	0.001		
40.0	13.15		0.039		0.195	0.001		27.0
50.0	13.40		0.042		0.195	0.001		27.5
75.0	13.30		0.042		0.198	0.001		27.5
100.0	13.80		0.048		0.198	0.001		27.5
130.0	13.00				0.203	0.001		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.425	133.3	0.006		000E00		000E00	400E00
4.0		132.5						
7.0	0.400	137.4						
10.0	0.335	134.0			000E00			
13.0	0.365	134.0						
16.0	0.410							
19.0	0.330							
22.0	0.540							
25.0	0.300							
28.0	0.310							
31.0	0.365		0.006					
34.0	0.330							
37.0	0.275							
40.0	0.375							
50.0	0.235				000E00			
75.0	0.375							
100.0								
130.0					000E00		000E00	190E01

DEPTH	SPC 35	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	290E01	200.0	93.1	27.1	39.500	7.900	1.400	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								
75.0		194.0	92.6	27.6	39.600	7.900	1.400	12.500
100.0								
130.0	110E01	194.0	93.6	27.3	39.600	8.000	1.400	12.200

DEPTH	CDNF	CR NF	CO NF	CU NF	FE NF	PB NF	LI NF	MN NF
1.0	0.000	0.000	0.000	0.021	0.006	0.005	0.002	0.002
4.0					0.006			
7.0					0.006			
10.0					0.007			
13.0					0.007			
16.0					0.007			
19.0					0.008			
22.0					0.008			
25.0					0.008			
28.0					0.009			
31.0					0.008			
34.0					0.007			
37.0					0.010			
40.0					0.007			
50.0	0.000	0.000	0.000	0.014	0.017	0.010	0.002	0.002
75.0					0.008			
100.0					0.009			
130.0	0.000	0.000	0.000	0.012	0.007	0.004	0.001	0.002

DEPTH	NI NF	SR NFA	ZN NF	BOD W
1.0	0.003	0.170	0.030	
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	0.180	0.016	
75.0				
100.0				
130.0	0.002	0.180	0.010	3.7

C-REF-NO 001
CONS. NO 025
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 14
TIME 1652

NO. DEPTHS 03
SOUNDING 1609
BT SLIDE NO 025

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0	3.0	5	14.16	0.8	317	3.8	8.830	90.7
10.0		5	5.39	0.2	317		8.140	
20.0		5	3.96	0.2	318		8.020	

DEPTH	02 W	D 02 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	14.30				0.200	0.004		
10.0	13.05		0.042		0.200	0.003		
20.0	13.20		0.042		0.203	0.003		

DEPTH	R SIO2	HARD	PHEN	CHLORA.	MF COL	MF FCO	MF STR	SPC 20
1.0	0.130	132.2	0.006		000E00		000E00	400E01
10.0	0.410				000E00			
20.0	0.425							

DEPTH	SPC 35	FE NF
1.0	300E01	0.012
10.0		0.010
20.0		0.016

C-REF-NO 001
CONS. NO 026
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 14
TIME 1823

NO. DEPTHS 02
SOUNDING 1372
BT SLIDE NO 026

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0	3.0	5	14.38	0.7	327	5.2	8.560	93.0
10.0			5.42					

DEPTH	O2 W	D. O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	12.10		0.015	0.010	0.033	0.003		
10.0	13.20		0.015	0.008	0.160	0.001		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.090	133.6	0.008		000E00		C00E00	250E01
10.0	0.335				000E00			

DEPTH	SPC 35	FE NF
1.0	460E01	0.008
10.0		0.006

C-REF-NO 001
CONS. NO 027
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 14
TIME 1928

NO. DEPTHS 04
SOUNDING 0293
BT SLIDE NO 027

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0	3.8	5	9.13	0.6	325	3.5	8.100	90.0
10.0		5	5.57	0.7	316		8.100	
20.0		5	4.66	0.7	314		8.050	
28.0		5	4.11	0.4	314	1.8	7.950	87.5

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	12.05		0.027	0.060	0.095	0.003		
10.0	13.20					0.003		
20.0	12.55		0.039	0.041	0.155	0.002		
28.0	12.25		0.045	0.014	0.185			

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.115	131.7	0.006		000E00		000E00	470E01
10.0					000E00			
20.0	0.235							
28.0	0.365	129.0			000E00		000E00	220E01

DEPTH	SPC 35	FE NF
1.0	260E01	0.007
10.0		0.007
20.0		0.007
28.0	300E01	0.006

C-REF-NO 001
CONS. NO 028
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 14
TIME 2159

NO. DEPTHS 03
SOUNDING 0165
BT SLIDE NO 028

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0	4.3	5	11.87	1.3	325		8.460	87.0
10.0		5	5.38	0.8			8.050	
15.0		5	4.03	1.5	312		7.750	90.7

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	12.10		0.015	0.016	0.066	0.003		27.0
10.0	13.10		0.015	0.014	0.160	0.002		
15.0	12.25		0.045	0.013	0.195	0.002		26.0

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.075	137.9	0.003	17.61	000E00		000E00	670E01
10.0	0.160							
15.0	0.450	130.7			000E00		000E00	

DEPTH	SPC 35	FE NF
1.0	730E01	0.007
10.0		0.006
15.0	650E01	0.006

C-REF-NO 001
CONS. NO 029
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 14
TIME 2259

NO. DEPTHS 08
SOUNDING 1280
BT SLIDE NO 029

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0	3.0	5	15.65	0.6	320	3.4	8.600	92.9
10.0		5	5.55	0.5	317		8.400	
20.0		5	4.24	0.3	316		8.100	
30.0		5	3.95	0.2	323		8.000	
50.0		5	3.86	1.7	326	0.0	8.000	89.6
75.0		5	3.82	0.2	322		8.000	
100.0		5	3.77	0.2	319		7.900	
120.0		5	3.82	0.6	327	1.8	8.000	86.9

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	12.95		0.009	0.010	0.010	0.002		28.0
10.0	13.70		0.015	0.005	0.143	0.002		
20.0	13.00		0.039	0.008	0.190	0.001		
30.0	13.10		0.045	0.009	0.198			
50.0	13.20		0.048	0.010	0.198			27.0
75.0	13.10		0.045	0.006	0.198	0.001		
100.0	13.10		0.051	0.015	0.200	0.001		
120.0	12.75		0.051	0.015	0.198	0.002		27.0

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.020	134.1	0.009	17.31	800E00		000E00	480E01
10.0	0.090				000E00			
20.0	0.185							
30.0	0.370							
50.0	0.420	130.8			100E00			
75.0	0.440							
100.0	0.440							
120.0	0.415	134.7			000E00		000E00	560E01

DEPTH	SPC 35	FE NF
1.0	140E02	0.006
10.0		0.006
20.0		0.004
30.0		0.005
50.0		0.005
75.0		0.006
100.0		0.006
120.0	790E01	0.007

C-REF-NO 001
CONS. NO 030
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 15
TIME 0002

NO. DEPTHS 09
SOUNDING 1646
BT SLIDE NO 030

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0	4.0	5	8.49	0.4	313	4.3	8.250	90.0
10.0		5	4.21	0.3	327		8.000	
20.0		5	3.98	0.3	315		8.100	
30.0		5	3.92	0.3	313		8.100	
50.0		5	3.83	0.3	313		8.100	
75.0		5	3.87	0.2	318		8.050	
100.0		5	3.81	0.3	321		7.950	
150.0		5	3.66	0.2	319		7.950	
163.0		5	3.61	0.2	322		7.850	94.0

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	13.65		0.003	0.003	0.143	0.002		
10.0	13.25		0.018	0.004	0.200			
20.0	13.05		0.051	0.004	0.203			
30.0	13.10		0.048	0.005	0.203			
50.0	13.10		0.045	0.004	0.203			
75.0	13.10		0.045	0.006	0.203			
100.0	13.10		0.051	0.010	0.203			
150.0	13.05		0.048		0.203			
163.0	12.95			0.004	0.203			

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.490	131.3	0.008	26.16	000E00		000E00	
10.0	0.245				000E00			
20.0	0.420							
30.0	0.415							
50.0	0.420				000E00			
75.0	0.490							
100.0	0.455							
150.0	0.420							
163.0	0.490				000E00		000E00	

DEPTH	SPC 35	FE NF
1.0		0.006
10.0		0.006
20.0		0.006
30.0		0.006
50.0		0.006
75.0		0.006
100.0		0.006
150.0		0.006
163.0		0.006

C-REF-NO 001
CONS. NO 031
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 15
TIME 0105

NO. DEPTHS 08
SOUNDING 1536
BT SLIDE NO 031

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0		5	8.38	0.3	317		7.900	94.0
10.0		5	5.05	0.3	315		8.000	
20.0		5	4.06	0.3	319		8.000	
30.0		5	3.94	0.3	313		8.000	
50.0		5	3.87	0.3	317	1.9	8.000	94.0
75.0		5	3.85	0.4	313		8.050	
100.0		5	3.82	0.4	321		8.000	
149.0		5	3.69	0.4	317		8.050	93.0

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	13.05		0.042	0.010	0.205	0.001		
10.0	13.35		0.042	0.010	0.205	0.001		
20.0	13.15		0.045	0.008	0.205			
30.0	13.15		0.048	0.013	0.205	0.001		
50.0	13.15		0.048	0.010	0.205			
75.0	13.10		0.047	0.005	0.205			
100.0	13.10		0.045	0.011	0.205			
149.0	12.90		0.049	0.012	0.205	0.001		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.375		0.006	11.12	000E00		000E00	
10.0	0.395				000E00			
20.0	0.400							
30.0	0.410							
50.0	0.475				000E00			
75.0	0.495							
100.0	0.385							
149.0	0.420				000E00		000E00	

DEPTH	SPC 35	FE NF
1.0		0.006
10.0		0.007
20.0		0.005
30.0		0.005
50.0		0.005
75.0		0.005
100.0		0.006
149.0		0.006

C-REF-NO 001
CONS. NO 032
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 15
TIME 0205

NO. DEPTHS 07
SOUNDING 1024
BT SLIDE NO 032

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0		5	11.16	1.1	317	3.6	8.700	94.0
10.0		5	5.46	0.6	315		8.400	
20.0		5	4.58	0.5	314		8.250	
30.0		5	4.32	0.4	314		8.200	
50.0		5	3.88	0.3	322	1.5	8.150	94.0
75.0		5	3.83	0.3	317		8.100	
100.0		5	3.78	0.3	323	1.2	8.050	94.0

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	14.75		0.024	0.007	0.070	0.002		
10.0	14.25		0.018	0.005	0.155	0.001		
20.0	13.70		0.021	0.006	0.175	0.001		
30.0	13.25		0.027	0.006	0.180	0.001		
50.0	13.25		0.039	0.007	0.190	0.001		
75.0	13.35		0.042	0.012	0.190			
100.0	12.80							

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.095		0.003	10.83	000E00		000E00	
10.0	0.075				000E00			
20.0	0.125							
30.0	0.155							
50.0	0.210				000E00			
75.0	0.230							
100.0					000E00		000E00	

DEPTH	SPC 35	FE NF
1.0		0.070
10.0		0.155
20.0		0.175
30.0		0.180
50.0		0.190
75.0		0.190
100.0		

C-REF-NO 001
CONS. NO 033
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 15
TIME 0303

NO. DEPTHS 02
SOUNDING 0512
BT SLIDE NO 033

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0		5	18.63	0.4	322	8.8	8.750	
10.0		5	8.86	7.0	311		8.800	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	11.60		0.015	0.005		0.002		
10.0	13.40		0.018	0.005	0.025	0.003		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.065		0.004	25.28	000E00		000E00	
10.0	0.070				000E00			

DEPTH	SPC 35	FE NF
1.0		0.006
10.0		0.006

C-REF-NO 001
CONS. NO 034
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 15
TIME 0350

NO. DEPTHS 03
SOUNDING 0201
BT SLIDE NO 034

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0		5	17.99	0.5	314		8.720	91.0
10.0		5	10.59	0.8	314		8.700	
18.0		5	6.83	0.6	314	2.1	8.320	89.0

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0			0.006	0.009		0.001		
10.0			0.009	0.010	0.020	0.002		
18.0			0.009	0.013	0.145	0.003		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.050			26.16				
10.0	0.670							
18.0	0.095							

DEPTH	SPC 35	FE NF
1.0		0.006
10.0		0.008
18.0		0.006

C-REF-NO 001
CONS. NO 035
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 15
TIME 0615

NO. DEPTHS 03
SOUNDING 0219
BT SLIDE NO 035

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0		5	17.06	0.6	314	3.3	8.750	90.0
10.0		5	9.51	1.1	320		8.770	
20.0		5	6.06	0.7	320	2.8	8.310	91.0

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0		12.60	0.009	0.012				
10.0		14.65	0.009	0.015	0.035	0.003		
20.0		11.60	0.006	0.012	0.125	0.003		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.540		0.004		000E00		000E00	400E00
10.0	0.495				000E00			
20.0	0.165				000E00		130E01	900E00

DEPTH	SPC 35	FE NF
1.0	210E01	0.007
10.0		0.006
20.0	700E00	0.004

C-REF-NO 001
CONS. NO 036
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 15
TIME 0722

NO. DEPTHS 03
SOUNDING 0219
BT SLIDE NO 036

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0		5	17.15	0.6	315	2.0	8.770	93.0
10.0		5	12.22	1.1	317		8.800	
21.0		5	6.30	0.6	313	1.9	8.480	92.0

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0		11.80	0.003	0.010		0.001		
10.0		12.80	0.006	0.007		0.002		
21.0		12.20	0.006	0.009	0.100	0.002		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.425		0.006		000E00		C00E00	550E01
10.0	0.075				000E00			
21.0	0.290	135.8			000E00		C00E00	600E00

DEPTH	SPC 35	FE NF
1.0	150E01	0.004
10.0		0.004
21.0	260E01	0.005

C-REF-NO 001
CONS. NO 037
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 15
TIME 0824

NO. DEPTHS 05
SOUNDING 0439
BT SLIDE NO 037

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0		5	16.21	0.6	317		8.880	91.0
10.0		5	10.72	1.1	313		8.880	
20.0		5	5.14	0.6	314		8.350	
30.0		5	4.60	0.4	319		8.300	
42.0		5	4.14	0.5	320	0.2	8.190	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0		13.00	0.003	0.005				
10.0		14.20	0.006	0.005		0.001		
20.0		12.85	0.003	0.009	0.140	0.002		
30.0		12.70	0.003	0.020	0.135	0.001		
42.0		12.60	0.012	0.023	0.165	0.001		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.250	134.5	0.006		000E00		200E00	320E01
10.0	0.045				000E00			
20.0	0.020							
30.0	0.060							
42.0	0.245	134.5			000E00		000E00	590E01

DEPTH	SPC 35	FE NF
1.0	210E01	0.005
10.0		0.005
20.0		0.006
30.0		0.005
42.0	290E02	0.005

C-REF-NO 001
CONS. NO 038
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 15
TIME 0927

NO. DEPTHS 06
SOUNDING 0732
BT SLIDE NO 038

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0		5	12.56	0.7	313	1.9	8.900	91.9
10.0		5	6.93	0.5	318		8.430	
20.0		5	4.98	0.3	317		8.150	
30.0		5	4.65	0.3	315		8.170	
50.0		5	4.31	0.3	321	1.1	8.180	92.3
71.0		5	3.86	1.7	323	3.7	8.040	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0		13.20	0.003	0.005	0.020	0.003		
10.0		12.40	0.006	0.007	0.100	0.002		
20.0		12.00	0.003	0.018	0.160	0.001		
30.0		12.20	0.009	0.024	0.160	0.001		
50.0		12.20	0.012	0.019	0.165	0.001		
71.0		12.20	0.030	0.017	0.205	0.002		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.075	136.4	0.009		000E00		000E00	220E01
10.0	0.050				000E00			
20.0	0.095							
30.0	0.085							
50.0	0.290	134.8			000E00		000E00	160E01
71.0								

DEPTH	SPC 35	FE NF
1.0	900E00	0.010
10.0		0.008
20.0		0.008
30.0		0.008
50.0	900E00	0.008
71.0		0.015

C-REF-NO 001
CONS. NO 039
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 15
TIME 1027

NO. DEPTHS 08
SOUNDING 1134
BT SLIDE NO 039

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0	5.8	5	9.52	0.3	317	0.2	8.350	91.0
10.0		5	6.43	0.4	314		8.420	
20.0		5	4.37	0.4	314		8.210	
30.0		5	4.20	0.3	314		8.190	
50.0		5	3.91	0.3	314	0.7	8.180	91.0
75.0		5	3.87	0.3	318		8.150	
100.0		5	3.79	0.3	323		8.150	
111.0		5	3.76	0.4	312	0.6	8.150	92.0

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0		12.20	0.006	0.004	0.160	0.002		28.0
10.0		13.00	0.003	0.004	0.150	0.002		
20.0		12.20	0.003	0.010	0.180	0.002		
30.0		12.40	0.009	0.010	0.185	0.002		
50.0		12.40	0.018	0.009	0.195	0.002		27.0
75.0		12.40	0.018	0.008	0.195	0.002		
100.0		12.50	0.051	0.034	0.195	0.002		
111.0		12.60	0.018	0.009	0.195	0.002		28.0

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.310	135.0	0.005		000E00		C00E00	410E01
10.0	0.135				000E00			
20.0	0.190							
30.0	0.245							
50.0	0.390	134.0			000E00			
75.0	0.360							
100.0	0.325							
111.0	0.510	133.0			000E00		000E00	470E01

DEPTH	SPC 35	FE NF
1.0	230E01	0.006
10.0		0.006
20.0		0.006
30.0		0.005
50.0		0.006
75.0		0.006
100.0		0.006
111.0	110E01	0.005

C-REF-NO 001
CONS. NO 040
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 15
TIME 2332

NO. DEPTHS 09
SOUNDING 1646
BT SLIDE NO 040

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0	4.5	5	12.62	0.5	310	1.2	8.600	93.0
10.0		5	5.22	0.3	336		8.390	
20.0		5	4.17	0.3	330		8.230	
30.0		5	3.99	0.4	324		8.200	
50.0		5	3.90	0.4	324		8.150	82.0
75.0		5	3.85	0.2	323		8.160	
100.0		5	3.79	0.2	317		8.150	
150.0		5	3.71	0.4	326		8.140	
162.0		5	3.70	0.3	310	0.5	8.150	92.0

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0		12.30	0.003	0.005	0.095	0.003		
10.0		12.40	0.012	0.011	0.190	0.001		
20.0		12.10	0.012	0.004	0.200			
30.0		11.60	0.015	0.004	0.206			
50.0		11.80	0.018	0.006	0.200			27.0
75.0		11.40	0.018	0.007	0.200			
100.0		12.00	0.024	0.013	0.210			
150.0		12.00	0.018	0.010	0.210			
162.0		11.80	0.018	0.010	0.210			28.0

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.435		0.004		000E00		100E00	610E01
10.0	0.390				000E00			
20.0	0.410							
30.0	0.425							
50.0	0.510							
75.0	0.475							
100.0	0.435							
150.0	0.510							
162.0	0.635							

DEPTH	SPC 35	FE NF
1.0	800E00	0.006
10.0		0.006
20.0		0.006
30.0		0.006
50.0		0.006
75.0		0.006
100.0		0.006
150.0		0.006
162.0		0.006

C-REF-NO 001
CONS. NO 041
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 15
TIME 1237

NO. DEPTHS 09
SOUNDING 1646
BT SLIDE NO 041

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0	4.0	5	14.74	0.7	317	3.4	8.950	93.0
10.0		5	6.62	0.5	317		8.320	
20.0		5	4.11	0.2	319		8.220	
30.0		5	3.96	0.3	319		8.190	
50.0		5	3.89	0.3	315	0.7	8.140	91.0
75.0		5	3.83	0.2	304		8.140	
100.0		5	3.80	0.2	308		8.130	
149.0		5	3.72	0.2	302		8.140	
162.0		5	3.68	0.2	304	1.5	8.130	92.0

DEPTH	O2 W D	O2 P R	PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0		12.50	0.012	0.005			0.190	28.5
10.0		13.50	0.009	0.009	0.190	0.001		
20.0		13.40	0.015	0.004	0.200			
30.0		13.30	0.015	0.006	0.200			
50.0		13.20	0.018	0.004	0.200		0.190	26.5
75.0		13.20	0.018	0.005	0.200			
100.0		13.10	0.018	0.006	0.200			
149.0		13.10	0.018	0.006	0.200			
162.0		13.10	0.018	0.005	0.200		0.185	26.5

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.290	136.0	0.006		000E00		000E00	480E01
10.0	0.350				900E00			
20.0	0.415							
30.0	0.435							
50.0	0.450	135.0			000E00			
75.0	0.475							
100.0	0.460							
149.0	0.450							
162.0	0.655	137.0			000E00		000E00	590F01

DEPTH	SPC 35	FE NF
1.0	600E00	0.006
10.0		0.006
20.0		0.006
30.0		0.006
50.0		0.007
75.0		0.006
100.0		0.006
149.0		0.006
162.0		0.006

C-REF-NO 001
CONS. NO 042
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 15
TIME 1331

NO. DEPTHS 08
SOUNDING 1225
BT SLIDE NO 042

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0	4.0	5	16.67	0.4	291	0.8	8.930	93.0
10.0		5	4.31	0.3	315		8.260	
20.0		5	3.93	0.1	294		8.140	
30.0		5	3.95	0.1	277		8.100	
50.0		5	3.91	0.1	297	0.0	8.150	
75.0		5	3.87	0.3	294		8.130	
100.0		5	3.74	0.1	295		8.130	
120.0		5	3.80	0.2	300	0.7	8.080	93.0

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0		14.20	0.012	0.005			0.175	26.5
10.0		14.40	0.036	0.007	0.185	0.001		
20.0		13.60	0.036	0.006	0.195	0.001		
30.0		14.30	0.039	0.005	0.200	0.001		
50.0		14.30	0.042	0.005	0.200	0.001	0.250	27.5
75.0		14.30	0.042	0.006	0.200	0.001		
100.0		13.80	0.042	0.006	0.200	0.001		
120.0		13.40	0.048	0.008	0.200	0.001	0.175	26.0

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.035	136.0	0.006	20.85	000E00			120E02
10.0	0.335				000E00			
20.0	0.400							
30.0	0.390							
50.0	0.490				000E00			
75.0	0.505							
100.0	0.535							
120.0	0.700	134.0			000E00		000E00	160E02

DEPTH	SPC 35	FE NF
1.0	160E01	0.005
10.0		0.005
20.0		0.005
30.0		0.005
50.0		0.005
75.0		0.005
100.0		0.007
120.0	120E01	0.007

C-REF-NO 001
CONS. NO 043
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 15
TIME 1422

NO. DEPTHS 04
SOUNDING 0311
BT SLIDE NO 043

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0	3.5	5	16.47	0.4	302	3.0	8.900	83.0
10.0		5	8.56	0.6	312		8.580	
20.0		5	4.29	0.5	340		8.160	
30.0		5	4.07	0.7	328	2.0	8.180	93.0

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0		13.40	0.012	0.005	0.070	0.003		27.0
10.0		14.20	0.009	0.009	0.205	0.002		
20.0		13.20	0.024	0.012		0.002		
30.0		13.10	0.036	0.016	0.210		0.175	26.5

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.075	136.0	0.009	19.67	000E00		000E00	880E01
10.0	0.105				200E00			
20.0	0.350							
30.0	0.485	136.0			500E00		000E00	400E00

DEPTH	SPC 35	FE NF
1.0	120E01	0.007
10.0		0.007
20.0		0.007
30.0	400E00	0.007

C-REF-NO 001
CONS. NO 044
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 15
TIME 1645

NO. DEPTHS 03
SOUNDING 0238
BT SLIDE NO 044

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0	2.8	5	10.08	1.0	294	1.4	8.780	91.0
10.0		5	7.16	0.8	310		8.400	
23.0		5	4.41	0.6	319	0.7	8.080	93.0

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0		14.50	0.009	0.011	0.020	0.002	0.200	27.0
10.0		13.30	0.012	0.012	0.130	0.003		
23.0		12.90	0.036	0.031	0.205	0.002	0.190	27.0

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.050	135.0	0.006	17.61	900E00	000E00	000E00	
10.0	0.060				000E00			
23.0	0.425	136.0			100E00	000E00	000E00	200E02

DEPTH	SPC 35	FE NF
1.0	800E00	0.006
10.0		0.006
23.0	800E00	0.006

C-REF-NO 001
CONS. NO 045
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 15
TIME 1740

NO. DEPTHS 06
SOUNDING 0786
BT SLIDE NO 045

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0	3.5	5	16.99	0.6	330	1.6	8.950	85.9
10.0		5	5.12	0.5	315		8.420	
20.0		5	4.67	0.4	315		8.200	
30.0		5	4.34	0.2	315		8.190	
50.0		5	4.09	1.2	315	1.5	8.150	92.7
78.0		5	3.94	0.6	317	4.6	8.150	86.5

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0		12.40	0.009	0.006		0.001	0.180	
10.0		12.80	0.009	0.006	0.170	0.002		
20.0		12.40	0.027	0.013	0.205	0.002		
30.0		12.60	0.030	0.008	0.205	0.002		
50.0		12.50	0.039	0.009	0.210	0.002	0.185	
78.0		12.60	0.031	0.025	0.210	0.002	0.165	

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.060	134.2	0.006	17.02	100E01			620E01
10.0	0.170				000E00			
20.0	0.325							
30.0	0.345							
50.0	0.515	136.7			000E00			
78.0	0.575	136.5			000E00		C00E00	690E01

DEPTH	SPC 35	FE NF
1.0	110E01	0.006
10.0		0.006
20.0		0.005
30.0		0.005
50.0		0.006
78.0	400E00	0.006

C-REF-NO 001
CONS. NO 046
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 15
TIME 1905

NO. DEPTHS 19
SOUNDING 2048
BT SLIDE NO 046

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0	3.8	5	12.90	0.3	319	4.2	8.760	
4.0		5	5.90	0.3	317	3.4	8.440	
7.0		5	4.85	0.2	318	2.9	8.270	
10.0		5	4.45	0.2	316	2.8	7.910	
13.0		5	3.98	0.2	320	2.3	8.060	
16.0		5	3.92	0.2	315	1.9	8.030	
19.0		5	3.89	0.1	318	2.0	8.050	
22.0		5	3.89	0.1	315	2.0	8.030	
25.0		5	3.88	0.1	317	1.7	8.020	
28.0		5	3.90	0.1	315	2.3	8.020	
31.0		5	3.89	0.1	325	3.1	8.010	91.0
34.0		5	3.89	0.2	328	1.0	8.130	92.0
37.0		5	3.89	0.2	321	2.8	8.120	92.0
40.0		5	3.90	0.2	322	2.2	8.120	89.0
50.0		5	3.93	0.2	321	1.0	8.120	91.0
75.0		5	3.93	0.2	326	1.0	8.110	93.0
100.0		5	3.84	0.2	322	0.3	8.100	90.0
150.0		5	3.70	0.2	329	2.3	8.090	
201.0		5	3.57	0.2	324	1.1	8.100	90.0

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0		13.55	0.009	0.015	0.050	0.004	0.145	
4.0		13.70	0.006	0.012	0.170	0.003	0.275	
7.0		13.50	0.018	0.015	0.200	0.002	0.180	
10.0		13.50	0.030	0.014	0.210	0.002	0.180	
13.0		13.35	0.036	0.012	0.210	0.002		
16.0		13.30	0.039	0.010	0.210	0.002		
19.0		12.90	0.039	0.028	0.210	0.002		
22.0		13.30	0.039	0.020	0.215	0.002	0.200	
25.0		13.40	0.042	0.017	0.215	0.002		
28.0		13.20	0.039	0.011	0.215	0.002		
31.0		13.50	0.036	0.011	0.215	0.001	0.375	
34.0		13.50	0.036	0.013	0.215	0.001	0.100	28.0
37.0		13.50	0.036	0.012	0.215	0.001	0.175	28.0
40.0		13.50	0.045		0.215	0.001	0.145	27.5
50.0		13.50	0.039	0.025	0.215	0.002	0.150	26.5
75.0		13.50	0.036	0.015	0.215	0.002	0.175	28.0
100.0		13.50	0.039	0.037	0.215	0.002	0.250	
150.0		13.50	0.036	0.017	0.215	0.002	0.190	
201.0		13.50	0.039	0.037	0.215	0.002	0.400	28.0

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.575		0.010	15.25	000E00		000E00	430F01
4.0	0.700							
7.0	0.650							
10.0	0.510				000E00			
13.0	0.640							
16.0	0.700							
19.0	0.575							
22.0	0.600							
25.0	0.555							
28.0	0.650							
31.0	0.610	132.0						
34.0	0.530	132.0						
37.0	0.610	132.0						
40.0	0.590	134.0						
50.0	0.650	136.0			000E00			
75.0	0.600	134.0						
100.0	0.450							
150.0	0.600	133.0						
201.0	0.645	134.0						

DEPTH	SPC 35	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	110E01	192.0	92.1	27.6	39.000	7.900	1.400	12.400
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		196.0	93.2	27.4	39.800	7.900	1.400	12.400
100.0								
150.0								
201.0		192.0	92.8	27.2	39.200	7.900	1.400	12.100

DEPTH	CDNF	CR NF	CO NF	CU NF	FE NF	PB NF	LI NF	MN NF
1.0	0.000	0.000	0.000	0.017	0.012	0.004	0.001	0.002
4.0					0.005			
7.0					0.005			
10.0					0.004			
13.0					0.004			
16.0					0.004			
19.0					0.004			
22.0					0.002			
25.0					0.005			
28.0					0.005			
31.0					0.007			
34.0					0.006			
37.0					0.005			
40.0					0.012			
50.0	0.000	0.000	0.000	0.010	0.011	0.004	0.001	0.012
75.0					0.006			
100.0					0.006			
150.0					0.005			
201.0	0.000	0.000	0.000	0.013	0.011	0.008	0.003	0.002

DEPTH	NI NF	SR NFA	ZN NF	BOD W
1.0	0.002	0.180	0.017	
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	0.003	0.170	0.010	
75.0				
100.0				
150.0				
201.0	0.002	0.165	0.008	

C-REF-NO 001
CONS. NO 047
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 15
TIME 2201

NO. DEPTHS 08
SOUNDING 1664
BT SLIDE NO 047

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0	4.5	5	9.55	0.1	306	1.2	8.320	93.0
10.0		5	4.57	0.3	313		8.340	
20.0		5	3.97	0.3	325		8.230	
30.0		5	3.90	0.4	302		8.170	
50.0		5	3.86	0.3	293	5.5	8.120	93.0
75.0		5	3.79	0.3	310		8.160	
149.0		5	3.81	0.3	309		8.180	
164.0		5	3.72	0.3	310	1.2	8.180	92.0

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0		13.00	0.009	0.010	0.190	0.003	0.175	26.5
10.0		13.30	0.021	0.025	0.210	0.002		
20.0		13.10	0.030	0.010	0.215	0.003		
30.0		13.20	0.033	0.009	0.215	0.002		
50.0		13.30	0.036	0.011	0.215	0.002	0.145	26.5
75.0		12.80	0.036	0.010	0.215	0.002		
149.0		12.70	0.039	0.045	0.215	0.003		
164.0		13.00	0.036	0.025	0.215	0.003	0.150	26.5

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.325	135.0	0.003	7.58	000E00			500E00
10.0	0.325		0.003		000E00			
20.0	0.365							
30.0	0.365							
50.0	0.395	135.0			000E00			
75.0	0.580							
149.0	0.350							
164.0	0.700	133.0			000E00		000E00	200E01

DEPTH	SPC 35	FE NF
1.0	300E00	0.006
10.0		0.006
20.0		0.009
30.0		0.006
50.0		0.007
75.0		0.007
149.0		0.007
164.0	500E00	0.008

C-REF-NO 001
CONS. NO 048
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 15
TIME 2300

NO. DEPTHS 08
SOUNDING 1097
BT SLIDE NO 048

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0	3.0	5	13.55	0.2	291	3.1	8.830	93.0
10.0		5	9.00	0.5	319		8.690	
20.0		5	5.20	0.6	317		8.290	
30.0		5	4.78	0.6	317		8.170	
50.0		5	4.00	0.4	323	3.4	7.960	93.0
75.0		5	3.91	0.2	317		8.090	
100.0		5	3.81	0.3	317		8.100	
107.0		5	3.77	0.3	314	2.1	8.140	92.0

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0		14.00	0.012	0.011		0.003		27.5
10.0		13.30	0.012	0.009	0.110	0.005		
20.0		12.40	0.024	0.040	0.165	0.003		
30.0		12.80	0.012	0.020	0.190	0.003		
50.0		13.00	0.033	0.012	0.210	0.003		
75.0		13.20	0.042	0.030	0.210	0.004		
100.0		13.10	0.045	0.015	0.210	0.004		
107.0		13.00	0.039	0.020	0.210	0.004		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.065		0.004	30.29	000E00		000E00	140E01
10.0	0.260				000E00			
20.0	0.115							
30.0	0.265							
50.0	0.290				000E00			
75.0	0.465							
100.0	0.530							
107.0					100E00		000E00	470E01

DEPTH	SPC 35	FE NF
1.0	250E01	0.010
10.0		0.006
20.0		0.005
30.0		0.005
50.0		0.006
75.0		0.006
100.0		0.005
107.0	150E01	0.006

C-REF-NO 001
CONS. NO 049
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 15
TIME 2348

NO. DEPTHS 06
SOUNDING 0732
BT SLIDE NO 049

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0	3.5	5	15.66	0.7	318	4.2	8.900	89.0
10.0		5	10.27	0.9	320		8.700	
20.0		5	5.89	0.4	327		8.200	
30.0		5	5.37	0.4	326		8.150	81.0
50.0		5	4.76	0.4	326	2.4	8.200	
71.0		5	4.58	0.4	322	2.5	8.200	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0		13.50	0.012	0.025	0.030	0.001		
10.0		13.80	0.015	0.017	0.165	0.003		
20.0		12.80	0.006	0.037	0.160	0.003		
30.0		12.70	0.006	0.056	0.145	0.003		
50.0		13.20	0.012	0.065	0.150	0.003		
71.0		13.30	0.015	0.040		0.003		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.580		0.001	27.93	180E01		200E00	310E01
10.0	0.060				000E00			
20.0	0.055							
30.0	0.195							
50.0	0.105				200E01			
71.0	0.290				500E00		000E00	460E01

DEPTH	SPC 35	FE NF
1.0	120E01	0.007
10.0		0.009
20.0		0.009
30.0		0.009
50.0		0.008
71.0	310E01	0.009

C-REF-NO C01
CONS. NO C50
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 16
TIME 0103

NO. DEPTHS 03
SOUNDING 0165
BT SLIDE NO 050

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0		5	15.70	0.7	314	3.2	8.800	92.0
10.0		5	6.85	0.6	323		8.400	
15.0		5	6.31	0.5	325	5.6	8.200	83.0

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0		12.70	0.012	0.008		0.007		
10.0		12.60	0.009	0.005	0.115	0.004		
15.0		12.00	0.009	0.012	0.145	0.004		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.245		0.007	19.97	000E00		000E00	360E01
10.0	0.175				000E00			
15.0	0.270				000E00		000E00	480E01

DEPTH	SPC 35	FE NF
1.0	600E00	0.010
10.0		0.010
15.0	240E02	0.010

C-REF-NO 001
CONS. NO C51
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 16
TIME 0305

NO. DEPTHS 04
SOUNDING 0311
BT SLIDE NO 051

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0		5	15.38	0.8	324	5.6	8.900	90.0
10.0		5	14.59	0.8	327		8.850	
20.0		5	7.15	0.5	328		8.300	
30.0		5	5.38	0.8	333	3.7	8.150	

DEPTH	02 W	D 02 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0		12.10	0.012	0.008		0.001	0.250	28.0
10.0		12.10	0.018	0.007		0.001		
20.0		11.40	0.006	0.018	0.120	0.003		
30.0		11.60	0.015	0.024	0.180	0.002	0.190	

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.250	134.0	0.002		000E00		000E00	270E01
10.0	0.055				000E00			
20.0	0.026							
30.0	0.385				000E00		000E00	

DEPTH	SPC 35	FE NF
1.0	500E00	0.010
10.0		0.007
20.0		0.006
30.0	500E01	0.007

C-REF-NO 001
CONS. NO C52
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 16
TIME 0358

NO. DEPTHS 06
SOUNDING 0622
BT SLIDE NO 052

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0		5	16.03	0.7	309	1.1	8.940	91.0
10.0		5	14.95	0.6	313		8.900	
20.0		5	7.18	0.3	315		8.300	
30.0		5	6.09	0.3	318		8.230	
50.0		5	4.33	1.3	325	4.1	8.140	95.0
60.0		5	4.22	4.4	320	0.0	8.050	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0		11.90	0.024	0.004		0.001		
10.0		12.30	0.030	0.006		0.001		
20.0		12.10	0.003	0.009	0.135	0.002		
30.0		12.00	0.003	0.021	0.140	0.002		
50.0		11.80	0.060	0.016	0.195	0.002		
60.0		11.40	0.093	0.019	0.210	0.003		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.075	139.7	0.008		000E00			
10.0	0.120				000E00			
20.0	0.015							
30.0	0.065							
50.0	0.380				000E00			
60.0	0.660	138.2			000E00		000E00	220E01

DEPTH	SPC 35	FE NF
1.0	300E00	0.010
10.0		0.010
20.0		0.010
30.0		0.010
50.0		0.012
60.0	130E01	0.020

C-REF-NO 001
CONS. NO 053
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 16
TIME 0555

NO. DEPTHS 08
SOUNDING 1042
BT SLIDE NO 053

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0		5	11.61	0.8	310	3.3	8.870	95.0
10.0		5	6.85	0.4	315		8.580	
20.0		5	4.28	0.3	315		8.250	
30.0		5	3.98	0.2	314		8.200	
50.0		5	3.89	0.2	317	2.3	8.190	95.0
75.0		5	3.84	0.2	317		8.180	
100.0		5	3.79	0.2	320		8.170	
102.0		5	3.90	0.3	322	3.1	8.160	93.0

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0		14.00	0.015	0.010	0.045	0.003		24.0
10.0		14.60	0.015	0.008	0.130	0.002		
20.0		13.90	0.030	0.005	0.195	0.001		
30.0		13.80	0.039	0.006	0.200	0.001		
50.0		13.90	0.045	0.012	0.200	0.001		
75.0		14.10	0.045	0.012	0.200	0.001		
100.0		14.20	0.045	0.016	0.190			
102.0		14.00	0.048	0.011	0.185			

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.245		0.004		000E00		000E00	170E01
10.0	0.100				000E00			
20.0	0.315							
30.0	0.350							
50.0	0.375				000E00			
75.0	0.450							
100.0	0.500							
102.0	0.500				000E00		000E00	120E01

DEPTH	SPC 35	FE NF
1.0	800E00	0.007
10.0		0.007
20.0		0.005
30.0		0.005
50.0		0.005
75.0		0.006
100.0		0.008
102.0	600E00	

C-REF-NO 001
CONS. NO 054
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 16
TIME 0605

NO. DEPTHS 07
SOUNDING 1042
BT SLIDE NO 054

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0		5	11.57	0.5	313	5.2	8.800	91.0
10.0		5	11.63	0.5	317		8.790	
20.0		5	4.14	0.2	319		8.320	
30.0		5	3.98	0.2	317		8.230	
50.0		5	3.87	0.2	311	2.2	8.190	90.0
75.0		5	3.83	0.2	317		8.150	
100.0		5	3.78	0.2	322	2.9	8.160	93.0

DEPTH	O2 W D	O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0		14.20	0.018	0.006	0.080	0.003		29.0
10.0		14.90	0.021	0.006	0.180	0.002		
20.0		13.80	0.030	0.004	0.180	0.001		
30.0		13.60	0.039	0.006	0.180	0.002		
50.0		13.80	0.045	0.006	0.180	0.002		29.0
75.0		13.80	0.045	0.020	0.180	0.002		
100.0		13.60						

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0			0.006		000E00			180E01
10.0					000E00			
20.0								
30.0								
50.0					000E00			
75.0								
100.0					000E00		000E00	140E01

DEPTH	SPC 35	FE NF
1.0	400E00	0.007
10.0		0.007
20.0		0.006
30.0		0.006
50.0		0.007
75.0		0.007
100.0	500E00	

C-REF-NO 001
CONS. NO 055
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 16
TIME 0720

NO. DEPTHS 08
SOUNDING 1445
BT SLIDE NO 055

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0		5	14.40	0.5	316	6.0	8.800	94.0
10.0		5	7.57	0.6	312		8.510	
20.0		5	4.14	0.3	319		8.230	
30.0		5	3.91	0.2	322		8.170	
50.0		5	3.92	0.2	321		8.160	91.7
75.0		5	3.89	0.2	322		8.120	
100.0		5	3.78	0.2	322		8.120	
143.0		5	3.79	0.2	318		8.120	87.2

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0		12.40	0.012	0.010	0.035	0.004		31.0
10.0		13.50	0.018	0.007	0.115	0.004		
20.0		12.90	0.033	0.014	0.175	0.001		
30.0		12.70	0.048	0.012	0.175	0.001		
50.0		12.90	0.051	0.007	0.175	0.001		27.5
75.0		12.90	0.048	0.014	0.175			
100.0		12.90	0.048	0.011	0.175	0.001		
143.0		12.80			0.175			27.5

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.320		0.008		000E00		000E00	150E01
10.0	0.195				000E00			
20.0	0.350							
30.0	0.475							
50.0	0.390	135.4			000E00			
75.0	0.475							
100.0	0.560							
143.0	0.510				000E00		000E00	600E00

DEPTH	SPC 35	FE NF
1.0	700E00	0.008
10.0		0.008
20.0		0.007
30.0		0.008
50.0		0.008
75.0		0.007
100.0		0.007
143.0	300E00	0.007

C-REF-NO 001
CONS. NO 056
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 16
TIME 0827

NO. DEPTHS 05
SOUNDING 0347
BT SLIDE NO 056

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0		5	17.35	0.6	360	0.0	8.860	82.1
10.0		5	7.06	0.5	317		8.400	
20.0		5	5.04	0.5	317		8.120	
30.0		5	4.48	0.6	315		8.090	
33.0		5	4.36	0.7	319	0.0	8.090	92.5

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0		12.50	0.018	0.009		0.001		42.0
10.0		12.70	0.012	0.010	0.120	0.003		
20.0		12.30	0.024	0.030	0.160	0.002		
30.0		12.70	0.033	0.019	0.170	0.002		
33.0		12.60	0.033	0.018	0.170	0.002		31.0

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.490	132.3	0.001		000E00			
10.0	0.060				100E00			
20.0	0.265							
30.0	0.430							
33.0	0.630				000E00		000E00	460E01

DEPTH	SPC 35	FE NF
1.0		0.008
10.0		0.007
20.0		0.007
30.0		0.007
33.0	120E01	0.007

C-REF-NO 001
CONS. NO 057
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 16
TIME 1005

NO. DEPTHS 04
SOUNDING 0329
BT SLIDE NO 057

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0	3.5	5	14.38	0.4	345	2.9	8.780	91.5
10.0		5	10.24	0.5	324		8.550	
20.0		5	5.73	0.3	317		8.170	
31.0		5	5.08	0.4	310	6.0	8.130	90.7

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0		12.20	0.015	0.006	0.035	0.004		
10.0		13.00	0.021	0.015	0.070	0.004		
20.0		12.40	0.030	0.070	0.145	0.003		
31.0		12.00	0.033	0.048	0.160	0.002		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.035		0.007		200E00			590E01
10.0	0.120				300E00			
20.0	0.160							
31.0	0.255	132.8			000E00		000E00	820E01

DEPTH	SPC 35	FE NF
1.0	140E01	0.007
10.0		0.008
20.0		0.006
31.0	170E01	0.007

C-REF-NO 001
CONS. NO 058
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 16
TIME 1122

NO. DEPTHS 04
SOUNDING 0274
BT SLIDE NO 058

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0	3.5	5	15.35	0.7	330	0.0	8.890	92.8
10.0		5	8.10	0.6	328		8.590	
20.0		5	6.21	0.3	286		8.390	
25.0		5	5.41	0.6	298	4.6	8.100	89.2

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0		12.20	0.006	0.008		0.001		
10.0		12.30	0.012	0.009	0.085	0.003		
20.0		12.20	0.009	0.020	0.125	0.002		
25.0		11.30	0.009	0.019	0.145	0.003		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.030	136.6	0.008		300E00		100E00	710E01
10.0	0.065				000E00			
20.0	0.030							
25.0	0.215	132.4			000E00		000E00	

DEPTH	SPC 35	FE NF
1.0	600E00	0.008
10.0		0.008
20.0		0.006
25.0	160E01	0.006

C-REF-NO 001
CONS. NO 059
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 16
TIME 1234

NO. DEPTHS 04
SOUNDING 0293
BT SLIDE NO 059

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0	3.0	5	16.58	0.8	322	9.4	8.890	85.8
10.0		5	11.01	0.6	333		8.670	
20.0		5	7.65	0.3	323		8.510	89.1
27.0		5	6.91	0.5	319	7.2	8.310	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0		12.60	0.009	0.008		0.007		
10.0		13.10	0.012	0.009	0.065	0.004		
20.0		12.80	0.003	0.020	0.095	0.003		
27.0		12.30	0.006	0.019	0.115	0.003		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.215	137.2	0.005	24.69	000E00		000E00	
10.0	0.145				100E00			
20.0	0.035	137.6						
27.0	0.155				000E00		000E00	

DEPTH	SPC 35	FE NF
1.0		0.007
10.0		0.006
20.0		0.006
27.0		0.006

C-REF-NO 001
CONS. NO 060
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 16
TIME 1335

NO. DEPTHS 03
SOUNDING 0219
BT SLIDE NO 060

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0	3.0	5	16.54	1.0	297	4.0	8.790	79.0
10.0		5	14.38	0.6	303		8.580	
20.0		5	6.66	0.6	324	0.0	8.060	93.3

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0		11.60	0.003	0.005		0.001		
10.0		12.00	0.009	0.006	0.005	0.002		
20.0		10.60	0.009	0.020	0.085	0.003		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.045	130.1	0.005	31.47	000E00		000E00	
10.0	0.090				000E00			
20.0	0.325	136.2			000E00		000E00	

DEPTH	SPC 35	FE NF
1.0		0.010
10.0		0.008
20.0		0.010

C-REF-NO 001
CONS. NO 061
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 16
TIME 1520

NO. DEPTHS 04
SOUNDING 0256
BT SLIDE NO 061

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0	3.0	5	15.77	0.9	291	5.8	8.820	83.6
10.0		5	14.08	0.8	310		8.790	
20.0		5	7.17	0.5	310		8.360	
25.0		5	6.40	0.5	317	5.8	8.200	91.6

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0		11.80	0.042	0.018		0.001		
10.0		12.00	0.036	0.016	0.020	0.001		
20.0		11.30	0.015	0.030	0.090	0.003		
25.0		11.10	0.015	0.065	0.120	0.002		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.465	133.6	0.006	21.74	000E00		000E00	
10.0	0.310				000E00			
20.0	0.090							
25.0	0.225	137.6			000E00		000E00	

DEPTH	SPC 35	FE NF
1.0		0.008
10.0		0.007
20.0		0.007
25.0		0.007

C-REF-NO 001
CONS. NO 062
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 16
TIME 1624

NO. DEPTHS 04
SOUNDING 0329
BT SLIDE NO 062

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0		5	15.47	0.5	312		8.840	87.5
10.0		5	11.19	0.5	315		8.620	
20.0		5	6.36	1.5	325		8.200	
31.0		5	5.72	0.4	332	8.4	8.160	92.0

DEPTH	02 W	D 02 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0		12.00	0.033	0.005		0.001		
10.0		11.60	0.033	0.007	0.005	0.003		
20.0		10.40	0.009	0.019	0.085	0.002		
31.0		10.40	0.030	0.026	0.100	0.002		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.065	133.3	0.004	17.61	200E00		000E00	
10.0	0.135				000E00			
20.0	0.110							
31.0	0.395	141.0			000E00		000E00	

DEPTH	SPC 35	FE NF
1.0		0.008
10.0		0.008
20.0		0.008
31.0		0.012

C-REF-NO 001
CONS. NO 063
COUNTRY 18
INSTITUTE 22

LAT 43-56-00N
LON 078-13-42W

YEAR 1967
MONTH 06
DAY 17
TIME 0001

NO. DEPTHS 01
SOUNDING 0183
BT SLIDE NO

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0					318		8.620	

DEPTH	02 W	D 02 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0								

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0			0.005					

DEPTH	SPC 35	FE NF
1.0		

C-REF-NO 001
CONS. NO 064
COUNTRY 18
INSTITUTE 22

LAT 43-55-54N
LON 076-16-48W

YEAR 1967
MONTH 06
DAY 17
TIME 0001

NO. DEPTHS 01
SOUNDING 0183
BT SLIDE NO

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0					318		8.740	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0								

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0								

DEPTH	SPC 35	FE NF
1.0		

C-REF-NO 001
CONS. NO 065
COUNTRY 18
INSTITUTE 22

LAT 43-55-30N
LON 078-19-06W

YEAR 1967
MONTH 06
DAY 17
TIME 0001

NO. DEPTHS 01
SOUNDING 0183
BT SLIDE NO

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0					320		8.780	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0								

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0								

DEPTH	SPC 35	FE NF
1.0		

C-REF-NO 001
CONS. NO 066
COUNTRY 18
INSTITUTE 22

LAT 43-37-12N
LON 079-25-18W

YEAR 1967
MONTH 06
DAY 17
TIME 0452

NO. DEPTHS 04
SOUNDING 0805
BT SLIDE NO

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0		5	16.56	1.5	306	5.9	8.810	
10.0		5	6.51	0.7	304		8.600	
50.0		5	4.31	0.2	304	1.2	8.200	
79.0		5	3.78	0.5	306	2.6	8.160	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	12.95		0.030	0.014				
10.0	14.20		0.030		0.110	0.002		
50.0	12.75		0.054		0.185	0.001		
79.0	12.60		0.060	0.009	0.190	0.001		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.070							
10.0								
50.0	0.550							
79.0	0.555							

DEPTH	SPC 35	FE NF
1.0		0.006
10.0		0.010
50.0		0.006
79.0		0.006

C-REF-NO 001
CONS. NO 067
COUNTRY 18
INSTITUTE 22

LAT 43-35-48N
LON 079-18-00W

YEAR 1967
MONTH 06
DAY 17
TIME 0536

NO. DEPTHS 04
SOUNDING 0823
BT SLIDE NO

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0		5	16.36	1.5	317	6.8	8.850	
10.0		5	6.33	0.5	318		8.550	
50.0		5	3.95	0.2	317	2.7	8.230	
81.0		5	3.78	0.7	321	4.0	8.150	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	13.60		0.069		0.010	0.003		
10.0	13.80		0.027	0.014	0.095	0.003		
50.0	13.00		0.051	0.018	0.150	0.002		
81.0	12.30		0.063	0.011	0.160	0.002		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	.275		0.002				210E01	
10.0	0.305				280E01			
50.0	0.540							
81.0	0.580				200E01		100E00	260E02

DEPTH	SPC 35	FE NF
1.0		0.011
10.0		0.007
50.0		0.006
81.0	150E02	0.007

C-REF-NO 001
CONS. NO 068
COUNTRY 18
INSTITUTE 22

LAT 43-33-42N
LON 079-21-24W

YEAR 1967
MONTH 06
DAY 17
TIME 0612

NO. DEPTHS 04
SOUNDING 0677
BT SLIDE NO

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0		5	10.49	0.7	341	4.8	8.740	
10.0		5	5.46	0.4	317		8.210	
50.0		5	3.87	0.2	313	3.8	8.190	
65.0		5	3.85	0.1	315			

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	14.35		0.030	0.011	0.010	0.003		
10.0	13.40		0.027	0.006	0.095	0.003		
50.0	12.95		0.051	0.016	0.150	0.002		
65.0	13.00		0.051	0.009	0.155	0.002		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.455		0.008		000E00		000E00	170E01
10.0	0.510				000E00			
50.0	0.505							
65.0	0.575							

DEPTH	SPC 35	FE NF
1.0	110E01	0.011
10.0		0.009
50.0		0.009
65.0		0.009

C-REF-NO 001
CONS. NO 069
COUNTRY 18
INSTITUTE 22

LAT 43-30-24N
LON 079-22-18W

YEAR 1967
MONTH 06
DAY 17
TIME 0650

NO. DEPTHS 04
SOUNDING 0878
BT SLIDE NO

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0		5	17.10	1.4	311	5.0	8.910	86.0
10.0		5	5.50	0.5	313		8.470	
50.0		5	3.92	0.1	313	2.6	8.230	
87.0		5	3.80	0.4	313	2.4	8.160	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	13.20		0.033	0.010	.40	0.003		26.2
10.0	13.70		0.030	0.011	0.125	0.001		
50.0	12.95		0.048	0.010	0.150	0.001		
87.0	12.60		0.057	0.010	0.150	0.001		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.470	126.8	0.006		110E02		000E00	
10.0	0.380				500E00			
50.0	0.585							
87.0	0.700				300E00		000E00	210E01

DEPTH	SPC 35	FE NF
1.0	220E02	0.010
10.0		0.010
50.0		0.009
87.0	170E01	0.009

C-REF-NO 001
CONS. NO 070
COUNTRY 18
INSTITUTE 22

LAT 43-34-24N
LON 079-22-00W

YEAR 1967
MONTH 06
DAY 17
TIME 0735

NO. DEPTHS 04
SOUNDING 0713
BT SLIDE NO

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0		5	14.71	1.3	313	4.6	8.830	83.6
10.0		5	7.01	0.6	318		8.580	
50.0		5	4.08	0.6	312		8.190	87.0
70.0		5	3.90	0.6	324	4.0	8.070	87.4

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	13.80		0.048	0.018		0.001		
10.0	14.05		0.030	0.015	0.100	0.001		
50.0	13.10		0.057	0.055	0.140	0.001		
70.0	11.85		0.063	0.014	0.140	0.001		

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.445		0.006					
10.0	0.345				960E01			
50.0	0.395							
70.0	0.595				220E01		000E00	320E01

DEPTH	SPC 35	FE NF
1.0		0.013
10.0		0.011
50.0		0.010
70.0		0.010

C-REF-NO 001
CONS. NO 071
COUNTRY 18
INSTITUTE 22

LAT 43-36-06N
LON 079-25-24W

YEAR 1967
MONTH 06
DAY 17
TIME 0816

NO. DEPTHS 03
SOUNDING 0384
BT SLIDE NO

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0		7	19.42	3.0	351	7.1	8.770	92.0
10.0		5	8.56	0.9	336		8.530	
36.0		5	4.17	1.3	317	3.6	8.110	

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	11.50				0.002	0.007		31.0
10.0	12.70		0.030	0.050	0.005	0.003		
36.0	12.05		0.096		0.120			

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.675	136.0	0.006					
10.0	0.150							
36.0							220E01	

DEPTH	SPC 35	FE NF
1.0		0.024
10.0		0.006
36.0		0.020

C-REF-NO 001
CONS. NO 072
COUNTRY 18
INSTITUTE 22

LAT 43-33-12N
LON 079-25-48W

YEAR 1967
MONTH 06
DAY 17
TIME 0855

NO. DEPTHS 04
SOUNDING 0603
BT SLIDE NO

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0		5	16.05	1.4	316		8.870	85.0
10.0		5	5.17	0.4	313		8.390	
50.0		5	4.11	0.4	315		8.220	89.0
58.0		5	4.04	0.4	317		8.130	90.0

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	12.70			0.010	0.005	0.002		
10.0	12.65			0.011	0.095	0.002		
50.0	12.75		0.057	0.012	0.150	0.002		25.8
58.0	12.50		0.063	0.043	0.125	0.002		27.0

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.375	129.8	0.005				200E00	
10.0	0.130				440E01			
50.0	0.375	129.4						
58.0	0.525	131.6			500E01		000E00	

DEPTH	SPC 35	FE NF
1.0		0.009
10.0		0.007
50.0		0.007
58.0		0.007

C-REF-NO 001	LAT 43-30-12N	YEAR 1967	NO. DEPTHS 04
CONS. NO 073	LON 079-26-00W	MONTH 06	SOUNDING 0768
COUNTRY 18		DAY 17	BT SLIDE NO
INSTITUTE 22		TIME 0930	

DEPTH	SECCHI	HAZEN	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK
1.0		5	15.63	1.3	312		8.880	80.0
10.0		5	5.49	0.5	313		8.620	
50.0		5	3.92	0.3	316	2.2	8.270	90.0
75.0			3.98					

DEPTH	O2 W	D O2 P	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL
1.0	13.14		0.033	0.005		0.001		29.8
10.0	14.00		0.030	0.003				
50.0	13.05		0.057	0.015	0.125	0.002		26.2
75.0								

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.345	127.8	0.006		320E01		000E00	
10.0					000E00			
50.0	0.360	130.8						
75.0					120E01		000E00	

DEPTH	SPC 35	FE NF
1.0		0.010
10.0		
50.0		
75.0		

CRUISE 67 - 003, June 25 - 29

C-REF-NO 003
CONS. NO 001
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 25
TIME 1155

NO. DEPTHS 05
SOUNDING 0540
BT SLIDE NO 001

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	2.5	17.34	1.0	310	4.0	8.780		
10.0		16.04	0.8	307		8.710		
20.0		9.82	0.5	313		8.480		
30.0		5.39	0.4	321		8.310		
52.0		4.25	1.6	329	4.3	8.030		

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	11.50	0.006	0.042		0.001	0.525	0.483	26.0
10.0	10.80	0.006	0.050		0.001			26.0
20.0	11.10	0.003	0.030	0.060	0.003			26.5
30.0	11.70	0.004	0.041	0.140	0.003			26.0
52.0	10.20	0.012	0.070	0.215	0.003	0.440	0.370	26.0

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0					900E00	000E00	000E00	300F02
10.0					110E01			
20.0								
30.0								
52.0					300E00	000E00	000E00	550E02

DEPTH	SPC 35
1.0	150E02
10.0	
20.0	
30.0	
52.0	380E01

C-REF-NO 003
CONS. NO 002
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 25
TIME 1323

NO. DEPTHS 03
SOUNDING 0171
BT SLIDE NO 002

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.6	17.35	0.6	307	5.4	8.860	95.0	
10.0		17.33	0.6	307		8.860		
17.0		17.10	0.6	312	5.2	8.810	89.8	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	10.90	0.005	0.020				0.280	26.0
10.0	10.90	0.004	0.016		0.001			27.0
17.0	10.70	0.004	0.024		0.001	0.375	0.351	26.0

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0		136.0		23.51				
10.0								
17.0		132.2						

DEPTH	SPC 35
1.0	
10.0	
17.0	

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

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

YEAR 1967
MONTH 06
DAY 25
TIME 1436

NO. DEPTHS 13
SOUNDING 0830
BT SLIDE NO 003

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	4.2	18.07	0.7	311	3.9	8.870	92.4	2.7
4.0		17.99	0.5	311	4.5	8.860	93.8	
7.0		17.46	0.6	313	3.7	8.860	85.0	
10.0		8.90			3.0		91.2	
13.0		5.53	0.5	317	3.6	8.430		
16.0		4.93	0.2	318	2.4	8.340	95.5	
19.0		4.40	0.3	319	3.3	8.210		
22.0		4.27	0.3	319	3.4	8.170	93.6	
25.0		4.20	0.3	322	2.0	8.180	91.2	
28.0		4.15	0.3	323	2.7	8.190	94.7	
50.0								
75.0								
79.0							81.0	1.1

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	10.90	0.004	0.013			0.350	0.337	27.0
4.0	10.50	0.003	0.014			0.350	0.336	27.0
7.0	11.30	0.003	0.012			0.275	0.263	27.0
10.0	12.30	0.004	0.017	0.020	0.002	0.270	0.253	26.5
13.0	13.00	0.001	0.010	0.110	0.002	0.290	0.280	26.5
16.0	12.40	0.002	0.014	0.115	0.002	0.175	0.261	26.5
19.0	12.60	0.004	0.017	0.175	0.002	0.290	0.273	26.5
22.0	12.50		0.020	0.180	0.002			26.5
25.0	12.30		0.028	0.180	0.002	0.340	0.312	26.5
28.0	11.90		0.025	0.190	0.002	0.377	0.350	26.5
50.0								
75.0								
79.0			0.008					

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0		135.5	0.003	15.54				
4.0	0.480	136.8						
7.0	0.350	128.5						
10.0	0.470	132.9						
13.0	0.250							
16.0	0.340	136.9						
19.0	0.490							
22.0	0.620	135.2						
25.0	0.540	135.2						
28.0	0.630	135.4						
50.0								
75.0								
79.0	0.650							

DEPTH	SPC 35	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0		196.0	92.7	24.5	39.600	7.700	1.500	12.500
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								
22.0								
25.0								
28.0								
50.0								
75.0		198.0	94.2	24.9	40.000	7.900	1.500	12.000
79.0		196.0	96.1	24.2	40.800	7.600	1.400	12.000

DEPTH	CDNF	CR NF	CO NF	CU NF	FE NF	PB NF	LI NF	MN NF
1.0	0.000	0.000	0.000	0.047	0.124	0.035	0.003	0.010
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								
22.0								
25.0								
28.0								
50.0	0.000	0.000	0.000	0.007	0.012	0.010	0.005	0.010
75.0								
79.0	0.000	0.000	0.000	0.017	0.126	0.007	0.004	0.025

DEPTH	NI NF	SR NFA	ZN NF
1.0	0.002	0.175	0.018
4.0			
7.0			
10.0			
13.0			
16.0			
19.0			
22.0			
25.0			
28.0			
50.0	0.003	0.160	0.018
75.0			
79.0	0.002	0.175	0.004

C-REF-NO 003
CONS. NO 004
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 25
TIME 1739

NO. DEPTHS 07
SOUNDING 0938
BT SLIDE NO 004

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.5	15.74	0.5	307	1.9	8.810	92.0	
10.0		15.47	0.5	311		8.840		
20.0		5.59	0.4	309		8.370		
30.0		4.21	0.2	320		8.200		
50.0		4.00	0.2	321	2.3	8.190	95.5	
74.0		3.87	0.5	321		8.160		
91.0		3.79	0.2	332	5.5	7.975	93.9	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	12.20	0.005	0.013		0.001	0.150	0.137	26.5
10.0	12.30	0.005	0.025		0.001			26.5
20.0	12.90	0.004	0.031	0.135	0.002			26.5
30.0	12.40	0.002	0.027	0.195	0.002			26.5
50.0	12.50	0.005	0.031	0.200	0.003	0.150	0.119	26.5
74.0	12.70							
91.0	9.90	0.019	0.030	0.230	0.003	0.375	0.345	26.5

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.200	136.9		19.67	500E00		000E00	150E02
10.0	0.830				000E00			
20.0	0.280							
30.0	0.550							
50.0	0.590	137.4			100E00			
74.0								
91.0	0.001	134.9			150E01		000E00	220E02

DEPTH	SPC 35
1.0	270E01
10.0	
20.0	
30.0	
50.0	
74.0	
91.0	100E01

C-REF-NO 003
CONS. NO 005
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 25
TIME 1846

NO. DEPTHS 04
SOUNDING 0290
BT SLIDE NO 005

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.5	14.80	0.1	305	4.2	8.440	88.2	
10.0		11.87		304		8.560		
20.0		5.12	0.2	312		8.250		
10.0			0.7					
28.0		5.07	0.9	314	3.4	8.180	94.3	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	12.20	0.004	0.019		0.001			26.5
10.0		0.002	0.019	0.045	0.002			
20.0	11.80	0.009	0.060	0.165	0.003			26.5
10.0	12.50							26.5
28.0	11.70	0.009	0.062	0.165	0.003			26.5

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.140	130.1		14.95				
10.0	0.520							
20.0	0.340							
10.0								
28.0	0.300	136.4						

DEPTH	SPC 35
1.0	
10.0	
20.0	
10.0	
28.0	

C-REF-NO 003
CONS. NO 006
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 25
TIME 2033

NO. DEPTHS 02
SOUNDING 0131
BT SLIDE NO 006

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.5	8.61	0.2	306	6.1	8.340	92.9	
10.0		5.28	0.1	306	4.9	8.120	95.5	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	12.20	0.004	0.037	0.110	0.003	0.320	0.283	
10.0	12.50	0.005	0.037	0.170	0.003	0.325	0.288	

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.265	135.9		11.42				
10.0	0.265	136.8						

DEPTH	SPC 35
1.0	
10.0	

C-REF-NO 003
CONS. NO 007
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 25
TIME 2122

NO. DEPTHS 07
SOUNDING 1030
BT SLIDE NO 007

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	4.0	14.85	0.4	305	4.3	8.810	95.0	
10.0		11.01	0.8	314		8.650		
20.0		4.52	0.8	317		8.340		
30.0		4.06	0.6	323		8.190		
50.0		3.95	0.6	318	2.6	8.160	93.3	
75.0		3.89	0.4	320		8.170		
101.0		3.76	0.5	305	2.8	8.180	95.0	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	12.80	0.003	0.030	0.005	0.001	0.200	0.170	26.0
10.0	12.50	0.003	0.020	0.055	0.002			26.0
20.0	12.60	0.004	0.019	0.190	0.002			26.0
30.0	12.70	0.007	0.034	0.200	0.002			26.0
50.0	12.70	0.009	0.037	0.200	0.002	0.200	0.163	26.0
75.0	12.80	0.011	0.021	0.200	0.002			26.0
101.0	12.50	0.011		0.205	0.002	0.225	0.201	26.0

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0		137.3	0.003	19.08				
10.0	0.150				130E01			
20.0	0.460							
30.0	0.480							
50.0	0.560	134.1			000E00			
75.0	0.520							
101.0	0.770	136.8			400E00		000E00	800E02

DEPTH	SPC 35
1.0	
10.0	
20.0	
30.0	
50.0	
75.0	
101.0	800E00

C-REF-NO 003
CONS. NO 008
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 25
TIME 2219

NO. DEPTHS 08
SOUNDING 1200
BT SLIDE NO 008

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.0	15.34	0.6	305	3.9	8.810	90.4	
10.0		6.10	0.5	311		8.180		
20.0		3.97	0.3	315		8.230		
30.0		3.95	0.3	318		8.180		
50.0		4.16	0.3	316	3.2	8.180	93.4	
75.0		3.98	0.2	323		8.170		
100.0		3.82	0.2	320		8.190		
118.0		3.74	0.5	310	7.0	8.170	94.6	

DEPTH	02 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	11.90			0.005	0.001	0.175	0.155	26.0
10.0	12.90			0.135	0.002			26.0
20.0	12.20	0.008	0.027	0.200	0.002			26.0
30.0	12.80	0.007	0.021	0.200	0.002			26.0
50.0	13.00	0.007	0.029	0.200	0.002	0.200	0.171	26.0
75.0	12.90	0.011	0.025	0.200	0.002			26.0
100.0	12.50	0.011	0.013	0.200	0.002			26.0
118.0	12.60	0.013	0.036	0.205	0.003	0.175	0.139	26.0

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.310	130.9	0.004	17.31	300E00		000E00	900E01
10.0	0.370				000E00			
20.0	0.480							
30.0	0.700							
50.0	0.600	136.5			000E00			
75.0	0.630							
100.0	0.530							
118.0	0.770	137.4			000E00		000E00	180E01

DEPTH	SPC 35
1.0	240E01
10.0	
20.0	
30.0	
50.0	
75.0	
100.0	
118.0	120E01

C-REF-NO 003
CONS. NO 009
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 25
TIME 2316

NO. DEPTHS 07
SOUNDING 1280
BT SLIDE NO 009

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.5	16.17	0.7	356	6.2	8.740	92.4	
10.0		9.09	0.2	328		8.490		
20.0		4.01	0.7	319		8.740		
30.0		3.98	0.3	316		8.260		
50.0		3.98	0.3	317	1.6	8.180	96.5	
75.0		3.88	0.4	315		8.200		
100.0		3.82	0.2	318		8.160		

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	12.10	0.002	0.017	0.007	0.002	0.200	0.183	26.5
10.0	12.70	0.003	0.028	0.080	0.002			26.5
20.0	12.30	0.007	0.042	0.105	0.003			26.5
30.0	12.20	0.007	0.045	0.200	0.003			26.5
50.0	12.70	0.007	0.028	0.200	0.003	0.290	0.262	26.5
75.0	12.90			0.200	0.003			26.5
100.0	12.50	0.012	0.025	0.200	0.003			26.5

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.140	133.0	0.006	20.85	150E01		000E00	210E02
10.0	0.190				000E00			
20.0	0.450							
30.0	0.450							
50.0	0.440	137.7						
75.0								
100.0	0.630							

DEPTH	SPC 35
1.0	630E01
10.0	
20.0	
30.0	
50.0	
75.0	
100.0	

C-REF-NO 003
CONS. NO 010
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 26
TIME 0058

NO. DEPTHS 07
SOUNDING 0960
BT SLIDE NO 010

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.6	14.59	0.8	314	5.3	8.760	90.3	
10.0		14.44	0.9	314		8.780		
20.0		7.67	1.0	316		8.270		
30.0		5.14	0.7	316		8.280		
50.0		4.00	0.4	317	5.6	8.370	93.9	
75.0		3.93	0.4	301		8.190		
93.0		3.92	0.6	316	4.6	8.180	98.0	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	12.60	0.003	0.026	0.015	0.002			26.3
10.0	12.60	0.003	0.035	0.015	0.002			26.3
20.0	12.20	0.003	0.044	0.135	0.003			26.3
30.0	12.70	0.003	0.045	0.180	0.003			26.2
50.0	12.90	0.013	0.040	0.200	0.003			26.2
75.0	12.20	0.010	0.046	0.200	0.003			26.2
93.0	12.20	0.010	0.045	0.200	0.003	0.100	0.055	26.2

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.480	130.6	0.005	21.15	000E00	000E00	000E00	650E01
10.0	0.270				000E00			
20.0	0.280							
30.0	0.430							
50.0	0.420	135.4						
75.0	0.770							
93.0	0.480	138.8						

DEPTH	SPC 35
1.0	200E01
10.0	
20.0	
30.0	
50.0	
75.0	
93.0	

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

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

YEAR 1967
MONTH 06
DAY 26
TIME 0152

NO. DEPTHS 03
SOUNDING 0170
BT SLIDE NO 011

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		16.93	1.5	311	5.9	8.800	95.0	
10.0		16.90	1.5	314		8.830		
14.0		16.91	1.0	314	4.9	8.770	91.3	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	11.90	0.004	0.026		0.001	0.340	0.314	26.2
10.0	11.70	0.004	0.025		0.001			26.2
14.0	11.90	0.003	0.028		0.001	0.310	0.282	26.3

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.540	137.1	0.004	18.13				
10.0	0.880				600E00			
14.0	0.880	133.4			140E01	000E00	C00E00	400E01

DEPTH	SPC 35
1.0	
10.0	
14.0	500E01

C-REF-NO 003
CONS. NO 012
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 26
TIME 0252

NO. DEPTHS 03
SOUNDING 0180
BT SLIDE NO 012

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		17.85	3.5	309	14.4	8.840	93.3	
10.0		17.83	4.0	306		8.840		
15.0		17.83	4.0	311	10.5	8.830	90.7	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	11.40	0.009	0.029		0.002	0.350	0.321	26.3
10.0	11.50	0.007	0.032		0.002			26.3
15.0	11.50	0.008	0.047		0.002	0.480	0.423	26.3

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.520	135.5	0.004	27.93	800E01	300E00	000E00	280E02
10.0	0.580				800E01			
15.0	0.420	131.9			120E02	220E01	000E00	660E02

DEPTH	SPC 35
1.0	250E02
10.0	
15.0	600E02

C-REF-NO 003
CONS. NO C13
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 26
TIME 0402

NO. DEPTHS 05
SOUNDING 0380
BT SLIDE NO 013

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		18.71	2.0	316	5.3	8.480	94.0	
10.0		18.60	1.5	318		8.570		
20.0		15.59	1.3	319		8.710		
30.0		11.75	1.0	322		8.400		
34.0		9.23	1.0	325	6.0	8.300	80.2	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	10.10	0.012	0.055	0.020	0.004	0.450	0.395	26.2
10.0	10.10	0.008	0.055	0.020	0.003	0.340	0.285	26.2
20.0	12.00	0.003	0.027	0.002	0.002	0.350	0.323	25.8
30.0	11.40	0.005	0.051	0.060	0.004		0.224	25.8
34.0	10.60	0.004	0.054	0.105	0.003	0.290	0.236	25.8

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0		135.2		11.71	690E01		000E00	280E02
10.0					710E01			
20.0								
30.0								
34.0		130.9				500E00	200E00	160E03

DEPTH	SPC 35
1.0	170E03
10.0	
20.0	
30.0	
34.0	500E02

C-REF-NO 003
CONS. NO 014
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 26
TIME 0448

NO. DEPTHS 06
SOUNDING 0950
BT SLIDE NO 014

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		14.40	0.4	316	3.6	8.720	92.2	
10.0		14.42	0.4	315		8.750		
20.0		12.56	0.5	317		8.650		
30.0		6.64	0.4	318		8.280	92.4	
50.0		4.46	0.3	319	3.5	8.230	89.1	
74.0		3.99	0.5	318		8.510		

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	11.40	0.003	0.042	0.085	0.002	0.310	0.268	26.0
10.0	12.10	0.003	0.023	0.065	0.002	0.325	0.302	25.7
20.0	12.20	0.003	0.031	0.055	0.003	0.320	0.289	25.7
30.0	12.60	0.002	0.056	0.140	0.003	0.275	0.219	25.6
50.0	12.60	0.005	0.052	0.170	0.003	0.275	0.223	25.6
74.0	12.60	0.003	0.034	0.180	0.003	0.410	0.376	25.6

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.200	136.9		24.10	000E00		000E00	220E02
10.0	0.400				200E00			
20.0	0.130							
30.0	0.220	137.2						
50.0	0.320	129.4			700E00			
74.0	0.210							

DEPTH	SPC 35
1.0	220E01
10.0	
20.0	
30.0	
50.0	
74.0	

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

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

YEAR 1967
MONTH 06
DAY 26
TIME 0608

NO. DEPTHS 08
SOUNDING 1420
BT SLIDE NO 015

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		15.62	0.4	312	0.5	8.790	86.8	
10.0		10.25	0.5	315		8.600		
20.0		5.57	0.3	317		8.280		
30.0		3.97	0.2	318		8.200		
49.0		3.92	0.1	318	4.5	8.190	92.6	
74.0		3.89	0.5	324		8.180		
98.0		3.83	0.5	325		8.140		
138.0		4.01	7.8	321	7.6	8.200	91.0	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	11.40	0.004	0.026	0.005	0.001	0.475	0.449	26.6
10.0	12.70	0.003	0.027	0.075	0.002			26.5
20.0	12.80	0.002	0.054	0.170	0.002			26.5
30.0	13.00	0.009	0.025	0.205	0.002			26.5
49.0	12.90	0.008	0.022	0.205	0.002	0.225	0.203	26.5
74.0	12.90	0.009	0.027	0.205	0.002			26.5
98.0	12.90	0.010	0.028	0.205	0.002			26.5
138.0	12.60	0.021	0.035	0.180	0.005	0.425	0.390	27.0

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.230	129.2		24.39	300E00		C00E00	180E01
10.0	0.230				000E00			
20.0	0.280							
30.0	0.600							
49.0	0.500	136.1			000E00			
74.0	0.500							
98.0	0.530							
138.0	0.490	135.1			100E00		C00E00	120E01

DEPTH	SPC 35
1.0	310E01
10.0	
20.0	
30.0	
49.0	
74.0	
98.0	
138.0	100E01

C-REF-NO 003
CONS. NO 016
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 26
TIME 0725

NO. DEPTHS 08
SOUNDING 1320
BT SLIDE NO 016

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		14.60	0.5	305	2.9	8.730	87.0	
10.0		14.51	0.5	308		8.750		
20.0		4.92	0.5	313		8.320		
30.0		4.22	1.0	323		7.950		
50.0		3.91	0.3	318	2.0	8.200	91.9	
75.0		3.87	0.4	321		8.230		
100.0		3.82	1.4	326		8.280		
130.0		3.90	0.5	319	1.8	8.320	89.8	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	12.80	0.007	0.025	0.005	0.001	0.290	0.265	26.3
10.0	12.50	0.006	0.021	0.020	0.002			26.4
20.0	13.20	0.002	0.021	0.180	0.003			26.3
30.0	13.00	0.007	0.021	0.200	0.003			26.3
50.0	12.80	0.009	0.025	0.206	0.003	0.375	0.350	26.3
75.0	12.80	0.010	0.025	0.205	0.003			26.3
100.0	12.80	0.010	0.031	0.205	0.003			26.3
130.0	13.20	0.010	0.021	0.205	0.003	0.275	0.354	26.3

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0		129.7		22.92	000E00		000E00	230E01
10.0					000E00			
20.0								
30.0								
50.0		131.8			000E00			
75.0								
100.0								
130.0		131.9						

DEPTH	SPC 35
1.0	190F01
10.0	
20.0	
30.0	
50.0	
75.0	
100.0	
130.0	

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

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

YEAR 1967
MONTH 06
DAY 26
TIME 0855

NO. DEPTHS 08
SOUNDING 1200
BT SLIDE NO 017

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		14.38	0.6	310	3.0	8.880		
9.0		11.95	0.5	308		8.830		
19.0		6.43	0.4	313		8.400		
28.0		3.95	0.2	315		8.260		
47.0		3.92	0.1	315	3.4	8.220		
70.0		3.90	0.1	316		8.170		
94.0		3.79	0.3	320		8.170		
111.0		3.75	1.8	318	48.4	8.140		

DEPTH	02 W	R P04	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	12.80	0.008	0.040		0.001	0.280	0.240	26.4
9.0	12.50	0.003	0.045	0.015	0.002			26.4
19.0	13.40	0.002	0.030	0.130	0.002			26.4
28.0	12.80	0.008	0.025	0.205	0.002			26.4
47.0	13.00	0.008	0.020	0.205	0.002	0.180	0.160	26.4
70.0	13.00	0.008	0.015	0.205	0.002			
94.0	12.50	0.011	0.022	0.205	0.002			26.3
111.0	13.00		0.043	0.210	0.007	0.450	0.407	29.5

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.060		0.004	27.05	000E00		000E00	190E01
9.0	0.130				000E00			
19.0	0.260							
28.0	0.450							
47.0	0.470				000E00			
70.0	0.460							
94.0	0.570							
111.0	0.900				000E00		000E00	400E00

DEPTH	SPC 35
1.0	180E01
9.0	
19.0	
28.0	
47.0	
70.0	
94.0	
111.0	210E01

C-REF-NO 003
CONS. NO 018
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 26
TIME 0955

NO. DEPTHS 06
SOUNDING 0780
BT SLIDE NO 018

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.5	15.58	0.6	306		8.800	88.3	
10.0		10.13	0.5	311		8.740		
20.0		5.09	0.3	315		8.330		
30.0		4.23	0.3	319		8.230		
49.0		3.94	0.2	317	4.2	8.180	93.3	
75.0		3.83	0.8	321	3.0	8.170	91.7	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	12.10	0.007	0.021		0.001	0.325	0.304	25.5
10.0	13.50	0.003	0.027	0.040	0.003			25.5
20.0	13.00	0.002	0.035	0.170	0.003			25.5
30.0	13.00	0.002	0.046	0.200	0.002			25.5
49.0	13.00	0.006	0.054	0.205	0.002	0.250	0.196	25.5
75.0	12.60	0.007	0.030	0.210	0.003			25.5

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.210	132.0	0.003	21.15	000E00		000E00	310E01
10.0	0.190				000E00			
20.0	0.200							
30.0	0.410							
49.0	0.510	133.8			000E00			
75.0	0.580	136.4			000E00		000E00	120E01

DEPTH	SPC 35
1.0	320E01
10.0	
20.0	
30.0	
49.0	
75.0	230E01

C-REF-NO 003
CONS. NO 019
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 26
TIME 1047

NO. DEPTHS 03
SOUNDING 0190
BT SLIDE NO 019

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	4.0	13.85	0.7	309	2.1	8.620	92.4	
10.0		13.07	0.8	311		8.620		
17.0		5.05		314	0.0	8.230	91.3	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	11.70	0.002	0.029	0.005	0.002	0.560	0.531	25.6
10.0	11.70	0.003	0.033	0.010	0.002			25.6
17.0	12.40	0.003	0.036	0.025	0.003	0.250	0.214	25.6

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.120	133.0		15.25				
10.0	0.140							
17.0	0.430	132.0						

DEPTH	SPC 35
1.0	
10.0	
17.0	

C-REF-NO 003
CONS. NO 020
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 26
TIME 1221

NO. DEPTHS 04
SOUNDING 0320
BT SLIDE NO 020

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	6.0	13.62	0.6	310	4.3	8.660	93.6	
10.0		12.51	0.5	313		8.650		
20.0		5.28	0.6	318		8.240		
30.0		4.88	0.8	323	4.9	8.150	79.0	

DEPTH	02 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	12.20			0.005	0.002	0.425	0.384	25.5
10.0	12.20	0.003		0.015	0.002			25.5
20.0	12.20	0.002	0.046	0.160	0.003			25.5
30.0	12.00	0.002	0.041	0.190	0.003	0.260	0.219	25.5

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.070	136.5	0.002	11.42	300E00	200E00	000E00	530E01
10.0	0.090				000E00			
20.0	0.260							
30.0	0.400	132.2			100E00	000E00	000E00	480E01

DEPTH	SPC 35
1.0	180E01
10.0	
20.0	
30.0	150E01

C-REF-NO 003
CONS. NO 021
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 26
TIME 1319

NO. DEPTHS 03
SOUNDING 0200
BT SLIDE NO 021

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	4.5	12.94	0.5	304		8.810	93.8	
10.0		7.06	0.6	315		8.360		
17.0		5.37	0.3	319	5.8	8.190	91.8	

DEPTH	02 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	12.30	0.007	0.019	0.008		0.350	0.331	25.5
10.0	11.90	0.004	0.040	0.115	0.003			25.5
17.0	11.90	0.002	0.040	0.160	0.003	0.325	0.285	25.5

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.090	136.4		11.71				
10.0	0.180							
17.0	0.210	133.1						

DEPTH	SPC 35
1.0	
10.0	
17.0	

C-REF-NO 003
CONS. NO 022
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 26
TIME 1411

NO. DEPTHS 06
SOUNDING 0730
BT SLIDE NO 022

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	5.8	13.97	0.3	317	6.3	8.850	91.7	
10.0		13.48	0.4	314		8.890		
20.0		5.27	0.2	315		8.420		
30.0		4.13	0.1	315		8.280		
50.0		3.91	0.3	313	0.7	8.230		
70.0		3.89	0.4	316	4.0	8.220	94.0	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	12.20	0.005	0.022	0.003	0.001	0.275	0.253	25.6
10.0	12.40	0.003	0.021	0.005	0.002			25.6
20.0	12.60	0.002	0.023	0.165	0.002			25.6
30.0	12.60	0.002	0.027	0.195	0.002			25.5
50.0	13.10	0.006	0.043	0.200	0.002	0.100	0.057	25.5
70.0	12.70	0.005	0.030	0.200	0.002	0.240	0.210	25.5

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.080	137.9	0.003	13.18	140E01		C00E00	900E00
10.0	0.020				000E00			
20.0	0.100							
30.0	0.330							
50.0	0.460				000E00			
70.0	0.440	138.6			000E00		C00E00	700E00

DEPTH	SPC 35
1.0	160E01
10.0	
20.0	
30.0	
50.0	
70.0	310E01

C-REF-NO 003
CONS. NO 023
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 26
TIME 1501

NO. DEPTHS 07
SOUNDING 1070
BT SLIDE NO 023

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		13.58	0.2	326	1.4	8.750		
10.0		12.08	0.3	318		8.780		
20.0		4.41	0.4	324		8.340		
30.0		4.08	0.1	346		8.170		
50.0		3.87	0.1	326	2.9	8.190	91.6	
75.0		3.83	0.1	323		8.200		
100.0		3.76	0.1	326	2.2	8.210	96.0	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	12.90	0.007	0.025	0.008	0.002	0.360	0.335	25.5
10.0	13.10	0.003	0.039	0.030	0.003			25.4
20.0	13.10	0.002	0.016	0.190	0.002			25.4
30.0	13.10	0.003	0.024	0.200	0.002			25.4
50.0	13.10	0.005	0.030	0.205	0.002			25.4
75.0	13.00	0.006	0.025	0.200	0.002			25.4
100.0	12.20	0.007	0.026	0.170	0.003	0.350	0.324	25.5

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.080		0.005	14.95	000E00		000E00	600E00
10.0	0.110							
20.0	0.160							
30.0	0.230							
50.0	0.280	132.2						
75.0	0.310							
100.0	0.330	137.0			000E00		000E00	500E00

DEPTH	SPC 35
1.0	110E01
10.0	
20.0	
30.0	
50.0	
75.0	
100.0	800E00

C-REF-NO 003
CONS. NO 024
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 26
TIME 1556

NO. DEPTHS 18
SOUNDING 1400
BT SLIDE NO 024

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	4.6	13.76	0.3	318	2.9	8.790	91.6	
4.0		13.78	0.3	314	1.8	8.660	89.0	
7.0		13.42	0.3	314	1.7	8.740	88.7	
10.0		9.44	0.3	319	1.7	8.540	91.5	
13.0		5.72	0.2	320	1.6	8.350	88.0	
16.0		5.39	0.1	318	3.0	8.350	82.1	
19.0		5.21	0.2	323	2.7	8.240	80.0	
22.0		4.87	0.5	323	4.6	8.700	91.5	
25.0		4.63	0.2	326	1.7	8.240	91.4	
28.0		4.45	0.2	322	2.1	8.240	87.4	
31.0		3.91	0.1	316	0.4	8.120	85.7	
34.0		3.86	0.1	317	0.4	8.190	86.8	
37.0		3.93	0.1	318	0.4	8.180	87.8	
40.0		3.94	0.1	326	0.0	8.150	87.4	
50.0		3.90	0.2	323	1.6	8.150	73.0	
75.0		3.80	0.1	323	0.0	8.150	89.6	
100.0		3.73	0.1	324	1.9	8.170	83.2	
138.0		3.69	0.2	348	0.6	8.120	87.0	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	13.00	0.005	0.022	0.015	0.002	0.290	0.268	25.2
4.0	13.00	0.005	0.026	0.015	0.002	0.280	0.254	25.3
7.0	13.00	0.005	0.027	0.015	0.002			25.2
10.0	13.30	0.004	0.027	0.075	0.003	0.275	0.248	25.3
13.0	13.10	0.003	0.021	0.175	0.002	0.350	0.329	25.3
16.0	13.10	0.002	0.025	0.185	0.002	0.240	0.215	25.3
19.0	13.00	0.002	0.026	0.190	0.002			25.4
22.0	13.00	0.004	0.026	0.195	0.002	0.310	0.284	25.4
25.0	13.00	0.004	0.029	0.197	0.002	0.250	0.221	25.4
28.0	12.90	0.005	0.033	0.200	0.002	0.240	0.207	25.3
31.0	12.70	0.010	0.024	0.210	0.002	0.290	0.266	26.5
34.0	12.70	0.010	0.022	0.210	0.002	0.150	0.128	25.3
37.0	13.10	0.009	0.009	0.210	0.002	0.200	0.191	25.5
40.0	13.10	0.010	0.010	0.210	0.002	0.200	0.190	25.4
50.0	13.20	0.010	0.010	0.210	0.002	0.250	0.240	25.4
75.0	12.80	0.011	0.011	0.210	0.002	0.260	0.249	25.5
100.0	13.10	0.012	0.012	0.210	0.002	0.190	0.178	25.5
138.0	12.80	0.012	0.012	0.210	0.002	0.175	0.163	25.6

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.340	133.3		18.49	000E00		000E00	
4.0	0.150	132.5						
7.0	0.350	137.4						
10.0	0.280	132.5			000E00			
13.0	0.310	130.7						
16.0	0.490	128.1						
19.0	0.340	128.8						
22.0	0.420	132.9						
25.0	0.620	134.0						
28.0	0.450	130.6						
31.0	0.550	129.2						
34.0	0.550	128.7						
37.0	0.450	133.0						
40.0	0.450	135.5						
50.0	0.480				000E00			
75.0	0.500	136.6						
100.0	0.510	132.7						
138.0	0.800	130.4			000E00		000E00	

DEPTH	SPC 35	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0		194.0	93.2	24.7	40.000	7.600	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		194.0	93.7	28.2	40.000	7.900	1.600	12.000
75.0								
100.0								
138.0		195.0	95.1	28.6	40.000	8.000	1.500	12.000

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	0.007	0.004	0.006	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	0.004	0.052	0.004	0.002	0.005
75.0								
100.0								
138.0	0.000	0.000	0.000	0.018	0.011	0.005	0.003	0.010

DEPTH	NI NF	SR NFA	ZN NF
1.0	0.002	0.165	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	0.165	0.014
75.0			
100.0			
138.0	0.002	0.170	0.017

C-REF-NO 003
CONS. NO 025
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 26
TIME 1903

NO. DEPTHS 09
SOUNDING 1650
BT SLIDE NO 025

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	4.0	15.01	0.5	322	6.6	8.800	90.7	
10.0		11.75	0.8	343		7.590		
20.0		4.49	0.6	342		7.510		
30.0		4.16	0.2	316		8.120		
50.0		4.04	0.2	311	3.8	8.190	85.3	
75.0		4.04	0.2	313		7.840		
100.0		3.86	0.1	313		8.080		
150.0		3.75	0.2	319		8.150		
162.0		3.73	0.2	314	0.5	7.880	85.0	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	12.20	0.007	0.042	0.005	0.002	0.300	0.258	25.5
10.0	12.90	0.004	0.041	0.045	0.003			25.5
20.0	12.60	0.005	0.030	0.205	0.002			25.3
30.0	12.70	0.010	0.029	0.210	0.002			25.4
50.0	12.80	0.010	0.027	0.215	0.002	0.275	0.248	25.3
75.0	12.80	0.011	0.032	0.210	0.002			25.3
100.0	12.70	0.011	0.025	0.210	0.002			25.1
150.0	12.70	0.011	0.027	0.210	0.002			25.2
162.0	12.60	0.011	0.033	0.215	0.002	0.260	0.227	25.3

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.170	132.2		19.08	000E00		000E00	
10.0	0.270				000E00			
20.0	0.560							
30.0	0.500							
50.0	0.690	135.8			000E00			
75.0	0.550							
100.0	0.820							
150.0	0.500							
162.0	0.510	131.9			000E00		000E00	

DEPTH	SPC 35
1.0	
10.0	
20.0	
30.0	
50.0	
75.0	
100.0	
150.0	
162.0	

C-REF-NO 003
CONS. NO 026
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 26
TIME 2014

NO. DEPTHS 08
SOUNDING 1420
BT SLIDE NO 026

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	4.0	14.00	0.9	318	0.8	8.770	93.0	
10.0		12.63	0.5	318		8.610		
19.0		5.19	0.3	314		8.220		
29.0		4.39	0.3	325		8.250		
49.0		3.98	0.5	318	0.6	8.140	81.5	
73.0		3.84	0.2	324		8.750		
97.0		3.81	0.4	321		8.330		
136.0		3.73	0.4	321	0.0	8.120	92.8	

DEPTH	02 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	12.30	0.007	0.027	0.015	0.002	0.240	0.213	25.6
10.0	11.80	0.004	0.022	0.045	0.002			25.5
19.0	12.10	0.003	0.032	0.190	0.002			25.2
29.0	12.10	0.009	0.047	0.205	0.002			25.1
49.0	12.10	0.010	0.025	0.210	0.002	0.360	0.235	25.0
73.0	12.20				0.002			
97.0	12.20	0.011	0.024	0.210	0.002			25.1
136.0	12.10	0.012	0.026	0.215	0.002	0.240	0.216	25.0

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.150	133.6	0.008	16.13	000E00		000E00	
10.0	0.210				000E00			
19.0	0.360							
29.0	0.410							
49.0	0.470	137.7			000E00			
73.0								
97.0	0.510							
136.0	0.720	136.1			000E00		000E00	

DEPTH	SPC 35
1.0	
10.0	
19.0	
29.0	
49.0	
73.0	
97.0	
136.0	

C-REF-NO 003
CONS. NO 027
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 26
TIME 2120

NO. DEPTHS 05
SOUNDING 0380
BT SLIDE NO 027

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.0	17.99	1.5	326	5.8	8.850	90.0	
10.0		16.93	1.5	314		8.600		
20.0		15.08	1.0	318		8.630		
30.0		7.84	0.9	323		8.230		
37.0		6.62	1.0	316	2.2	8.120	87.5	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	10.60	0.004	0.052	0.015	0.003	0.325	0.273	27.0
10.0	10.60	0.005	0.050	0.015	0.002			26.9
20.0	10.60	0.003	0.047	0.020	0.003			26.5
30.0	11.70	0.004	0.065	0.145	0.003			26.2
37.0	11.70	0.006	0.074	0.170	0.003	0.325	0.246	26.2

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.600	131.7	0.005	22.03	660E01	200E01	000E00	
10.0	0.580				760E01			
20.0	0.240							
30.0	0.330							
37.0	0.340	129.0			240E01	100E01	000E00	

DEPTH	SPC 35
1.0	
10.0	
20.0	
30.0	
37.0	

C-REF-NO 003
CONS. NO 028
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 26
TIME 2309

NO. DEPTHS 03
SOUNDING 0210
BT SLIDE NO C28

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	2.5	17.34	1.5	315	4.2	8.750	87.0	
10.0		16.91	2.0	316		8.730		
20.0		15.93	2.5	314	6.5	8.600	90.7	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	10.60	0.006	0.029	0.015	0.002			26.8
10.0	10.50	0.005	0.055	0.020	0.002			27.0
20.0	10.60	0.006	0.044	0.025	0.003			26.7

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.410	137.9	0.002	22.92	380E01	400E00	000E00	
10.0	0.200				230E01			
20.0	0.140	130.7			360E01	100E01	000E00	720E01

DEPTH	SPC 35
1.0	
10.0	
20.0	630E01

C-REF-NO 003
CONS. NO 029
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 27
TIME 0004

NO. DEPTHS 08
SOUNDING 1330
BT SLIDE NO 029

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.0	14.36	0.7	316	0.3	8.810	92.9	
10.0		12.42	0.5	317		8.670		
20.0		5.00	0.4	321		8.220		
30.0		4.52	0.4	318		8.240		
50.0		3.94	0.4	318	0.6	8.270	89.6	
75.0		3.85	0.3	315		8.190		
100.0		3.78	0.5	310		8.410		
131.0		3.70	0.5	315	1.8	8.350	86.9	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	12.50	0.008			0.002	0.250	0.231	
10.0	12.10	0.004		0.045	0.002			
20.0	12.80							
30.0	12.90	0.005	0.047	0.200	0.002			
50.0	12.90	0.006	0.035	0.210	0.002	0.410	0.375	
75.0	12.90	0.007	0.040	0.210	0.002			
100.0	12.80	0.009	0.055	0.210	0.002			
131.0	12.70	0.011	0.037	0.215	0.002	0.270	0.233	

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.420	134.1	0.001	24.69	000E00		000E00	110E02
10.0	0.400				000E00			
20.0								
30.0	0.430							
50.0	0.490	130.8			000E00			
75.0	0.540							
100.0	0.670							
131.0	0.880	134.7			000E00		000E00	400E00

DEPTH	SPC 35
1.0	100E02
10.0	
20.0	
30.0	
50.0	
75.0	
100.0	
131.0	700E00

C-REF-NO 003
CONS. NO 030
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 27
TIME 0108

NO. DEPTHS 09
SOUNDING 1750
BT SLIDE NO 030

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		13.34	1.0	307	3.9	8.800	90.8	
10.0		9.13	0.4	316		8.550		
20.0		4.44	0.3	313		8.450		
30.0		4.04	0.3	314		8.300		
50.0		3.94						
75.0		3.88	0.2	317		8.130		
100.0		3.80	0.2	315		8.290		
150.0		3.74	0.2	315		8.130		
170.0		3.69	0.4	318	0.0	8.150	94.5	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	13.00	0.005		0.005	0.002			26.6
10.0	12.90	0.003		0.065	0.003			26.5
20.0	12.70	0.005		0.155	0.002			26.4
30.0	12.80	0.005		0.200	0.002			26.0
50.0								
75.0	12.70	0.009		0.215	0.002			26.2
100.0	12.50	0.010	0.023	0.215	0.002			26.3
150.0	12.70	0.010	0.021	0.215	0.002			26.3
170.0	12.60	0.011	0.037	0.215	0.003	0.290	0.270	26.3

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.170	131.3	0.002	27.93	000E00		C00E00	370E01
10.0	0.270				000E00			
20.0	0.330							
30.0	0.420							
50.0					000E00			
75.0	0.460							
100.0	0.510							
150.0	0.620							
170.0	0.690	138.8			000E00		000E00	900E00

DEPTH	SPC 35
1.0	120E01
10.0	
20.0	
30.0	
50.0	
75.0	
100.0	
150.0	
170.0	140E01

C-REF-NO 003
CONS. NO 031
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 27
TIME 0213

NO. DEPTHS 09
SOUNDING 1610
BT SLIDE NO 031

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		13.13	0.5	314	0.0	8.800	88.0	
10.0		7.29	0.4	324		8.350		
20.0		5.20	0.3	321		8.220		
30.0		4.11	0.3	317		8.220		
50.0		3.93	0.2	307	0.0	8.310	87.8	
75.0		3.90	0.2	318		8.200		
100.0		3.82	0.2	322		8.190		
150.0		3.73	0.4	324		8.140		
157.0		3.70	0.4	322	0.2	8.160	94.0	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	13.00	0.007	0.040	0.010	0.002	0.420	0.380	28.1
10.0	13.30	0.003	0.027	0.100	0.003			28.0
20.0	13.10	0.002	0.031	0.180	0.002			28.1
30.0	12.70	0.007	0.044	0.210	0.002			28.0
50.0	12.70	0.008		0.210	0.002	0.330	0.300	28.3
75.0	12.80	0.009		0.210	0.002			28.2
100.0	12.80	0.008	0.039	0.205	0.003			28.0
150.0	12.90	0.009	0.039	0.210	0.003			28.1
157.0	12.60	0.011	0.040	0.215	0.003			28.4

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.330	130.8	0.003	32.78	200E00		000E00	110E01
10.0	0.440				200E00			
20.0	0.260							
30.0	0.400							
50.0	0.430	130.8			000E00			
75.0	0.370							
100.0	0.290							
150.0	0.650							
157.0	1.000	135.2			000E00		000E00	100E01

DEPTH	SPC 35
1.0	500E00
10.0	
20.0	
30.0	
50.0	
75.0	
100.0	
150.0	
157.0	800E00

C-REF-NO 003
CONS. NO 032
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 27
TIME 0310

NO. DEPTHS 07
SOUNDING 1120
BT SLIDE NO 032

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		14.58	0.5	307	0.0	8.780	91.2	
10.0		13.74	0.5	322		8.530		
20.0		4.76	0.3	313		8.400		
30.0		4.01	0.5	315		8.300		
50.0		3.89	0.3	314	0.0	8.210	93.7	
75.0		3.82	0.5	308		8.380		
100.0		3.71	0.3	317	4.0	8.150	89.2	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	12.40	0.002	0.035	0.010	0.001	0.300	0.265	27.7
10.0	12.70	0.003	0.022	0.030	0.002			27.9
20.0	13.40	0.002	0.030	0.180	0.002			27.9
30.0	13.40	0.007	0.033	0.195	0.002			27.8
50.0	13.30	0.008	0.028	0.205	0.002	0.260	0.232	27.8
75.0	13.30	0.008	0.045	0.205	0.003			27.9
100.0	13.30	0.010	0.039	0.205	0.003	0.260	0.221	28.0

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.110	130.4	0.004	18.79	100E00		000E00	440E01
10.0	0.080				000E00			
20.0	0.120							
30.0	0.190							
50.0	0.290	135.9			000E00			
75.0	0.280							
100.0	0.610	129.7			000E00		000E00	370E01

DEPTH	SPC 35
1.0	180E01
10.0	
20.0	
30.0	
50.0	
75.0	
100.0	190E01

C-REF-NO 003
CONS. NO 033
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 27
TIME 0417

NO. DEPTHS 06
SOUNDING 0580
BT SLIDE NO 033

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		14.65	0.5	308	0.5	8.580	91.9	
10.0		12.29	1.2	324		8.590		
20.0		4.67	0.4	327		8.260		
30.0		4.08	0.3	321		8.200		
50.0		4.00	0.3	323	4.0	8.180	91.9	
55.0		3.98	0.3	325	0.1	8.170	91.6	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	11.60	0.004	0.032	0.010	0.002	0.370	0.338	27.6
10.0	12.30	0.002	0.039	0.030	0.002			27.7
20.0	13.00	0.001	0.045	0.155	0.002			27.5
30.0	12.90	0.003	0.046	0.185	0.002			27.5
50.0	12.70	0.006	0.052	0.190	0.002	0.340	0.307	27.4
55.0	12.80	0.007	0.053	0.190	0.002			27.5

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.100	133.1		13.18	100E00		000E00	220E01
10.0	0.120				000E00			
20.0	0.070							
30.0	0.240							
50.0	0.310	137.6			000E00			
55.0	0.330	131.7			000E00		000E00	260E01

DEPTH	SPC 35
1.0	240E01
10.0	
20.0	
30.0	
50.0	
55.0	110E01

C-REF-NO 003
CONS. NO 034
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 27
TIME 0505

NO. DEPTHS 03
SOUNDING 0240
BT SLIDE NO 034

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		9.70	0.4	323	2.6	8.290	93.0	
10.0		8.93	0.4	319		8.340		
21.0		5.05	0.3	320	0.0	8.210	87.2	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	11.30	0.004		0.095	0.003	0.390	0.365	27.4
10.0	11.50	0.003	0.031	0.095	0.003			27.5
21.0	11.70	0.003	0.047	0.165	0.003	0.310	0.263	27.8

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.130	134.4		11.42				
10.0	0.140							
21.0	0.230	133.4						

DEPTH	SPC 35
1.0	
10.0	
21.0	

C-REF-NO 003
CONS. NO 035
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 27
TIME 0647

NO. DEPTHS 04
SOUNDING 0300
BT SLIDE NO 035

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		11.90	0.4	311	5.7	8.450	94.0	
10.0		8.33	0.4	306		8.560		
19.0		5.10	0.4	315		8.320		
28.0		5.04	0.5	318	0.0	8.240	94.9	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	10.90	0.003	0.037	0.060	0.003	0.290	0.253	24.7
10.0	12.30	0.003	0.030	0.055	0.002			24.5
19.0	11.70	0.002	0.075	0.145	0.002			24.2
28.0	11.70	0.002	0.070	0.055	0.002	0.290	0.220	24.1

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.170	136.8	0.005	13.18	000E00	000E00	000E00	320E01
10.0	0.290				000E00			
19.0	0.210							
28.0	0.210	135.6			100E00	000E00	000E00	400E01

DEPTH	SPC 35
1.0	800E00
10.0	
19.0	
28.0	300E00

C-REF-NO C03
CONS. NO 036
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 27
TIME 0750

NO. DEPTHS 04
SOUNDING 0290
BT SLIDE NO 036

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		12.89	0.6	314	1.2	8.580	74.5	
10.0		6.03	1.1	332		8.080		
20.0		5.24	0.7	320		8.200		
27.0		4.54	0.5	319	0.0	8.230	94.8	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	10.90	0.004	0.025	0.045	0.003	0.310	0.285	24.5
10.0	11.30	0.003	0.068	0.135	0.003			24.2
20.0	11.50	0.002	0.052	0.150	0.003			24.1
27.0	12.00	0.003	0.057	0.160	0.002			24.1

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.350	135.5	0.005	20.26	100E00	000E00	000E00	530E01
10.0	0.210				100E00			
20.0	0.300							
27.0	0.200	135.8			000E00	000E00	000E00	380E01

DEPTH	SPC 35
1.0	500E00
10.0	
20.0	
27.0	200F00

C-REF-NO 003
CONS. NO 037
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 27
TIME 0851

NO. DEPTHS 05
SOUNDING 0530
BT SLIDE NO 037

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		15.36	0.4	312	0.0	8.820	92.7	
10.0		15.30	0.4	313		8.880		
20.0		5.50	0.2	314		8.380		
30.0		4.29	0.3	319		8.250		
51.0		4.23	0.6	319	0.5	8.250	88.3	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	11.20	0.004	0.036		0.001	0.320	0.284	26.0
10.0		0.005	0.020		0.001			25.9
20.0	12.40	0.003	0.042	0.135	0.002			25.3
30.0	12.40	0.003	0.045	0.170	0.002	0.350	0.305	25.1
51.0	12.40	0.004	0.045	0.170	0.002	0.200	0.165	25.4

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.150	136.6	0.005	20.56	000E00		000E00	180E01
10.0	0.080				300E00			
20.0	0.070							
30.0	0.200							
51.0	0.220	134.5			000E00		000E00	160E01

DEPTH	SPC 35
1.0	300E00
10.0	
20.0	
30.0	
51.0	800E00

C-REF-NO 003
CONS. NO 038
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 27
TIME 0944

NO. DEPTHS 06
SOUNDING 0780
BT SLIDE NO 038

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.5	14.97	0.3	315	1.0	8.830	92.5	
10.0		14.03	0.4	315		8.770		
20.0		4.83	0.3	319		8.270		
30.0		4.31	0.3	317		8.260		
50.0		4.01	0.2	324	0.0	8.230		
76.0		3.89					92.3	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	11.50	0.005	0.051		0.001	0.350	0.299	25.9
10.0	11.90	0.004	0.020	0.020	0.002			25.8
20.0	12.50	0.002	0.022	0.170	0.002			25.6
30.0	12.80	0.002	0.035	0.175	0.002			25.5
50.0	12.80	0.003	0.028	0.190	0.003			25.7
76.0	12.80		0.047	0.205	0.003			25.2

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.050	133.6	0.004	21.74	450E02		170E01	900E02
10.0	0.030				000E00			
20.0	0.070							
30.0	0.100							
50.0	0.210				000E00			
76.0	0.770	134.8			100E00		000E00	470E01

DEPTH	SPC 35
1.0	770E02
10.0	
20.0	
30.0	
50.0	
76.0	700E00

C-REF-NO 003
CONS. NO 039
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 27
TIME 1043

NO. DEPTHS 08
SOUNDING 1160
BT SLIDE NO 039

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.5	14.96	0.4	313	0.0	8.850	83.6	
10.0		12.98	0.5			8.800		
20.0		4.94	0.2	306		8.270		
30.0		4.28	0.2	320		8.220		
50.0		3.99	0.2	319	0.0	8.200	92.8	
75.0		3.93	1.2	320		8.200		
100.0		3.80	0.3	321		8.150		
114.0		3.80	0.6	327	1.8	8.150	93.8	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	11.40	0.004	0.025			0.220	0.195	26.4
10.0	11.90	0.004	0.065	0.020	0.002			26.5
20.0	12.50	0.003	0.058	0.170	0.002			26.4
30.0	12.30	0.002	0.036	0.185	0.002			26.2
50.0	12.70	0.005	0.029	0.200	0.002			26.3
75.0	12.80	0.007	0.029	0.195	0.003			26.5
100.0	12.50	0.005	0.030	0.205	0.003			26.5
114.0	12.54	0.007	0.070	0.205	0.003	0.340	0.270	26.4

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.050	132.2	0.002	19.67	100E00		000E00	200F01
10.0	0.070				000E00			
20.0	0.140							
30.0	0.200							
50.0	0.310	139.5			000E00			
75.0	0.290							
100.0	0.460							
114.0	0.570	135.5			000E00		000E00	170E01

DEPTH	SPC 35
1.0	400E00
10.0	
20.0	
30.0	
50.0	
75.0	
100.0	
114.0	300E00

C-REF-NO 003	LAT 43-35-00N	YEAR 1967	NO. DEPTHS 05
CONS. NO 040	LON 077-44-00W	MONTH 06	SOUNDING 1500
COUNTRY 18		DAY 27	BT SLIDE NO
INSTITUTE 22		TIME 1215	

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		13.81						
10.0		12.00						
50.0		3.96						
100.0		3.89						
148.0		3.71						

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0								
10.0								
50.0								
100.0								
148.0								

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0								
10.0								
50.0								
100.0								
148.0								

DEPTH	SPC 35
1.0	
10.0	
50.0	
100.0	
148.0	

C-REF-NO 003
CONS. NO 041
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 27
TIME 1420

NO. DEPTHS 09
SOUNDING 1650
BT SLIDE NO 040

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	5.0	13.30	0.5	310	2.2	8.870	93.3	
10.0		9.63	0.4	311		8.700		
20.0		5.37	0.4	315		8.320		
30.0		4.58	0.3	316		8.240		
50.0		4.07	0.2	316	0.3	8.200	91.4	
75.0		3.88	0.3	317		8.180		
100.0		3.79	0.2	319		8.170		
150.0		3.74	0.2	321		8.170		
161.0		3.72	0.2	323	0.0	8.150	90.0	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	12.50	0.005	0.022	0.015	0.002	0.270	0.253	27.9
10.0	12.70	0.004	0.022	0.080	0.003			27.4
20.0	12.70	0.002	0.019	0.175	0.002			27.3
30.0	12.80	0.002	0.021	0.200	0.002			27.2
50.0	12.80	0.003	0.025	0.205	0.003	0.220	0.195	27.2
75.0	12.80	0.004	0.025	0.210	0.002			27.1
100.0	12.80	0.004	0.027	0.210	0.002			27.0
150.0	12.70	0.004	0.035	0.210	0.003			27.2
161.0		0.006	0.038	0.210	0.003	0.240	0.202	27.3

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.580	135.0	0.006	20.26	000E00		000E00	900E00
10.0	0.260				000E00			
20.0	0.400							
30.0	0.470							
50.0	0.570	135.7			000E00			
75.0	0.490							
100.0	0.470							
150.0	0.780							
161.0	1.000	137.9			000E00		000E00	600E00

DEPTH	SPC 35
1.0	200E00
10.0	
20.0	
30.0	
50.0	
75.0	
100.0	
150.0	
161.0	200E00

C-REF-NO 003
CONS. NO 042
COUNTRY 18
INSTITUTE 22

LAT 43-27-06N
LON 077-30-00W

YEAR 1967
MONTH 06
DAY 27
TIME 1523

NO. DEPTHS 09
SOUNDING 1630
BT SLIDE NO 041

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.6	11.35	0.5	302	1.6	8.730	93.9	
10.0		9.73	0.5	316		8.630		
20.0		8.76	0.5	319		8.430		
30.0		5.99	0.3	321		8.210		
50.0		4.04	0.2	321	0.0	8.110	92.9	
75.0		3.88	0.3	321		8.070		
99.0		3.79	0.3	320		8.080		
149.0		3.66	0.3	318		8.080		
158.0		3.62	0.5	319	0.0	8.010	93.0	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	12.90	0.007	0.022	0.035	0.003	0.260	0.238	27.4
10.0	12.70	0.004	0.015	0.165	0.003			27.4
20.0	12.90	0.003	0.015	0.090	0.003			27.5
30.0	12.90	0.002	0.019	0.165	0.002			27.6
50.0	12.70	0.002	0.020	0.205	0.002	0.220	0.200	27.4
75.0	12.90	0.002	0.022	0.210	0.002			27.4
99.0	12.90	0.004	0.025	0.210	0.002			27.5
149.0	12.70	0.004	0.027	0.210	0.002			27.4
158.0	12.70	0.006	0.030	0.210	0.003	0.320	0.290	27.5

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.140	134.7	0.002	14.07	200E00		000E00	280E01
10.0	0.130				000E00			
20.0	0.200							
30.0	0.300							
50.0	0.440	135.7			000E00			
75.0	0.430							
99.0	0.420							
149.0	0.450							
158.0	0.550	136.0			000E00		000E00	130E01

DEPTH	SPC 35
1.0	300E00
10.0	
20.0	
30.0	
50.0	
75.0	
99.0	
149.0	
158.0	700E00

C-REF-NO 003
CONS. NO 043
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 27
TIME 1621

NO. DEPTHS 08
SOUNDING 1190
BT SLIDE NO 042

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.0	13.48	0.7	310	0.0	8.770		
10.0		12.24	1.0	320		8.630		
20.0		10.32	1.0	318		8.630		
30.0		6.46	0.9	319		8.380		
50.0		4.16	0.6	315	3.0	8.070		
75.0		3.91	1.0	317		8.100		
100.0		3.90	1.0	314		8.180		
117.0		3.94	1.0	331	0.0	8.220		

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	12.50				0.001	0.320	0.300	27.6
10.0	11.90	0.005	0.027	0.025	0.002			27.7
20.0	12.10	0.005	0.025	0.060	0.003			27.5
30.0	12.20	0.004	0.028	0.150	0.003			27.6
50.0	12.10	0.006	0.036	0.205	0.003	0.200	0.164	27.5
75.0	12.10	0.010	0.040	0.205	0.003			27.3
100.0	12.80	0.011	0.036	0.205	0.004			27.7
117.0	12.00	0.011	0.043	0.205	0.004	0.230	0.187	27.6

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.270		0.004	17.61	300E00	000E00	000E00	440E01
10.0	0.180				000E00			
20.0	0.160							
30.0	0.310							
50.0	0.530				000E00			
75.0	0.540							
100.0	0.560							
117.0	0.600				400E00	000E00	000E00	560E01

DEPTH	SPC 35
1.0	150E01
10.0	
20.0	
30.0	
50.0	
75.0	
100.0	
117.0	190E01

C-RFF-NO 003
CONS. NO 044
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 27
TIME 1716

NO. DEPTHS 04
SOUNDING 0330
BT SLIDE NO 043

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	2.0	16.71	1.0	354	1.9	8.670	86.0	
10.0		15.11	1.0	316		8.680		
20.0		14.88	1.0	319		8.670		
30.0		14.50	1.0	319	8.1	8.650	92.5	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	11.50	0.005	0.036	0.015	0.002	0.425	0.389	27.8
10.0	11.30	0.005	0.035	0.030	0.003			27.9
20.0	11.30	0.005	0.039	0.035	0.003			27.9
30.0	11.30	0.006	0.028	0.040	0.003	0.625	0.597	27.8

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.350	132.2	0.004	14.66	100E01	000E00	000E00	260E01
10.0	0.150				260E01			
20.0	0.150							
30.0	0.150	133.6			140E01			270E01

DEPTH	SPC 35
1.0	160E01
10.0	
20.0	
30.0	770E02

C-REF-NO 003
CONS. NO 045
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 27
TIME 1948

NO. DEPTHS 03
SOUNDING 0220
BT SLIDE NO 044

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.0	13.66	0.5	315	1.2	8.790	92.3	
10.0		12.92	0.9	317		8.740		
20.0		12.27	0.9	313	0.2	8.680	89.2	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	12.00	0.006	0.031	0.025	0.003	0.475	0.444	26.7
10.0	11.90	0.006	0.026	0.035	0.003			26.9
20.0	12.30	0.006	0.028	0.030	0.004	0.400	0.372	26.7

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.650	135.5	0.006	16.13	000E00	000E00	000E00	140E02
10.0	0.580				320E01			
20.0	0.550	141.0			730E01	440E01	000E00	620E01

DEPTH	SPC 35
1.0	440E02
10.0	
20.0	770E02

C-REF-NO 003
CONS. NO 046
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 27
TIME 2048

NO. DEPTHS 07
SOUNDING 0830
BT SLIDE NO 045

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.0	10.48	0.6	319	1.8	8.630	85.9	
10.0		9.29	0.5	319		8.660		
20.0		7.95	0.4	321		8.450		
30.0		6.81	0.8	316		8.310		
50.0		3.99	0.7	322	0.0	8.250	92.7	
75.0		3.94	0.1	323		8.170		
81.0		3.93	1.0	324	0.0	8.210	86.5	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	12.50	0.005	0.025	0.050	0.003	0.410	0.385	26.5
10.0	12.50	0.004	0.023	0.070	0.003			26.5
20.0	12.20	0.003	0.027	0.110	0.003			26.4
30.0	12.30	0.003	0.048	0.145	0.003			26.7
50.0	12.30	0.008	0.039	0.210	0.003	0.350	0.311	26.5
75.0	12.20	0.010	0.039	0.210	0.003			26.5
81.0	12.10	0.011	0.035	0.210	0.003	0.350	0.310	26.5

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.400	134.2	0.004	14.07	000E00	000E00	000E00	180E01
10.0	0.350				000E00			
20.0	0.300							
30.0	0.310							
50.0	0.610	136.7			000E00			
75.0	0.540							
81.0	0.530	136.5			000E00	000E00	000E00	100E01

DEPTH	SPC 35
1.0	120E02
10.0	
20.0	
30.0	
50.0	
75.0	
81.0	220E01

C-REF-NO 003
CONS. NO 047
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 27
TIME 2154

NO. DEPTHS 18
SOUNDING 2121
BT SLIDE NO 046

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	2.5	12.16	0.6	317	3.3	8.880	84.9	
4.0		11.17	0.3	317	4.5	8.850	87.9	
7.0		9.35	0.6	321	2.6	8.740	87.2	
10.0		8.03	0.7	319	3.4	8.690	91.7	
13.0		6.65	0.6	318	0.0	8.520	91.4	
16.0		5.79	0.3	318	1.3	8.380	88.7	
19.0		5.20	0.5	316	5.6	8.370	88.3	
22.0		4.77	0.5	316	0.5	8.370	84.5	
25.0		4.45	0.6	321	5.7	8.340	90.0	
28.0		4.20	1.0	318	2.5	8.260		
31.0		4.16	0.3	322	2.7	8.090	90.0	
34.0		3.93	0.4	321	5.8	8.050	91.3	
37.0		3.97	0.6	320	0.7	8.130	87.3	
40.0		3.98	0.2	318	1.0	8.070	86.4	
50.0		3.92	0.2	323	1.6	8.070	87.2	
75.0		3.85	0.5	308	1.0	8.090	80.0	
100.0		3.83	0.3	321	1.4	8.070	81.7	
150.0		3.72	0.3	319	2.5	8.090	82.3	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	14.00	0.009	0.026		0.002	0.450	0.424	27.2
4.0	14.40	0.009	0.025	0.005	0.002	0.350	0.325	27.5
7.0	14.41	0.006	0.021	0.030	0.003	0.400	0.371	27.5
10.0	13.20	0.003	0.025	0.080	0.002	0.300	0.275	27.3
13.0	13.20	0.004	0.025	0.125	0.002	0.225	0.100	27.0
16.0	13.00	0.002	0.020	0.155	0.002	0.310	0.290	27.0
19.0	13.00	0.003	0.033	0.175	0.002	0.300	0.267	27.1
22.0	12.90	0.005	0.028	0.185	0.002	0.250	0.232	27.5
25.0	12.90	0.005	0.039	0.195	0.002	0.200	0.261	27.5
28.0	13.00	0.006	0.045	0.205	0.002	0.210	0.265	27.6
31.0	12.70	0.007	0.035	0.205	0.002	0.200	0.165	27.4
34.0	12.90	0.007	0.021	0.205	0.002	0.175	0.154	27.3
37.0	12.60	0.007	0.026	0.210	0.002	0.200	0.174	27.4
40.0	12.90	0.008	0.050	0.210	0.002			27.4
50.0	12.80	0.008	0.045	0.210	0.002	0.200	0.155	27.8
75.0	12.80	0.008	0.040	0.210	0.003	0.260	0.220	27.8
100.0	12.70	0.009	0.035	0.210	0.003	0.280	0.245	27.6
150.0	12.70	0.009	0.021	0.210	0.003	0.175	0.154	27.8

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.130	133.3	0.006	31.47	100E00		000E00	000E00
4.0	0.230	131.2						
7.0	0.240	130.4						
10.0	0.310	134.4			000E00			
13.0	0.280	132.7						
16.0	0.460	136.1						
19.0	0.410	133.5						
22.0	0.380	129.3						
25.0	0.460	132.5						
28.0	0.460							
31.0	0.440	132.2						
34.0	0.430	132.2						
37.0	0.410	133.8						
40.0	0.470	130.5						
50.0	0.460	133.5			000E00			
75.0	0.450	129.2						
100.0	0.480	135.5						
150.0	0.490	135.7						

DEPTH	SPC 35	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	310E01	196.0	94.2	29.1	40.000	7.800	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								
75.0								
100.0								
150.0								

DEPTH	CDNF	CR NF	CO NF	CU NF	FE NF	PB NF	LI NF	MN NF
1.0	0.000	0.000	0.000	0.086	0.085	0.017	0.004	0.065
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								

DEPTH	NI NF	SR NFA	ZN NF
1.0	0.001	0.180	0.016
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			

C-REF-NO 003
CONS. NO 048
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 28
TIME 0045

NO. DEPTHS 09
SOUNDING 2010
BT SLIDE NO 047

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	4.0	16.42	0.4	320		8.730	87.0	
10.0		12.54	0.8	314		8.690		
20.0		5.81	0.3	331		8.250		
30.0		4.64	0.3	336		8.340		
50.0		3.90	0.2	312		8.150	89.2	
75.0		3.95	0.3	312		8.060		
100.0		3.85	0.3	315		8.060		
150.0		3.77	0.2	318		8.420		
196.0		3.65						

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	12.00	0.005	0.026		0.001	0.475	0.449	28.8
10.0	12.40	0.004	0.028	0.005	0.002			28.6
20.0	12.50	0.002	0.028	0.165	0.002			28.5
30.0	12.10	0.004	0.028	0.200	0.002			28.2
50.0	12.30	0.007	0.027	0.205	0.002	0.190	0.113	28.1
75.0	12.30	0.008	0.030	0.205	0.002			28.1
100.0	12.10	0.008	0.034	0.205	0.003			27.7
150.0	12.00							
196.0	11.10	0.008	0.032	0.205	0.003			27.9

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.090	133.6	0.004	29.61	000E00		000E00	210E01
10.0	0.170				000E00			
20.0	0.290							
30.0	0.470							
50.0	0.550	135.8			000E00			
75.0	0.440							
100.0	0.580							
150.0								
196.0	0.600				000E00		000E00	270E02

DEPTH	SPC 35
1.0	700E00
10.0	
20.0	
30.0	
50.0	
100.0	
150.0	
196.0	

C-REF-NO 003
CONS. NO 049
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 28
TIME 0150

NO. DEPTHS 08
SOUNDING 1230
BT SLIDE NO 048

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		13.59	0.6	316	3.7	8.700	91.5	
10.0		11.90	0.6	327		8.610		
20.0		6.04	0.5	315		8.170		
30.0		4.62	0.3	319		8.140		
50.0		4.17	0.3	318	3.0	8.110	92.0	
75.0		4.24	0.4	319		8.140		
100.0		3.88	0.5	319		8.350		
117.0		3.79	0.7	319	5.4	8.060	95.0	

DEPTH	02 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	12.80	0.003	0.022	0.010	0.002			28.3
10.0	12.80	0.004	0.017	0.035	0.002			28.2
20.0	12.80	0.003	0.028	0.155	0.002			28.1
30.0	12.60	0.003	0.035	0.280	0.003			28.1
50.0	12.60	0.006	0.037	0.190	0.003	0.275	0.238	28.1
75.0	12.70	0.008	0.039	0.195	0.003			28.1
100.0	12.70	0.007	0.036	0.200	0.004			28.5
117.0	12.00	0.013	0.044	0.210	0.004	0.200	0.156	28.4

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.120	135.4	0.004	24.85	000E00		000E00	110E02
10.0	0.150				320E01			
20.0	0.190							
30.0	0.240							
50.0	0.240	136.2			300E00			
75.0	0.340							
100.0	0.530							
117.0	0.960	136.4			000E00			400E01

DEPTH	SPC 35
1.0	940E01
10.0	
20.0	
30.0	
50.0	
75.0	
100.0	
117.0	370E01

C-REF-NO 003
CONS. NO 050
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 28
TIME 0332

NO. DEPTHS 06
SOUNDING 0730
BT SLIDE NO 049

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		12.47	0.4	307	2.9	8.660	90.2	
10.0		7.53	0.4	317		8.420		
20.0		5.03	0.3	320		8.240		
30.0		4.82	0.3	320		8.200		
50.0		4.55	0.2	322		8.180		
69.0		4.08	1.3	321	3.0	8.120		

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	12.20	0.017	0.022	0.045	0.003			28.4
10.0	12.10	0.002	0.030	0.110	0.003			28.3
20.0	12.20	0.001	0.045	0.170	0.003			28.3
30.0	12.20	0.005	0.049	0.170	0.003			28.4
50.0	12.20	0.005	0.045	0.170	0.003	0.300	0.255	28.4
69.0	12.00	0.011	0.058	0.200	0.004	0.200	0.142	28.2

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.140	134.7	0.005	19.29	000E00		000E00	800E00
10.0	0.150				000E00			
20.0	0.170							
30.0	0.160							
50.0	0.220				300E00			
69.0	0.550	132.3			000E00		000E00	140E01

DEPTH	SPC 35
1.0	400E00
10.0	
20.0	
30.0	
50.0	
69.0	700E00

C-REF-NO 003
CONS. NO 051
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 28
TIME 0427

NO. DEPTHS 03
SOUNDING 0220
BT SLIDE NO 050

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		15.98	0.9	312		8.560		
10.0		7.37	0.7	315		8.370		
20.0		5.41	0.7	316		8.190		

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	11.00	0.020	0.020	0.015	0.002			27.6
10.0	12.00	0.004	0.045	0.135	0.003			28.1
20.0	12.00	0.003	0.040	0.160	0.003	0.225	0.185	27.9

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.150		0.003	14.53	100E00	000E00	000E00	530E01
10.0	0.240				000E00			
20.0	0.300				000E00	000E00	000E00	330E01

DEPTH	SPC 35
1.0	370E01
10.0	
20.0	600E00

C-REF-NO 003
CONS. NO 052
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 28
TIME 0621

NO. DEPTHS 05
SOUNDING 0400
BT SLIDE NO 051

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		14.00	0.5	311	2.8	8.710	82.8	
10.0		12.62	0.7	317		8.650		
20.0		5.05	0.9	320		8.190		
30.0		4.92	1.1	329		8.110		
39.0		4.91	7.2	330	14.0	8.080	92.7	

DEPTH	02 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	11.20	0.013	0.030	0.010	0.002			28.3
10.0	11.00	0.003	0.020	0.030	0.002			28.4
20.0	11.00	0.004	0.035	0.185	0.003			28.8
30.0	11.00	0.005	0.037	0.195	0.003			28.5
39.0	11.00	0.011	0.037	0.195	0.003	0.350	0.313	28.8

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.140	137.2	0.004	23.51	100E00	000E00	000E00	400E01
10.0	0.080				000E00			
20.0	0.350							
30.0	0.460							
39.0	0.470	138.2			000E00	000E00	000E00	910E01

DEPTH	SPC 35
1.0	700E00
10.0	
20.0	
30.0	
39.0	260E01

C-REF-NO 003
CONS. NO 053
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 28
TIME 0710

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		15.72	1.1	312	2.5	8.740	91.5	
10.0		14.08	0.6	316		8.710		
20.0		6.72	0.3	316		8.250		
30.0		5.91	0.2	319		8.210		
50.0		4.25	2.0	319	5.0	8.110	91.9	
60.0		4.40	2.7	327	1.9	8.060	92.5	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	11.00	0.006	0.015		0.001	0.390	0.375	28.9
10.0	10.80	0.002	0.016	0.010	0.001			28.9
20.0	11.00	0.002	0.046	0.015	0.003			29.7
30.0	11.50	0.002	0.051	0.130	0.002			29.3
50.0	11.50	0.015	0.037	0.205	0.004	0.250	0.213	28.8
60.0	11.50	0.016	0.039	0.205	0.005	0.250	0.211	28.8

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.080		0.004	22.03	000E00			300E01
10.0	0.070				000E00			
20.0	0.040							
30.0	0.110							
50.0	0.580	137.2			000E00			
60.0	0.640	137.2						

DEPTH	SPC 35
1.0	120E01
10.0	
20.0	
30.0	
50.0	
60.0	

C-REF-NO 003
CONS. NO 054
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 28
TIME 0823

NO. DEPTHS 08
SOUNDING 1120
BT SLIDE NO 053

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		16.23	0.6	320	4.9	8.740	91.7	
10.0		14.79	0.8	320		8.720		
20.0		5.23	0.4	311		8.320		
30.0		3.98	0.4	319		8.180		
50.0		3.91	0.3	322	2.7	8.170	86.4	
75.0		3.84	0.4	322		8.180		
100.0		3.80	0.2	323		8.170		
110.0		3.76	0.5	323	3.3	8.120	94.5	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	11.30	0.006	0.019			0.425	0.406	30.1
10.0	10.90	0.002	0.020	0.005	0.001			29.9
20.0	12.50	0.002	0.020	0.170	0.002			28.7
30.0	12.70	0.003	0.021	0.200	0.003			28.1
50.0	12.80	0.006	0.021	0.200	0.003	0.190	0.169	28.0
75.0	12.80	0.007	0.044	0.200	0.004			28.2
100.0	12.80	0.007	0.030	0.200	0.004			28.1
110.0	12.50	0.008	0.025	0.200	0.004	0.210	0.185	28.4

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.070	134.3	0.004	22.33	000E00		000E00	130E01
10.0	0.070				000E00			
20.0	0.240							
30.0	0.370							
50.0	0.390	137.4			000E00			
75.0	0.390							
100.0	0.390							
110.0	0.560	139.7			000E00		000E00	130E01

DEPTH	SPC 35
1.0	600E00
10.0	
20.0	
30.0	
50.0	
75.0	
100.0	
110.0	200E00

C-REF-NO 003
CONS. NO 055
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 28
TIME 0924

NO. DEPTHS 09
SOUNDING 1720
BT SLIDE NO 054

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		15.16	0.4	318	1.2	8.880		
10.0		13.37	0.7	317		8.870		
20.0		7.01	0.3	311		8.520		
30.0		4.95	0.4	320		8.320		
50.0		3.89	0.3	321	1.5	8.230	93.6	
75.0		3.84	0.2	318		8.190		
100.0		3.82	0.2	316		8.180		
150.0		3.73	0.2	319		8.180		
170.0		3.69	1.9	322	14.3	8.170	90.3	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	12.20	0.005	0.028		0.001	0.475	0.437	29.7
10.0	12.00	0.004	0.022	0.005	0.001			29.3
20.0	12.80	0.002	0.023	0.130	0.001			28.5
30.0	12.80	0.002	0.021	0.180	0.001			28.2
50.0	12.80	0.006	0.020	0.200	0.002	0.275	0.255	28.0
75.0	12.60	0.006	0.013	0.200	0.002			27.7
100.0	12.80	0.007	0.011	0.208	0.002			27.9
150.0	12.80	0.007	0.020	0.200	0.002			28.0
170.0	12.60	0.020	0.020	0.200	0.004	0.320	0.300	28.5

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.100		0.004	27.93	000E00		000E00	340E01
10.0	0.050				000E00			
20.0	0.240							
30.0	0.340							
50.0	0.400	137.5			000E00			
75.0	0.420							
100.0	0.460							
150.0	0.440							
170.0	0.630	133.3			000E00		000E00	180E01

DEPTH	SPC 35
1.0	290E01
10.0	
20.0	
30.0	
50.0	
75.0	
100.0	
150.0	
170.0	700E00

C-REF-NO 003
CONS. NO 056
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 28
TIME 1059

NO. DEPTHS 08
SOUNDING 1520
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.0	14.72	2.5	322	2.6	8.870		
10.0		11.40	1.0	322		8.790		
20.0		7.05	0.5	325		8.480		
30.0		4.96	0.3	321		8.310		
50.0		4.17	0.4	320	2.6	8.210	89.7	
75.0		3.92	0.2	322		8.160		
100.0		3.88	0.3	325		8.150		
150.0		3.75	0.7	324	1.9	8.110	90.2	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	12.40	0.009	0.041			0.375	0.334	27.9
10.0	12.40	0.005	0.030	0.010	0.002			28.4
20.0	12.80	0.003	0.014	0.120	0.003			27.4
30.0	12.80	0.003	0.011	0.175	0.002			26.8
50.0	12.80	0.004	0.011	0.190	0.002	0.200	0.189	26.7
75.0	12.80	0.006	0.010	0.195	0.002			26.6
100.0	12.80	0.006	0.020	0.195	0.002			26.6
150.0	12.40	0.009	0.020	0.200	0.002	0.220	0.200	26.4

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.080		0.005	28.22	140E01		000E00	240E01
10.0	0.080				100E00			
20.0	0.230							
30.0	0.240							
50.0	0.400	133.9						
75.0	0.430							
100.0	0.440							
150.0	0.730				000E00		000E00	540E01

DEPTH	SPC 35
1.0	550E01
10.0	
20.0	
30.0	
50.0	
75.0	
100.0	
150.0	300E00

C-REF-NO 003
CONS. NO 057
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 28
TIME 1202

NO. DEPTHS 05
SOUNDING 0350
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.5	10.29	0.6	317	3.0	8.560	87.0	
10.0		9.32	0.7	319		8.510		
20.0		9.10	0.7	320		8.500		
30.0		9.08	0.8	318		8.510		
35.0		9.07	8.2	321	12.4	8.460	94.5	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	12.80	0.006	0.015	0.065	0.003	0.300	0.285	26.6
10.0	13.00	0.005	0.022	0.080	0.003			27.0
20.0	13.00	0.005	0. 20	0.090	0.003			26.9
30.0	13.10	0.005	0.023	0.090	0.003			27.0
35.0	13.10	0.006	0.022	0.090	0.003	0.425	0.403	27.1

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.160	134.2	0.006	22.46	440E01	400E00	C00E00	100F03
10.0	0.160				370E01			
20.0	0.140							
30.0	0.170							
35.0	0.160	136.8			700E00	200E00	000E00	340E02

DEPTH	SPC 35
1.0	760E01
10.0	
20.0	
30.0	
35.0	310E01

C-REF-NO 003
CONS. NO 058
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 28
TIME 1338

NO. DEPTHS 04
SOUNDING 0370
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.2	12.98	0.2	388	6.2	8.630	87.2	
10.0		9.96	1.1	336		8.490		
20.0		8.90	0.9	326		8.450		
30.0		8.25	1.1		4.3	8.380	90.7	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	12.80	0.011	0.041	0.070	0.006			
10.0	12.60	0.005	0.020	0.105	0.004			31.5
20.0	12.60	0.004	0.018	0.115	0.003			28.8
30.0	12.40	0.004	0.027	0.130	0.003	0.275	0.248	29.8

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.100	137.3	0.006	31.47	710E01	500E01	000E00	100E03
10.0	0.140				120E02			
20.0	0.160							
30.0	0.240	132.8			210E02	250E01	000E00	230E02

DEPTH	SPC 35
1.0	390E02
10.0	
20.0	
30.0	360F01

C-REF-NO 003
CONS. NO 059
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 28
TIME 1455

NO. DEPTHS 04
SOUNDING 0280
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.1	13.38	1.5	327	6.7	8.850	90.0	
10.0		11.10	0.6	330		8.710		
20.0		9.46	0.5	339		8.480		
25.0		8.85	0.9	337	3.9	8.320	91.6	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	13.80	0.009	0.030		0.002	0.350	0.320	29.7
10.0	12.40	0.003	0.024	0.040	0.003			30.0
20.0	11.90	0.003	0.030	0.085	0.004			30.8
25.0	11.30	0.003	0.028	0.105	0.004	0.360	0.332	30.1

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.080	134.6	0.006	23.51	000E00	000E00	000E00	580E01
10.0	0.050				000E00			
20.0	0.120							
25.0	0.120	134.1			400E00	000E00	C00E00	170F02

DEPTH	SPC 35
1.0	460E01
10.0	
20.0	
25.0	150E01

C-REF-NO 003
CONS. NO 060
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 28
TIME 1613

NO. DEPTHS 04
SOUNDING 0280
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	2.0	16.19	1.0	329	4.9	8.770	90.0	
10.0		12.77	0.9	330		8.670		
20.0		9.92	0.8	331		8.540		
26.0		8.64	0.4	328	4.0	8.460	89.1	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	11.90	0.004	0.030		0.001	0.290	0.260	30.5
10.0	12.60	0.004	0.048	0.010	0.004			31.2
20.0	11.80		0.042	0.065	0.003			30.1
26.0	11.70	0.003	0.038	0.100	0.003	0.300	0.262	27.6

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.390	134.0	0.006	22.33	110E01	200E00	000E00	350E01
10.0	0.340				000E00			
20.0	0.150							
26.0	0.170	137.6			000E00	000E00	000E00	670E01

DEPTH	SPC 35
1.0	500E00
10.0	
20.0	
26.0	700E00

C-REF-NO 003
CONS. NO 061
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 28
TIME 1712

NO. DEPTHS 03
SOUNDING 0260
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	3.0	17.32	0.9	317	4.0	8.590	79.0	
10.0		16.24	0.8	317		8.570		
20.0		5.94	0.9	326	3.1	8.200	93.3	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	10.70	0.006	0.030		0.002	0.310	0.280	28.7
10.0	10.40	0.005	0.029	0.005	0.002			28.6
20.0	10.80	0.004	0.065	0.160	0.004	0.300	0.235	28.6

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.150	130.1	0.003	17.90	400E00	000E00	000E00	520E01
10.0	0.180				100E00			
20.0	0.490	136.2			000E00	000E00	000E00	980E01

DEPTH	SPC 35
1.0	110E02
10.0	
20.0	800E00

C-REF-NO 003
CONS. NO 062
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 28
TIME 1854

NO. DEPTHS 04
SOUNDING 0260
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	2.5	17.99	0.1	309	3.7	8.780	82.7	
10.0		11.36	0.7	316		8.510		
20.0		6.94	0.8	320		8.300		
24.0		6.70	1.5	323	9.3	8.140	91.6	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	11.20	0.005			0.001	0.410	0.400	27.4
10.0	10.60	0.003		0.050	0.003			28.8
20.0	10.70	0.005		0.060	0.003			28.4
24.0	10.50	0.003		0.125	0.003	0.320	0.300	29.1

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.370	138.5	0.005	12.60	000E00	000E00	000E00	840E01
10.0	0.420				000E00			
20.0	0.260							
24.0	0.660	136.8			100E00	000E00	000E00	100E03

DEPTH	SPC 35
1.0	140E01
10.0	
20.0	
24.0	900E00

C-REF-NO 003
CONS. NO 063
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 28
TIME 1955

NO. DEPTHS 04
SOUNDING 0360
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0	4.0	17.48	2.0	311	1.8	8.340	87.5	
10.0		12.56	0.5	315		8.360		
20.0		6.52	0.4	321		8.230		
31.0		5.52	0.7	320		8.300	92.0	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	11.20	0.003	0.024		0.001			27.5
10.0	10.80	0.004	0.029	0.045	0.002			28.2
20.0	10.70	0.002	0.040	0.110	0.003			28.6
31.0	10.80	0.003	0.049	0.135	0.003			28.9

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.170	133.3	0.003	11.71	000E00	000E00	000E00	230E01
10.0	0.210				000E00			
20.0	0.370							
31.0	0.540	134.7			100E00	000E00	000E00	

DEPTH	SPC 35
1.0	400E00
10.0	
20.0	
31.0	300E00

C-REF-NO 003
CONS. NO 064
COUNTRY 18
INSTITUTE 22

LAT 43-17-06N
LON 077-26-18W

YEAR 1967
MONTH 06
DAY 29
TIME 0106

NO. DEPTHS 03
SOUNDING 0210
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		16.23	0.9	319		8.750	89.0	
10.0		15.86	1.1	321		8.700		
19.0		15.34	0.9	323		8.640	90.5	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	11.60	0.007	0.030	0.010	0.003	0.360	0.330	27.1
10.0	11.40	0.004	0.039	0.028	0.004			27.1
19.0	11.10	0.004	0.040	0.026	0.004	0.310	0.270	27.1

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.100	131.8	0.005		920E01		C00E00	140E02
10.0	0.160				680E01			
19.0	0.270	137.2			460E01		C00E00	120E02

DEPTH	SPC 35
1.0	170E02
10.0	
19.0	140E02

C-REF-NO 003
CONS. NO 065
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 29
TIME 0141

NO. DEPTHS 03
SOUNDING 0180
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		16.24	1.7	322		8.810	80.7	2.4
10.0		15.56	0.9	319		8.680		
15.0		15.36	1.0	304		8.760	85.0	

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	11.00	0.005	0.029	0.008	0.003	0.360	0.331	27.2
10.0	11.00	0.004	0.034	0.016	0.004			27.2
15.0	11.00	0.004	0.029	0.018	0.004	0.325	0.294	27.1

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.110	133.5	0.004					
10.0	0.400				260E01			
15.0	0.130	136.4			520E01		000E00	840E01

DEPTH	SPC 35
1.0	
10.0	
15.0	140E02

C-REF-NO 003
CONS. NO 066
COUNTRY 18
INSTITUTE 22

LAT 43-16-36N
LON 077-32-48W

YEAR 1967
MONTH 06
DAY 29
TIME 0217

NO. DEPTHS 04
SOUNDING 0250
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		16.79	0.9	314		8.770	94.2	3.0
10.0		16.74	0.8	316		8.810		
20.0		14.98	0.8	319		8.660		
23.0		11.03	1.1	311		8.360		

DEPTH	02 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	11.40	0.005			0.002	0.420	0.400	27.2
10.0	11.30	0.006			0.002			27.1
20.0	10.80	0.005		0.018	0.004			27.3
23.0	10.50	0.005	0.033	0.078	0.005	0.325	0.292	26.9

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.130	137.7	0.003		360E01		000E00	130E02
10.0	0.220				680E01			
20.0	0.160							
23.0	0.320				000E00		C00E00	800E01

DEPTH	SPC 35
1.0	800E01
10.0	
20.0	
23.0	920E01

C-REF-NO 003
CONS. NO 067
COUNTRY 18
INSTITUTE 22

LAT 43-18-00N
LON 077-29-06W

YEAR 1967
MONTH 06
DAY 29
TIME 0302

NO. DEPTHS 05
SOUNDING 0450
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		16.86	0.8	314		8.750		?.5
10.0		15.58	0.7	316		8.580		
20.0		13.14	0.5	314		8.660		
30.0		6.68	0.8	319		8.340		
42.0		5.43	0.6	308		8.340		

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	11.00	0.005	0.043		0.002	0.470	0.427	27.4
10.0	10.80	0.004	0.021	0.005	0.003			27.2
20.0	11.20	0.003	0.027	0.023	0.003			26.9
30.0	11.70	0.003	0.025	0.158	0.005			26.7
42.0	11.80	0.004	0.025	0.172	0.006	0.280	0.255	26.6

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.070		0.005		800E00		000E00	250E02
10.0	0.120				800E00			
20.0	0.070							
30.0	0.340							
42.0	0.420				400E00		000E00	820E01

DEPTH	SPC 35
1.0	360E01
10.0	
20.0	
30.0	
42.0	290E01

C-REF-NO 003
CONS. NO 068
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 06
DAY 29
TIME 0343

NO. DEPTHS 05
SOUNDING 0500
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		17.27	0.9	310		8.790	80.0	2.9
10.0		14.08	0.5	316		8.880		
20.0		11.53	0.7	321		8.560		
30.0		5.00	0.8	318		8.220		
47.0		4.85	0.9	318		8.150		

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	11.60	0.010	0.033		0.002	0.470	0.437	27.6
10.0	11.80	0.004	0.022		0.001			26.9
20.0	11.80	0.003	0.029	0.054	0.004			26.7
30.0	11.80	0.005	0.027	0.178	0.006			26.5
47.0	12.00	0.004	0.026	0.176	0.006	0.550	0.524	26.5

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.120				500E00		000E00	150F02
10.0	0.140				100E00			
20.0	0.130							
30.0	0.450							
47.0	0.430				400E00		000E00	930F01

DEPTH	SPC 35
1.0	680F01
10.0	
20.0	
30.0	
47.0	660E01

C-REF-NO 003
CONS. NO 069
COUNTRY 18
INSTITUTE 22

LAT 43-20-24N
LON 077-36-12W

YEAR 1967
MONTH 06
DAY 29
TIME 0433

NO. DEPTHS 04
SOUNDING 0250
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		17.21	1.1	313		8.740	81.4	3.3
10.0		15.71	0.9	316		8.760		
20.0		10.08	0.7	317		8.490		
23.0		8.73	2.7	317		8.350		

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	11.60	0.009	0.027		0.002			28.4
10.0	12.10	0.005	0.032	0.004	0.002			28.4
20.0	12.40	0.003	0.030	0.085	0.004			27.7
23.0	11.70	0.006	0.029	0.114	0.005			27.8

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.100	135.8	0.004		150E02		400E00	590E02
10.0	0.110				100E02			
20.0	0.220							
23.0	0.280				250E01		000E00	120E02

DEPTH	SPC 35
1.0	700E02
10.0	
20.0	
23.0	710E01

C-REF-NO 003
CONS. NO 070
COUNTRY 18
INSTITUTE 22

LAT 43-20-06N
LON 077-39-30W

YEAR 1967
MONTH 06
DAY 29
TIME 0520

NO. DEPTHS 03
SOUNDING 0240
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		17.22	1.4	317		8.820		3.1
10.0		15.64	1.1	316		8.730		
20.0		10.80	1.3	321		8.440		

DEPTH	02 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	11.40	0.008	0.023			0.420	0.397	28.6
10.0	11.90	0.004	0.024	0.006		0.350	0.326	28.2
20.0	11.90	0.003	0.038	0.070		0.400	0.362	28.0

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.100	133.3	0.003		170E01		000E00	520E02
10.0	0.080				800E00			
20.0	0.160				130E01		000E00	220E02

DEPTH	SPC 35
1.0	460E02
10.0	
20.0	100E02

C-REF-NO 003
CONS. NO 071
COUNTRY 18
INSTITUTE 22

LAT 43-21-30N
LON 077-36-00W

YEAR 1967
MONTH 06
DAY 29
TIME 0605

NO. DEPTHS 06
SOUNDING 0710
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		17.44	1.0	311		8.800	85.8	2.5
10.0		13.78	0.6	310		8.820		
20.0		8.28	0.4	318		8.500		
30.0		4.26	0.5	317		8.270		
50.0		3.98	0.3	318		8.180		
65.0		3.85	0.5	319		8.150		

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	11.60	0.007	0.027		0.002			27.6
10.0	12.20	0.006	0.025		0.001			27.4
20.0	12.20	0.003	0.029	0.084	0.003			27.2
30.0	12.80	0.002	0.021	0.172	0.004			27.0
50.0	12.80	0.002	0.022	0.174	0.005	0.290	0.268	26.8
65.0	12.80	0.005	0.030	0.176	0.004	0.230	0.200	26.9

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.120	136.2	0.002		900E00		000E00	220E02
10.0	0.120				000E00			
20.0	0.220							
30.0	0.380							
50.0	0.470				100E00			
65.0	0.520				000E00		000E00	570E01

DEPTH	SPC 35
1.0	130E02
10.0	
20.0	
30.0	
50.0	
65.0	130E01

C-REF-NO 003
CONS. NO 072
COUNTRY 18
INSTITUTE 22

LAT 43-19-18N
LON 077-36-00W

YEAR 1967
MONTH 06
DAY 29
TIME 0715

NO. DEPTHS 06
SOUNDING 0660
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		16.97	1.0	312		8.800	89.4	3.0
10.0		15.24	1.0	311		8.930		
20.0		11.97	0.5	316		8.640		
30.0		5.74	0.5	327		8.310		
50.0		4.03	0.9	317		8.190		
63.0		4.00	1.0	319		8.150		

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	12.30	0.007	0.027		0.001	0.330	0.303	27.8
10.0	12.90	0.005	0.020		0.001			27.4
20.0	12.50	0.004	0.027	0.040	0.003			27.4
30.0	13.10	0.003	0.025	0.140	0.005			27.2
50.0	13.10	0.005	0.025	0.176	0.006	0.250	0.225	26.9
63.0	13.30	0.007	0.022	0.174	0.006	0.425	0.403	27.1

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.100	128.8	0.002		120E01		000E00	150E02
10.0	0.090				620E01			
20.0	0.100							
30.0	0.290							
50.0	0.500				000E00			
63.0	0.520				100E00		000E00	140E02

DEPTH	SPC 35
1.0	910E01
10.0	
20.0	
30.0	
50.0	
63.0	150E01

C-REF-NO 003
CONS. NO 073
COUNTRY 18
INSTITUTE 22

LAT 43-21-00N
LON 077-28-48W

YEAR 1967
MONTH 06
DAY 29
TIME 0813

NO. DEPTHS 06
SOUNDING 1130
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	BOD W
1.0		14.87	0.6	313		8.780	81.8	2.6
10.0		13.10	0.6	298		8.620		
20.0		10.64	0.4	318		8.490		
30.0		5.10	0.4	309		8.190		
50.0		4.12	0.4	310		8.240		
111.0		3.87	1.1	315		8.230		

DEPTH	O2 W	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	ORG N	CL
1.0	11.90	0.007	0.020		0.002	0.420	0.400	27.2
10.0	11.70	0.003	0.020	0.018	0.002			27.1
20.0	12.20	0.003	0.024	0.048	0.003			27.0
30.0	12.80	0.002	0.022	0.152	0.005			26.9
50.0	12.80	0.003	0.019	0.124	0.004	0.490	0.471	27.0
111.0	12.90	0.007	0.022	0.174	0.005	0.290	0.268	

DEPTH	R SIO2	HARD	PHEN	CHLORA	MF COL	MF FCO	MF STR	SPC 20
1.0	0.100	136.4	0.002		100E00		000E00	150E02
10.0	0.100				000E00			
20.0	0.130							
30.0	0.330							
50.0	0.310				100E00			
111.0	0.560				100E00		000E00	940F01

DEPTH	SPC 35
1.0	340E01
10.0	
20.0	
30.0	
50.0	
111.0	190E01

CRUISE 67 - 005, July 10 - 13

C-REF-NO 005
CONS. NO 001
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 10
TIME 1407

NO. DEPTHS 06
SOUNDING 0570
BT SLIDE NO 001

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	02 W
1.0	2.0	19.88	2.5	309	6.7	8.430		10.20
10.0		14.36	0.5	315		8.150		10.70
20.0		6.28	0.3	326		8.060		11.60
30.0		4.88	0.6	326		8.150		11.80
50.0		4.20	0.9	300	5.9	7.830		12.00
55.0			0.8	282	6.3	8.290		11.50

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.014	0.120	0.005	0.002			0.460	124.0
10.0	0.010	0.036	0.010	0.002			0.170	126.0
20.0	0.018	0.140	0.140	0.003			0.110	
30.0	0.028	0.150	0.180	0.005			0.280	
50.0	0.017	0.070	0.135	0.005			0.390	132.5
55.0	0. 11	0.070	0.008	0.003			0.130	131.1

DEPTH	PHEN	CHLORA
1.0	0.006	1.55
10.0		
20.0		
30.0		
50.0		
55.0		

C-REF-NO 005
CONS. NO 002
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 10
TIME 1543

NO. DEPTHS 03
SOUNDING 0198
BT SLIDE NO 002

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	02 W
1.0	1.5	20.82	2.2	311	6.0	8.480		9.20
10.0		11.96	1.2	321		8.040		9.80
18.0		6.34		331	5.1	7.920		

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0		0.051	0.002	0.004		26.0	0.490	125.6
10.0	0.013	0.038	0.011				0.240	
18.0	0.014	0.058	0.045				0.630	127.0

DEPTH	PHEN	CHLORA
1.0		3.66
10.0		
18.0		

C-REF-NO 005
CONS. NO 003
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 10
TIME 1650

NO. DEPTHS 18
SOUNDING 0830
BT SLIDE NO 003

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	3.0	19.26	0.4	310	5.3	8.480		10.00
4.0		18.10	1.1	305	4.8	8.530		10.30
7.0		12.46	0.5	316	5.4	8.300		11.60
10.0		10.24	0.3	308	4.5	8.210		11.30
13.0		7.02	1.0	330	3.9	8.030		11.40
16.0		5.90	1.0	330	2.8	8.070		11.40
19.0		5.12	0.1	329	4.6	7.900		11.90
22.0		4.60	0.2	333	3.1	7.960		11.90
25.0		4.44	0.3	321	3.5	7.940		11.90
28.0		4.24	0.1	331	4.0	7.990		11.80
31.0		4.14	0.1	327	4.0	7.920		
34.0		4.09	0.1	334	3.9	7.880		12.30
37.0		4.16	0.1	327	2.2	7.890		12.30
40.0		4.18	0.2	325	1.6	7.760		12.20
50.0		4.10	0.1	327	2.1	7.946		12.20
75.0		3.90	0.5	327	3.2	7.950		12.40
79.0		3.89	0.5	316	5.4	8.130		12.90
82.0			4.3	324	11.9	7.750		8.60

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.013	0.036					0.200	124.1
4.0	0.012	0.038		0.001			0.140	125.0
7.0	0.017	0.056	0.001	0.002			0.140	129.6
10.0	0.013	0.007	0.010	0.002			0.170	134.5
13.0	0.014	0.005	0.020	0.001			0.200	135.0
16.0	0.010	0.019	0.030	0.001			0.160	134.5
19.0	0.008	0.033	0.027	0.003			0.220	134.2
22.0	0.008	0.035	0.020	0.004			0.290	128.5
25.0	0.013	0.024	0.065	0.001			0.420	
28.0	0.019	0.120	0.060	0.001			0.400	
31.0	0.010	0.025	0.205	0.003		26.2	0.520	134.0
34.0	0.015	0.071	0.180	0.003		26.2	0.580	
37.0	0.013	0.075		0.003		26.1	0.520	
40.0	0.013	0.068		0.003		26.0	0.580	136.0
50.0	0.017	0.062		0.003		26.0	0.540	132.1
75.0	0.079	0.063		0.005		26.1	0.970	135.0
79.0	0.012			0.002		26.1	0.550	
82.0			0.225	0.005		26.2		131.0

DEPTH	PHEN	CHLORA
1.0	0.007	0.70
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		
79.0		
82.0		

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	189.0	87.4	26.1	38.000	7.400	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	199.0	95.6	28.2	41.200	7.900	1.400	12.000
75.0							
79.0							
82.0	214.0	101.4	28.6	43.200	7.800	1.500	13.200

DEPTH	CD NF	CR NF	CO NF	CU NF	FE NF	PB NF	LI NF	MN NF
1.0	0.001	0.000	0.000	0.145	0.900	0.063	0.002	0.025
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	0.000	0.000	2.200	0.700	0.038	0.003	0.065
75.0								
79.0								
82.0	0.002	0.000	0.000	0.038	3.000	0.100	0.006	0.800

DEPTH	NI NF	SR NFA	ZN NF
1.0	0.005	0.195	0.075
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	0.190	0.045
75.0			
79.0			
82.0	0.012	0.195	0.120

C-REF-NO 005
CONS. NO 004
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 10
TIME 1936

NO. DEPTHS 07
SOUNDING 0920
BT SLIDE NO 004

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	2.0	20.09	2.6	310	7.2	8.450		11.80
10.0		13.86	0.9	313		8.260		9.95
20.0		5.85	0.4	311		8.070		11.70
30.0		4.45	0.2	307		8.020		12.45
50.0		4.05	0.2	304	2.2	8.090		12.60
75.0		3.90	0.1	299		7.940		12.80
90.0		3.94	1.3	299	3.2	7.950		11.60

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.027	0.063		0.011		26.7	0.350	127.0
10.0	0.016	0.055		0.002		26.2	0.260	
20.0	0.014	0.065		0.002		26.0	0.290	
30.0	0.008	0.073		0.002			0.490	
50.0	0.034	0.063		0.003		25.3	0.580	134.5
75.0	0.042	0.050		0.002		25.3	0.660	
90.0	0.072	0.065		0.005		25.5	1.000	

DEPTH	PHEN	CHLORA
1.0	0.008	8.27
10.0		
20.0		
30.0		
50.0		
75.0		
90.0		

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

LAT 43-28-00N
LON 076-36-00W

YEAR 1967
MONTH 07
DAY 10
TIME 2040

NO. DEPTHS 04
SOUNDING 0310
BT SLIDE NO 005

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	02 W
1.0	2.5	20.59	1.1	297	6.1	8.590		11.10
10.0		10.19	0.6	318		8.240		10.50
20.0		4.81	0.6	321		8.050		11.00
29.0		4.68	1.3	325	31.7	8.010	81.0	10.80

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0		0.073	0.210	0.007			0.720	124.0
10.0	0.024	0.080	0.200	0.004			0.530	
20.0	0.024	0.063	0.057	0.002			0.530	
29.0	0.020	0.068		0.002			0.640	137.8

DEPTH	PHEN	CHLORA
1.0		4.60
10.0		
20.0		
29.0		

C-REF-NO 005
CONS. NO 006
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 10
TIME 2220

NO. DEPTHS 02
SOUNDING 0150
BT SLIDE NO 006

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	02 W
1.0	2.5	18.68	3.6	288	7.9	8.320		12.10
9.0		10.39	3.2	316	7.2	8.130	83.0	11.10

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.023	0.029						124.0
9.0	0.025	0.120		0.003				134.1

DEPTH	PHEN	CHLORA
1.0		3.63
9.0		

C-REF-NO 005
CONS. NO 007
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 10
TIME 2314

NO. DEPTHS 05
SOUNDING 1040
BT SLIDE NO 007

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	02 W
1.0	2.5	19.68	2.5	289	6.7	8.620	81.0	11.40
10.0		8.87	1.8	304		8.210		11.30
20.0		4.63	1.3	294		8.060		12.10
30.0		4.05	1.4	285		8.080		12.50
50.0		3.99	4.8	286	2.5	8.130		12.10

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.018	0.087	0.084	0.002				124.0
10.0	0.014	0.060	0.200	0.007			0.380	
20.0	0.036	0.040	0.210	0.004			0.470	
30.0	0.021	0.070	0.165	0.004			0.620	
50.0	0.020	0.038	0.165	0.005			0.570	135.0

DEPTH	PHEN	CHLORA
1.0	0.004	2.76
10.0		
20.0		
30.0		
50.0		

C-REF-NO 005
CONS. NO 008
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 11
TIME 0010

NO. DEPTHS 08
SOUNDING 1310
BT SLIDE NO 009

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	3.0	19.23	2.8	297	5.7	8.280		11.10
10.0		9.05	2.6	308		8.140		11.50
20.0		4.03	2.4	315		7.980		12.50
30.0		4.03	1.4	316		7.960		12.50
50.0		4.00	2.8	317	2.7	7.980		12.60
75.0		3.86	1.7	315		7.940		12.70
100.0		3.79	0.5	313		8.010		12.60
129.0		3.78	5.3	314	102.2	7.880	78.0	12.10

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.021	0.035	0.068	0.001		26.7	0.620	128.0
10.0	0.012	0.073	0.205	0.003		26.4	0.240	
20.0	0.025	0.035	0.205	0.003		26.2	0.580	
30.0	0.025	0.016	0.205	0.003		26.1	0.520	124.5
50.0	0.025	0.018	0.206	0.002		26.1	0.580	135.0
75.0	0.036	0.080	0.206	0.002		26.1	0.460	
100.0		0.085	0.210			26.2	0.590	
129.0						28.1	1.230	135.0

DEPTH	PHEN	CHLORA
1.0	0.009	1.97
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
129.0		

C-REF-NO 005
CONS. NO 009
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 11
TIME 0113

NO. DEPTHS 08
SOUNDING 1200
BT SLIDE NO 011

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	2.5	20.60	2.3	304	5.4	8.410	80.0	11.00
10.0		9.86	3.1	310		8.270		11.40
20.0		4.02	0.8	297		8.050		12.50
30.0		4.00	2.4	315		8.030		12.50
50.0		3.98	1.2	309	1.4	7.960		12.50
75.0		3.87	0.5	311		7.970		12.50
100.0		3.80	0.7	308		7.980		12.60
117.0		3.75	4.2	319	3.0	7.950	97.0	11.70

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.019	0.050				26.5	0.390	124.3
10.0	0.020	0.034	0.065	0.001		26.4	0.480	
20.0	0.030	0.060	0.212	0.003		26.1	0.500	
30.0	0.025	0.061	0.212	0.003		26.1	0.510	
50.0	0.031	0.052	0.212	0.003	0.420	26.1	0.620	135.0
75.0	0.038	0.072	0.212	0.003		25.9	0.640	
100.0	0.043	0.060	0.212	0.003		26.0	0.600	
117.0	0.062	0.060	0.220	0.004	0.550	26.1	1.220	133.6

DEPTH	PHEN	CHLORA
1.0	0.007	2.69
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
117.0		

C-REF-NO 005
CONS. NO 010
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 11
TIME 0210

NO. DEPTHS 07
SOUNDING 0960
BT SLIDE NO 012

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		20.05	2.5	318	5.9	8.510	91.0	11.30
10.0		12.78	1.5	318		8.290		11.60
20.0		4.77	0.5	329		8.020		12.10
30.0		4.09	0.5	297		7.860		12.40
50.0		3.98	0.4	326	2.3	8.020	100.0	12.40
75.0		3.86	0.6	329		8.050		12.40
94.0		3.84	1.5	332	5.4	7.860	100.0	10.20

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.024	0.078		0.001	0.525	26.2	0.290	129.0
10.0	0.018	0.067				26.2	0.190	
20.0	0.017	0.092	0.185	0.006		26.0	0.290	
30.0	0.030	0.081	0.210	0.007		26.1	0.460	
50.0	0.039	0.066	0.210	0.006	0.360	25.8	0.510	133.8
75.0	0.041	0.060	0.210	0.007		25.7	0.590	
94.0	0.101	0.065	0.240	0.006	0.325	25.3		135.6

DEPTH	PHEN	CHLORA
1.0	0.005	3.34
10.0		
20.0		
30.0		
50.0		
75.0		
94.0		

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

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

YEAR 1967
MONTH 07
DAY 11
TIME 0307

NO. DEPTHS 03
SOUNDING 0180
BT SLIDE NO 013

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	02 W
1.0		20.20	2.0	329	3.0	8.330	96.0	9.60
10.0		10.17	0.8	325		8.100		10.80
16.0		5.94	2.2	332	2.4	8.020	100.0	11.00

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.024	0.073		0.002	0.425	25.9	0.360	131.8
10.0	0.015	0.040	0.025	0.002		26.0	0.170	
16.0	0.024	0.074	0.130	0.003	0.325	25.2	0.310	134.5

DEPTH	PHEN	CHLORA
1.0	0.007	1.68
10.0		
16.0		

C-REF-NO 005
CONS. NO 012
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 11
TIME 0414

NO. DEPTHS 03
SOUNDING 0190
BT SLIDE NO 014

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	02 W
1.0		21.10	3.0	318	4.4	8.570		10.60
10.0		17.63	1.3	325		8.180		10.60
17.0		5.70	1.1	336	3.3	8.020	98.0	11.00

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.017	0.028			0.600		0.360	
10.0	0.041	0.083	0.010	0.002			0.160	
17.0	0.033	0.072	0.109	0.005	0.320		0.420	134.6

DEPTH	PHEN	CHLORA
1.0	0.006	6.62
10.0		
17.0		

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

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

YEAR 1967
MONTH 07
DAY 11
TIME 0521

NO. DEPTHS 04
SOUNDING 0310
BT SLIDE NO 015

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		20.24	2.6	318	4.4	8.610	94.0	10.10
10.0		10.52	1.5	334		8.180		9.90
20.0		5.21	1.0	329		8.150		11.70
29.0		4.70	1.0	329	2.3	8.130	96.0	11.50

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0			0.095		0.400	26.0	0.080	128.6
10.0			0.240	0.003		26.0	0.200	
20.0			0.250	0.004		26.8	0.240	
29.0				0.005	6.280	26.6	0.410	133.6

DEPTH	PHEN	CHLORA
1.0	0.002	4.92
10.0		
20.0		
29.0		

C-REF-NO 005
CONS. NO 014
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 11
TIME 0612

NO. DEPTHS 08
SOUNDING 1130
BT SLIDE NO 016

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		21.26	2.9	310	5.0	8.310	92.0	10.60
10.0		16.52	3.6	316		8.230		9.20
20.0		5.41	1.5	332		8.160		12.20
30.0		4.01	0.9	325		8.180		12.90
50.0		3.91	0.7	328	1.8	8.150		12.60
75.0		3.84	0.4	328		8.130		12.60
100.0		3.75	0.7	326		8.180		12.70
111.0		3.78	0.9	332	1.8	8.130		12.50

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.024	0.064			0.425	26.9	0.160	129.0
10.0	0.018	0.047				26.0	0.210	
20.0	0.023	0.069	0.195	0.003		26.9	0.320	
30.0	0.038	0.040	0.275	0.002		26.2	0.420	
50.0	0.035	0.023	0.275	0.002		26.3	0.460	
75.0	0.046	0.042	0.275	0.002		26.3	0.480	
100.0	0.050	0.031	0.280	0.002		26.3	0.630	
111.0	0.050	0.043	0.280	0.003	0.325	26.2	0.680	

DEPTH	PHEN	CHLORA
1.0		2.99
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
111.0		

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

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

YEAR 1967
MONTH 07
DAY 11
TIME 0706

NO. DEPTHS 08
SOUNDING 1360
BT SLIDE NO 017

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		21.23	2.9	310	5.5	8.310	92.0	10.60
10.0		15.95	3.6	318		8.230	96.0	10.00
20.0		5.30	1.5	331		8.160		12.30
30.0		4.35	0.9	341		8.180		12.50
50.0		3.98	0.7	323	2.4	8.150	97.0	12.60
75.0		3.92	0.4	332		8.130		12.50
100.0		3.84	0.7	328		8.180		12.70
133.0		3.78	0.9	334	2.3	8.130		12.50

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.025	0.035			0.475	26.9	0.240	128.0
10.0	0.016	0.032				26.9	0.130	134.1
20.0	0.017	0.035		0.003		26.6	0.400	
30.0	0.028	0.043	0.200	0.003		26.5	0.400	
50.0	0.030	0.040	0.220	0.002	0.320	26.7	0.480	133.7
75.0	0.030	0.030	0.220	0.003		26.6	0.460	
100.0	0.034	0.043	0.220	0.003		26.6	0.430	
133.0	0.040	0.046	0.220	0.002	0.300	26.6	0.590	

DEPTH	PHEN	CHLORA
1.0	0.005	3.13
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
133.0		

C-REF-NO 005
CONS. NO 016
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 11
TIME 0800

NO. DEPTHS 08
SOUNDING 1280
BT SLIDE NO 018

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		20.64	1.7	318	3.6	8.630	92.0	10.10
10.0		11.90	1.7	325		8.250		10.90
20.0		4.69	0.7	331		8.100		12.50
30.0		4.09	0.7	336		8.220		12.80
50.0		3.99	0.6	331	2.6	8.140	99.0	12.90
75.0		3.82	0.5	334		8.090		12.80
100.0		3.82	0.7	332		8.160		12.80
126.0		3.78	0.8	335	3.4	8.190	97.0	12.50

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.015	0.045			0.380	27.0	0.080	128.8
10.0	0.020	0.060		0.001		26.9	0.120	
20.0	0.015	0.050		0.001		26.9	0.240	
30.0	0.033	0.077		0.002		26.9	0.330	
50.0	0.033	0.044		0.002	0.300	26.7	0.380	133.6
75.0	0.035	0.059				26.7	0.400	
100.0	0.035	0.042				26.8	0.440	
126.0	0.045	0.040		0.002	0.275	26.8	0.640	134.3

DEPTH	PHEN	CHLORA
1.0	0.008	2.20
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
126.0		

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

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

YEAR 1967
MONTH 07
DAY 11
TIME 0859

NO. DEPTHS 08
SOUNDING 1140
BT SLIDE NO 019

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		20.86	1.9	310	4.0	8.540	92.0	9.90
10.0		10.15	1.7	326		8.480		12.30
20.0		4.00	0.5	336		8.220		12.70
30.0		4.00	0.6	329		8.210		12.70
50.0		3.98	0.5	334	2.2	8.210	96.0	12.70
75.0		3.83	0.4	326		8.180		12.70
100.0		3.80	0.6	334		8.180		12.50
112.0		3.82	0.7	332	4.2	8.110	96.0	12.40

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0					0.350	27.5	0.360	138.8
10.0			0.025	0.001		26.5	0.280	
20.0			0.210	0.002		27.1	0.460	
30.0	0.035		0.210	0.002		27.1	0.520	
50.0	0.029		0.210	0.002	0.275	27.2	0.540	133.7
75.0	0.048		0.210	0.002		27.2	0.540	
100.0	0.050		0.215	0.002		26.9	0.690	
112.0	0.043		0.215	0.002	0.325	27.2	0.700	134.0

DEPTH	PHEN	CHLORA
1.0	0.006	1.20
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
112.0		

C-REF-NO 005
CONS. NO 018
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 11
TIME 1011

NO. DEPTHS 06
SOUNDING 0730
BT SLIDE NO 020

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		19.68	1.8	325	3.4	8.640	92.0	10.10
10.0		10.34	1.9	326		8.400		12.50
20.0		4.51	0.7	332		8.120		12.50
30.0		4.05	0.6	332		8.010		12.80
50.0		3.94	0.8	331	4.0	8.020	97.0	12.60
70.0		3.90	2.2	318	5.9	8.000	96.0	12.50

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.021				0.350	27.1	0.360	128.8
10.0	0.015		0.025	0.001		27.2	0.020	
20.0	0.027		0.210	0.003		27.3	0.430	
30.0								
50.0	0.030		0.210	0.003	0.280	27.3	0.510	133.7
70.0	0.038		0.210	0.003	0.275	27.4	0.560	133.7

DEPTH	PHEN	CHLORA
1.0	0.008	1.32
10.0		
20.0		
30.0		
50.0		
70.0		

C-REF-NO 005
CONS. NO 019
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 11
TIME 1054

NO. DEPTHS 03
SOUNDING 0170
BT SLIDE NO 021

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	3.5	20.00	1.8	307	3.9	8.450	90.0	10.50
10.0		8.92	1.4	317		8.240		12.00
15.0		6.30	0.7	325	2.9	7.980	95.0	11.70

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.040	0.044		0.002	0.600	26.3	0.440	129.0
10.0	0.025	0.044	0.035	0.004		25.9	0.680	
15.0	0.020	0.048	0.180	0.001	0.350	25.8	0.500	133.5

DEPTH	PHEN	CHLORA
1.0		1.00
10.0		
15.0		

C-REF-NO 005
CONS. NO 020
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 11
TIME 1249

NO. DEPTHS 04
SOUNDING 0310
BT SLIDE NO 022

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	4.5	19.33	1.3	311	2.7	8.440	90.0	10.40
10.0		11.25	1.9	300		8.420		12.15
20.0		5.60	1.6	294		8.020		11.10
28.0		5.60	1.0	298	2.5	7.980	95.0	11.15

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.020	0.030		0.002	0.450	25.8	0.160	128.8
10.0	0.022	0.040	0.065	0.004		25.9	0.310	
20.0	0.021	0.044	0.190	0.004		25.6	0.380	
28.0	0.022	0.050	0.190	0.001	0.600	25.6	0.420	133.1

DEPTH	PHEN	CHLORA
1.0	0.002	3.08
10.0		
20.0		
28.0		

C-REF-NO 005
CONS. NO 021
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 11
TIME 1357

NO. DEPTHS 03
SOUNDING 0200
BT SLIDE NO 024

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	4.0	18.49	1.4	311	2.5	8.490	89.0	10.60
10.0		11.48	1.0	307		8.500		12.10
16.0		8.67	0.7	307	2.6	8.340	96.0	11.70

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.025	0.030	0.015	0.001	0.375	26.0	0.220	131.6
10.0	0.020	0.030	0.070	0.002		25.9	0.300	
16.0	0.027	0.035	0.125	0.002	0.400	25.9	0.270	133.6

DEPTH	PHEN	CHLORA
1.0		1.76
10.0		
16.0		

C-REF-NO 005
CONS. NO 022
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 11
TIME 1457

NO. DEPTHS 06
SOUNDING 0760
BT SLIDE NO 026

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	4.5	19.55	0.9	304	3.2	8.590	95.0	10.20
10.0		12.52	2.1	297		8.590		12.45
20.0		5.23	1.2	295		8.190		12.50
30.0		4.11	1.0	292		8.090		12.45
50.0		3.97	1.0	292	1.6	8.030		12.45
74.0		3.90	1.0	289	2.5	7.940	98.0	12.45

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.020	0.040			0.350	26.0	0.150	133.1
10.0	0.023	0.050				26.0	0.060	
20.0	0.018	0.040	0.163	0.002		26.0	0.050	
30.0	0.020	0.060	0.205	0.004		25.9	0.320	
50.0	0.023	0.053	0.205	0.005		25.9	0.590	
74.0	0.038	0.038	0.205	0.005	0.250	25.9	0.630	

DEPTH	PHEN	CHLORA
1.0	0.003	2.72
10.0		
20.0		
30.0		
50.0		
74.0		

C-REF-NO 005
CONS. NO 023
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 11
TIME 1551

NO. DEPTHS 08
SOUNDING 1070
BT SLIDE NO 028

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	5.0	18.67	0.8	302	2.5	8.660	90.0	10.70
10.0		10.99	1.5	298		8.600		12.90
20.0		4.81	0.7	312		8.110		12.80
30.0		4.31	0.3	307		8.140		12.80
50.0		3.88	0.4	309	1.8	8.100	89.0	13.00
75.0		3.79	0.4	294		7.970		13.00
100.0		3.74	0.6	300		8.010		12.10
105.0		3.76	0.8	298	2.9	7.980	93.0	12.00

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.025	0.040			0.375		0.230	129.0
10.0	0.030	0.052		0.001			0.120	
20.0	0.018	0.037	0.180	0.002			0.120	
30.0	0.015	0.057	0.200	0.003			0.230	
50.0	0.030	0.038	0.205	0.005	0.380		0.260	
75.0	0.032	0.051	0.210	0.005		26.1	0.305	
100.0	0.048	0.052	0.225	0.005		26.4	0.720	
105.0	0.052	0.046	0.227	0.005	0.300	26.3	0.970	133.3

DEPTH	PHEN	CHLORA
1.0	0.006	2.63
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
105.0		

C-REF-NO 005
CONS. NO 024
COUNTRY 16
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 11
TIME 1647

NO. DEPTHS 19
SOUNDING 1430
BT SLIDE NO 030

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	5.0	19.25	0.5	297	2.2	8.620	87.0	10.50
4.0		19.22	0.4	305	2.7	8.690	87.0	10.70
7.0		16.27	0.7	303	3.7	8.670	90.0	12.00
10.0		9.77	1.2	300	3.0	8.990	90.0	13.10
13.0		8.44	1.3	297	3.5	8.310	92.0	13.20
16.0		6.08	1.3	299	3.1	8.290		13.10
19.0		5.39	0.9	298	2.5	8.130	93.0	12.90
22.0		4.78	0.5	298	2.9	8.020		12.65
25.0		4.14	0.5	294	2.9	7.950	91.0	12.80
28.0		4.07	0.4	294	2.8	8.010		12.75
31.0		4.05	0.3	306	3.1	8.130	93.0	12.70
34.0		3.99	0.3	314	1.6	8.110	95.0	12.80
37.0		4.02	0.3	308	1.4	8.630		12.70
40.0		4.03	0.3	313	2.6	8.100	93.0	12.80
50.0		3.91	0.3	313	1.3	8.090	94.0	12.80
75.0		3.83	0.3	315	2.4	8.120	94.0	12.80
100.0		3.80	0.3	315	2.7	7.970	94.0	12.80
140.0			0.8	315	2.2	7.970		12.60
143.0			11.1	306	16.3	7.916	93.0	11.10

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.022				0.350	26.1	0.290	128.7
4.0	0.016	0.040			0.400	26.2	0.310	128.6
7.0	0.022	0.052			0.350	26.2	0.410	128.0
10.0	0.011	0.038	0.015	0.001	0.350	26.1	0.190	130.7
13.0	0.020	0.028	0.050	0.001	0.600	26.1	0.205	131.2
16.0	0.020	0.115	0.115	0.001	0.450	26.4	0.195	
19.0	0.018	0.040	0.150	0.001	0.325	26.3	0.330	131.9
22.0	0.015	0.020	0.180	0.001		26.4	0.330	
25.0	0.015	0.030	0.205	0.002	0.300	26.4	0.300	131.0
28.0	0.015	0.060	0.210	0.003	0.300	26.2	0.305	
31.0	0.013	0.037	0.210	0.003	0.300	26.2	0.270	133.8
34.0	0.015	0.030	0.210	0.003	0.250	26.2	0.300	133.7
37.0	0.018	0.020	0.215	0.003	0.300	26.2	0.240	
40.0	0.018	0.030	0.215	0.003	0.350	26.2	0.290	133.8
50.0	0.020	0.030	0.215	0.003	0.250	26.3	0.340	133.6
75.0	0.037	0.030	0.210	0.003	0.350	26.2	0.340	133.6
100.0	0.032	0.035	0.210	0.002	0.325	26.2	0.420	133.6
140.0	0.020		0.215	0.003		26.1	0.102	
143.0		0.021	0.210	0.001	0.300	30.0		133.4

DEPTH	PHEN	CHLORA
1.0	0.009	3.16
4.0		
7.0		
10.0		
13.0		
16.0		
19.0		
22.0		
25.0		
28.0		
31.0	0.008	
34.0		
37.0		
40.0		
50.0		
75.0		
100.0		
140.0		
143.0		

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	197.0	93.2	28.4	40.000	7.900	1.500	14.000
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	193.0	93.7	27.1	40.000	7.500	1.400	13.200
75.0							
100.0							
140.0							
143.0	196.0	94.2	27.5	40.400	7.500	1.400	14.000

DEPTH	CD NF	CR NF	CO NF	CU NF	FE NF	PB NF	LI NF	MN NF
1.0	0.002	0.000	0.000	0.032	0.650	0.027	0.003	0.135
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	0.000	0.000	0.175	0.550	0.055	0.002	0.015
75.0								
100.0								
140.0								
143.0	0.002	0.000	0.000	0.015	1.100	0.055	0.003	0.235

DEPTH	NI NF	SR NFA	ZN NF
1.0	0.003	0.190	0.048
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	0.004	0.200	0.185
75.0			
100.0			
140.0			
143.0	0.003	0.195	0.060

C-REF-NO 005
CONS. NO 025
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 11
TIME 1924

NO. DEPTHS 09
SOUNDING 1760
BT SLIDE NO 032

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	4.0	20.21	1.9	305	3.1	8.630	89.0	10.30
10.0		13.20	1.5	319		8.480		11.40
20.0		4.85	0.7	326		8.090		12.40
30.0		3.99	0.4	328		8.090		12.60
50.0		3.93	0.3	326	1.2	8.080	91.0	12.50
75.0		3.86	1.8	332		8.120		12.50
100.0		3.82	1.6	325		8.080		12.60
150.0		3.75	0.2	331		8.110		12.60
173.0		3.68	0.6	331	2.4	8.080	94.0	12.80

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.020	0.045		0.001	0.350	29.1	0.710	128.8
10.0	0.020			0.001		29.1	0.722	
20.0	0.014	0.045	0.200	0.002		29.0	0.530	
30.0	0.028	0.060	0.220	0.002		29.1	0.530	
50.0	0.027	0.054	0.220	0.002	0.350	29.1	0.660	133.7
75.0	0.030	0.052	0.220	0.002		29.1	0.750	
100.0	0.030	0.052	0.220	0.002		29.2	0.520	
150.0	0.029	0.086	0.220	0.002		29.2	0.570	
173.0	0.037	0.037	0.220	0.002	0.325	29.2	1.030	128.8

DEPTH	PHEN	CHLORA
1.0	0.008	2.64
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
150.0		
173.0		

C-REF-NO 005
CONS. NO 026
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 11
TIME 2036

NO. DEPTHS 08
SOUNDING 1460
BT SLIDE NO 033

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	2.0	20.30	2.6	318	5.9	8.600	84.0	9.00
10.0		14.89	1.2	321		8.240		9.50
20.0		5.67	0.8	328		8.160		10.20
30.0		4.00	0.5	328		8.140		10.70
50.0		3.92	0.3	328	2.2	8.130	93.0	10.70
75.0		3.85	0.4	328		8.110		10.90
100.0		3.80	0.3	328		8.100		10.80
144.0		3.73	0.5	327	2.2	8.040	93.0	10.80

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.025	0.055			0.850	29.8	0.770	128.9
10.0	0.017	0.040	0.020	0.002		29.5	0.380	
20.0	0.019	0.070	0.175	0.002		29.2	0.370	
30.0	0.029	0.056	0.215	0.002		29.1	0.470	
50.0	0.028	0.030	0.215	0.002	0.650	29.1	0.710	132.7
75.0	0.028	0.040	0.215	0.002		29.1	0.450	
100.0	0.030	0.056	0.215	0.002		29.1	0.480	
144.0	0.041	0.044	0.220	0.002	0.600	29.2	0.780	133.5

DEPTH	PHEN	CHLORA
1.0	0.002	4.73
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
144.0		

C-REF-NO 005
CONS. NO 027
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 11
TIME 2123

NO. DEPTHS 05
SOUNDING 0440
BT SLIDE NO 035

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	02 W
1.0	2.0	19.54	2.5	319	7.7	8.590	85.0	9.60
10.0		12.70	1.1	329		8.370		10.30
20.0		5.93	0.7	331		8.150		11.10
30.0		4.91	0.5	331		8.100		11.30
38.0		4.88	0.5	328	2.4	8.050	89.0	11.10

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.028			0.001	0.850	30.1	0.620	128.2
10.0	0.026		0.030	0.002		30.2	0.090	
20.0	0.020	0.092	0.170	0.006		29.5	0.380	
30.0	0.032	0.072		0.009		29.4	0.870	
38.0	0.042	0.080		0.009	0.610	29.5	0.490	133.9

DEPTH	PHEN	CHLORA
1.0	0.006	5.39
10.0		
20.0		
30.0		
38.0	0.002	

C-REF-NO 005
CONS. NO 028
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 11
TIME 2329

NO. DEPTHS 03
SOUNDING 0210
BT SLIDE NO 037

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	02 W
1.0	3.0	20.23	2.1	317	5.0	8.670	82.0	9.60
10.0		16.66	0.7	340		8.120		10.00
19.0		6.57	0.6	325	2.2	8.100	90.0	11.40

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.035	0.066		0.001	0.425	27.0	0.590	128.0
10.0	0.013	0.085	0.025	0.001		26.8	0.620	
19.0	0.022	0.090	0.160	0.007	0.440	26.3	0.450	134.4

DEPTH	PHEN	CHLORA
1.0	0.003	5.89
10.0		
19.0		

C-REF-NO 005
CONS. NO 029
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 12
TIME 0030

NO. DEPTHS 08
SOUNDING 1320
BT SLIDE NO 039

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	2.5	21.33	2.7	317	4.6	8.650	86.0	8.70
10.0		14.71	1.1	316		8.730		9.70
20.0		4.94	0.4	328		8.170		11.30
30.0		4.26	0.3	328		8.150		11.10
50.0		3.90	0.3	330	0.6	8.150	94.0	11.30
75.0		3.85	1.9	330		8.130		11.30
100.0		3.89	0.2	325		8.110		11.30
130.0		3.75	0.3	329	0.8	8.040	91.0	11.30

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.017	0.050		0.001	0.560	26.0	0.600	129.1
10.0	0.020	0.040				26.4	0.590	
20.0	0.018	0.045	0.150	0.003		26.3	0.490	
30.0	0.027	0.040	0.160	0.003		26.5	0.470	
50.0	0.026	0.025	0.163	0.002	0.225	26.5	0.620	132.7
75.0	0.029	0.059	0.162	0.002		26.5	0.570	
100.0	0.026		0.165	0.004		26.6	0.570	
130.0	0.037	0.054	0.170	0.003	0.450	26.8	0.900	133.4

DEPTH	PHEN	CHLORA
1.0	0.007	4.17
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
130.0		

C-REF-NO 005
CONS. NO 030
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 12
TIME 0138

NO. DEPTHS 09
SOUNDING 1743
BT SLIDE NO 041

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		20.25	1.0	318	1.5	8.600	83.0	9.10
10.0		12.41	1.0	321		8.550		10.30
20.0		6.06	0.4	328		8.170		11.10
30.0		4.49	0.3	315		8.150		11.40
50.0		3.92	0.2	328	5.4	8.090	91.0	11.70
75.0		3.84	0.2	325		8.100		11.90
100.0		3.80	0.2	327		8.130		11.90
150.0		3.76	0.3	327		8.130		11.70
172.0		3.70	0.5	332	1.6	8.070	88.0	11.70

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0				0.002	0.575	26.6	0.780	128.4
10.0				0.015		26.4	0.750	
20.0			0.142	0.005		26.3	0.610	
30.0			0.162	0.007		26.3	0.450	
50.0			0.176		0.575	26.4		134.3
75.0			0.182			26.2		
100.0			0.184			26.5		
150.0			0.178			26.6	1.160	
172.0			0.178		6.450	26.6		134.3

DEPTH	PHEN	CHLORA
1.0	0.009	2.56
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
150.0		
172.0		

C-REF-NO 005
CONS. NO 031
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 12
TIME 0243

NO. DEPTHS 08
SOUNDING 1530
BT SLIDE NO 043

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		19.39	0.6	311	2.7	8.780		9.70
10.0		14.30	1.0	317		8.710		10.40
20.0		5.47	0.5	320		8.300		11.90
30.0		3.99	0.3	309		8.130		12.40
50.0		3.90	0.2	328	1.2	8.120	88.0	12.40
75.0		3.81	0.2	325		8.120		12.30
100.0		3.78	0.3	325		8.120		12.10
150.0		3.72	0.4	327	4.0	8.050	92.0	12.00

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0				0.001	0.575	26.3	1.000	
10.0				0.002		26.2	0.700	
20.0			0.158	0.003		26.6	0.720	
30.0			0.178	0.003		27.0	0.715	
50.0			0.180	0.003		26.5	0.960	131.0
75.0			0.180	0.006		26.6	0.590	
100.0			0.174			26.7	0.940	
150.0			0.182	0.008	0.750	26.8	1.020	131.1

DEPTH	PHEN	CHLORA
1.0	0.007	2.38
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
150.0		

C-REF-NO 005
CONS. NO 032
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 12
TIME 0344

NO. DEPTHS 07
SOUNDING 1021
BT SLIDE NO 045

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		19.57	0.7	309	2.2	8.670	87.0	9.10
10.0		13.37	1.4	313		8.560		10.00
20.0		4.47	0.7	319		8.260		10.70
30.0		3.98	0.5	322		8.200		11.20
50.0		3.89	0.4	317	1.4	8.200		11.50
75.0		3.81	0.4	322		8.190		11.60
100.0		3.76	1.5	321	4.0	8.050	87.0	11.60

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0				0.001	0.500	26.2	0.800	128.6
10.0				0.001		26.2	1.100	
20.0			0.148	0.003		26.6	0.560	
30.0			0.152	0.005		26.4	0.220	
50.0			0.154	0.007		27.1	0.860	
75.0			0.158	0.008		26.4	0.620	
100.0			0.182	0.007	0.375	27.0		128.6

DEPTH	PHEN	CHLORA
1.0	0.010	2.54
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		

C-REF-NO 005
CONS. NO 033
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 12
TIME 0446

NO. DEPTHS 05
SOUNDING 0500
BT SLIDE NO 046

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		19.14	1.4	313	2.3	8.570	93.0	9.40
10.0		8.18	2.1	309		8.560		11.10
20.0		4.82	0.8	316		8.270		11.60
30.0		4.11	0.5	313		8.230		12.10
50.0		4.00	1.0	316	2.4	8.170	92.0	12.10

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0				0.001	0.400	26.3	0.500	130.9
10.0				0.001		26.4	0.670	
20.0			0.126	0.002		26.3	0.600	
30.0			0.136	0.003		25.8	0.450	
50.0			0.150	0.005	0.450	26.5	0.550	132.6

DEPTH	PHEN	CHLORA
1.0	0.009	3.38
10.0		
20.0		
30.0		
50.0		

C-REF-NO 005
CONS. NO 034
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 12
TIME 0538

NO. DEPTHS 03
SOUNDING 0240
BT SLIDE NO 047

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		19.19	1.5	314	2.5	8.600	90.0	9.50
10.0		8.37	1.6	314		8.450		11.40
20.0		5.43	1.0	319	1.3	8.220	92.0	11.90

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0				0.001	0.550	24.4	0.770	130.2
10.0			0.078	0.002		26.1	0.870	
20.0			0.132	0.003	0.500	26.1	0.370	130.2

DEPTH	PHEN	CHLORA
1.0		3.27
10.0		
20.0		

C-REF-NO 005
CONS. NO 035
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 12
TIME 0753

NO. DEPTHS 04
SOUNDING 0310
BT SLIDE NO 048

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		18.60	1.2	313	2.3	8.600	90.0	9.30
10.0		14.93	1.6	318		8.660		9.90
20.0		7.80	0.8	324		8.260		10.50
30.0		6.18	0.7	325	2.0	8.130	90.0	10.70

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0				0.001	0.600	26.2	0.300	132.8
10.0				0.001		26.4	0.200	
20.0			0.098	0.002		26.3	0.230	
30.0			0.124	0.003	0.625	26.2	0.300	129.3

DEPTH	PHEN	CHLORA
1.0	0.004	3.22
10.0		
20.0		
30.0		

C-REF-NO 005
CONS. NO 036
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 12
TIME 0848

NO. DEPTHS 04
SOUNDING 0300
BT SLIDE NO 049

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		18.90	1.0	311	2.2	8.680	90.0	9.30
10.0		14.37	1.6	310		8.670		9.90
20.0		6.56	0.7	322		8.240		10.50
26.0		5.52	0.6	324	2.1	8.110	90.0	10.60

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.062	0.044		0.001	0.400	25.5	0.195	129.3
10.0	0.050	0.032		0.001		25.6	0.360	
20.0	0.048	0.045		0.003		25.7	0.230	
26.0	0.052	0.051		0.004	0.275	25.7	0.350	134.1

DEPTH	PHEN	CHLORA
1.0	0.007	3.66
10.0		
20.0		
26.0		

C-REF-NO 005
CONS. NO 037
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 12
TIME 0945

NO. DEPTHS 06
SOUNDING 0540
BT SLIDE NO 050

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		19.52	0.7	310	3.6	8.730		9.40
10.0		13.29	1.3	311		8.610		10.40
20.0		5.57	0.8	314		8.270		10.60
30.0		4.36	0.7	316		8.190		11.40
50.0		4.19	1.0	322	3.6	8.190		11.60
52.0		4.17	1.0	317	2.5	8.110		11.80

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.036	0.040		0.001		25.8	0.170	
10.0	0.040	0.044		0.001		25.8	0.330	
20.0	0.046	0.025	0.074	0.002		25.7	0.100	
30.0	0.038	0.072	0.074	0.003		25.8	0.220	
50.0	0.055		0.062	0.005		26.0	0.400	
52.0	0.058		0.060	0.005		26.1	0.590	

DEPTH	PHEN	CHLORA
1.0	0.005	4.01
10.0		
20.0		
30.0		
50.0		
52.0		

C-REF-NO 005
CONS. NO 038
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 12
TIME 1043

NO. DEPTHS 06
SOUNDING 0780
BT SLIDE NO 051

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	4.0	19.25	0.6	320	2.4	8.710		10.90
10.0		14.37	1.1	324		8.340		10.40
20.0		6.43	0.4	323		8.200		11.60
30.0		5.59	0.5	327		8.180		11.80
50.0		4.75	0.5	327	2.2	8.170		12.20
73.0		4.19	1.0	329	3.5	8.110		12.00

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.050	0.028		0.001		25.8	0.130	
10.0	0.040	0.029		0.001		26.0	0.130	
20.0	0.033	0.052	0.016	0.003		26.0	0.070	
30.0	0.030	0.063	0.026	0.004		26.1	0.100	
50.0	0.040	0.060	0.024	0.005		26.0	0.320	
73.0	0.095	0.050	0.036	0.009		26.2	0.540	

DEPTH	PHEN	CHLORA
1.0		3.82
10.0		
20.0		
30.0		
50.0		
73.0		

C-REF-NO 005
CONS. NO 039
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 12
TIME 1138

NO. DEPTHS 02
SOUNDING 1360
BT SLIDE NO 052

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	4.5	18.94	0.6	320	2.8	8.820	90.0	10.30
10.0		13.04	0.7	325		8.640		11.30

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.055	0.060			6.230	26.7	0.680	133.5
10.0	0.040	0.062				26.4	0.830	

DEPTH	PHEN	CHLORA
1.0	0.007	4.63
10.0		

C-REF-NO 005
CONS. NO 040
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 12
TIME 1241

NO. DEPTHS 09
SOUNDING 1652
BT SLIDE NO 054

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	4.5	19.31	0.5	316	1.8	8.850	89.0	10.20
10.0		14.85	0.8	320		8.770		10.90
20.0		7.01	0.3	322		8.310		11.70
30.0		4.92	0.2	322		8.260		12.00
50.0		4.04	0.3	325	0.0	8.200	93.0	12.20
74.0		3.85	0.2	325		8.170		12.20
99.0		3.84	0.2	325		8.180		12.70
149.0		3.69	0.3	325		8.160		12.30
162.0		3.68	0.5	325	1.6	8.140	93.0	12.20

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.057	0.053			0.375	26.0	0.650	128.7
10.0	0.043	0.043				26.2	0.625	
20.0	0.025	0.045	0.144	0.004		26.0	0.310	
30.0	0.036	0.043	0.172	0.004		26.0	0.480	
50.0	0.043	0.045	0.180	0.004	0.300	26.0	0.650	134.4
74.0	0.044	0.045	0.182	0.003		25.9	0.500	
99.0	0.047	0.052	0.180	0.003		26.0	0.630	
149.0	0.050	0.060	0.180	0.003		26.2	0.490	
162.0	0.068	0.040	0.186	0.003	0.200	26.3	0.730	133.0

DEPTH	PHEN	CHLORA
1.0		2.78
10.0		
20.0		
30.0		
50.0		
74.0		
99.0		
149.0		
162.0		

C-REF-NO 005
CONS. NO 041
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 12
TIME 1350

NO. DEPTHS 09
SOUNDING 1630
BT SLIDE NO 056

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	3.5	19.65	1.0	318	2.4	8.760	90.0	10.00
10.0		17.62	1.1	316		8.740		10.10
20.0		7.71	0.5	330		8.360		11.10
30.0		5.12	0.3	325		8.200		11.70
49.0		4.26	0.2	325	1.0	8.180	91.0	11.90
74.0		3.91	0.2	330		8.170		12.00
99.0		3.81	0.2	332		8.170		11.90
149.0		3.72	0.2	330		8.180		11.80
160.0		3.67	0.4	327	2.8	8.140	92.0	11.50

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.055	0.043		0.001	0.450	26.1	0.230	128.9
10.0	0.047	0.050				26.3	0.840	
20.0	0.033	0.052	0.112	0.002		26.2	0.680	
30.0	0.040	0.046	0.170	0.004		26.7	0.420	
49.0	0.042	0.050	0.176	0.003	0.250	26.3	0.670	131.8
74.0	0.050	0.053	0.182	0.003		26.3	0.430	
99.0	0.050	0.046	0.180	0.002		26.3	0.420	
149.0	0.062	0.030	0.182	0.003		26.4	0.460	
160.0	0.066	0.041	0.190	0.003	0.300	26.5	0.740	133.7

DEPTH	PHEN	CHLORA
1.0	0.004	3.65
10.0		
20.0		
30.0		
49.0		
74.0		
99.0		
149.0		
160.0		

C-REF-NO 005
CONS. NO 042
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 12
TIME 1449

NO. DEPTHS 08
SOUNDING 1160
BT SLIDE NO 057

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	3.0	19.80	1.1	315	2.2	8.670	88.0	9.50
10.0		19.53	1.1	318		8.640		9.70
20.0		8.77	0.4	323		8.390		11.20
30.0		4.95	0.4	330		8.200		12.10
50.0		3.94	0.4	330	2.2	8.160	89.0	12.10
75.0		3.90	0.2	325		8.170		11.70
100.0		3.83	0.7	330		8.130		11.60
114.0		3.81	0.3	327	1.6	8.140	92.0	12.30

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.066	0.043		0.001	0.625	26.8	0.470	128.4
10.0	0.067	0.035		0.001		26.8	0.195	
20.0	0.033	0.053	0.094	0.003		26.5	0.250	
30.0	0.033	0.042	0.180	0.006			0.400	
50.0	0.045	0.037	0.200	0.004		26.5	0.600	131.9
75.0	0.045	0.050	0.192	0.004		26.3	0.480	
100.0	0.075	0.040	0.184	0.004		26.3	0.660	
114.0	0.048	0.025	0.180	0.004		26.3	0.530	133.4

DEPTH	PHEN	CHLORA
1.0	0.005	5.72
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
114.0		

C-REF-NO 005
CONS. NO 043
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 12
TIME 1615

NO. DEPTHS 04
SOUNDING 0310
BT SLIDE NO 059

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	3.0	20.50	1.2	312	2.3	8.650		9.50
10.0		16.51	1.2	325		8.530		10.20
20.0		11.52	0.8	325		8.340		10.90
30.0		4.59	1.3	332	14.8	8.080	91.0	12.20

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.055	0.032		0.001		26.8	0.160	
10.0	0.039	0.058				26.7	0.130	
20.0	0.050	0.094	0.102	0.003		26.4	0.200	
30.0	0.062		0.234	0.004		26.1	0.670	133.4

DEPTH	PHEN	CHLORA
1.0	0.004	1.56
10.0		
20.0		
30.0		

C-REF-NO 005
CONS. NO 044
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 12
TIME 1847

NO. DEPTHS 04
SOUNDING 0260
BT SLIDE NO 061

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	3.0	20.51	1.6	318	0.6	8.730	87.0	8.80
10.0		19.13	1.4	322		8.740		9.10
20.0		14.36	1.1	323		8.390		9.40
24.0		8.54	1.2	334	3.5	8.190	92.0	10.10

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0					0.450	27.4		128.5
10.0						27.2		
20.0			0.064			27.0		
24.0		0.060	0.156		0.475	26.9		130.0

DEPTH	PHEN	CHLORA
1.0	0.006	2.72
10.0		
20.0		
24.0		

C-REF-NO 005
CONS. NO 045
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 12
TIME 1932

NO. DEPTHS 06
SOUNDING 0770
BT SLIDE NO 063

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	5.0	19.78	0.7	310	1.6	8.860	87.0	9.10
10.0		14.72	1.4	314		8.830		9.70
20.0		10.95	1.0	325		8.470		10.20
30.0		6.64	0.5	322		8.360		10.60
50.0		4.52	0.7	322	1.8	8.160	92.0	10.80
76.0		4.02	1.5	329	2.5	8.120	90.0	10.90

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0					0.425	27.0		129.3
10.0						26.8	0.520	
20.0	0.036	0.052	0.064			26.7	0.580	
30.0	0.021	0.070	0.150	0.005		26.6	0.280	
50.0	0.045	0.062	0.220	0.012		26.7	0.580	134.0
76.0	0.078	0.052	0.230	0.011		26.8	0.680	133.4

DEPTH	PHEN	CHLORA
1.0	0.005	1.55
10.0		
20.0		
30.0		
50.0		
76.0		

C-REF-NO 005
CONS. NO 046
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 12
TIME 2109

NO. DEPTHS 21
SOUNDING 2249
BT SLIDE NO 065

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	OX W
1.0	3.5	19.43	1.3	310	1.7	8.830	90.0	9.40
4.0		18.97	1.2	310	2.8	8.870	88.0	9.50
7.0		15.28	1.3	330	3.2	8.800		9.80
10.0		12.56	1.5	319	6.9	8.690	88.0	10.00
13.0		9.40	0.8	324	2.5	8.510	94.0	10.40
16.0		7.82	0.6	322	2.0	8.380	94.0	10.40
19.0		6.23	0.6	325	2.8	8.300	94.0	10.50
22.0		5.96	0.4	319	2.2	8.290	74.0	11.20
25.0		5.62	0.4	316	0.5	8.280	95.0	11.20
28.0		5.47	0.6	322	3.2	8.270	95.0	11.30
31.0		5.15	0.3	317	1.7	8.260	93.0	8.26
34.0		4.82	0.5	322	3.6	8.250	90.0	8.25
36.0		4.76	0.5	323	2.4	8.240	94.0	8.24
39.0		4.67	0.3	321	5.0	8.230	90.0	8.23
49.0		4.10	0.3	321	2.4	8.200	92.0	8.20
50.0								
74.0		3.85	0.4	323	2.2	8.180	93.0	8.18
98.0		3.83	0.3	323	2.3	8.170		8.17
148.0		3.74	0.3	324	3.1	8.170	95.0	8.17
197.0		3.65	0.3	327	2.0	8.170	92.0	8.17
220.0		3.65	1.0	317	45.7	8.160	95.0	8.16

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.045	0.053		0.002		27.3	0.150	128.7
4.0	0.038	0.035		0.002	0.400	27.3	0.110	129.2
7.0	0.052	0.038		0.002	0.425	27.4	0.380	
10.0	0.050	0.045		0.002		27.5	0.140	129.7
13.0	0.030	0.035	0.064	0.002	0.325	27.4	0.320	133.2
16.0	0.035	0.030	0.110	0.003	0.300	27.4	0.260	134.7
19.0	0.040	0.030	0.154	0.003		27.2	0.550	133.9
22.0	0.030	0.030	0.160	0.003		27.1	0.360	135.0
25.0	0.040	0.042	0.174	0.004	0.350	27.2	0.510	133.8
28.0	0.020	0.050	0.180	0.004	0.290	27.0	0.430	133.0
31.0	0.033	0.036	0.194	0.004	0.300	27.0	0.360	132.6
34.0	0.038	0.028	0.206	0.005	0.300	27.0	0.340	129.0
36.0	0.033	0.021	0.208	0.005	0.340	27.0	0.400	133.0
39.0	0.050	0.053	0.214	0.005	0.275	27.2	0.440	132.3
49.0	0.062	0.030	0.224	0.004	0.325	27.1	0.490	133.6
50.0								
74.0	0.082	0.050	0.226	0.003	0.325	27.3	0.400	133.4
98.0	0.045	0.033	0.226	0.003	0.325	27.3	0.550	
148.0	0.039	0.058	0.228	0.003	0.340	27.4	0.500	133.4
197.0	0.040	0.028	0.226	0.005	0.320	27.4	0.590	129.7
220.0		0.058	0.230	0.011	0.425	28.4	1.090	129.7

DEPTH	PHEN	CHLORA
1.0	0.005	4.43
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		
50.0		
74.0		
98.0		
148.0		
197.0		
220.0		

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	192.0	87.9	28.2	38.000	7.500	1.400	13.400
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	201.0	97.1	28.2	40.400	7.900	1.300	13.400
50.0							
74.0							
98.0							
148.0							
197.0							
220.0	199.0	94.2	27.5	40.000	7.900	1.400	13.000

DEPTH	CD NF	CR NF	CO NF	CU NF	FE NF	PB NF	LI NF	MN NF
1.0	0.001	0.000	0.000	0.039	0.650	0.048	0.003	0.105
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								
50.0	0.001	0.000	0.000	0.12C	0.800	0.074	0.002	0.150
74.0								
98.0								
148.0								
197.0								
220.0	0.001	0.000	0.000	0.025	0.550	0.041	0.003	0.065

DEPTH	NI NF	SR NFA	ZN NF
1.0	0.003	0.180	0.042
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			
50.0	0.006	0.195	0.058
74.0			
98.0			
148.0			
197.0			
220.0	0.002	0.195	0.037

C-REF-NO 005
CONS. NO 047
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 12
TIME 2344

NO. DEPTHS 09
SOUNDING 1820
BT SLIDE NO 067

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	4.0	19.48	0.9	311	3.3	8.870	65.0	11.00
10.0		10.49	1.1	322		8.610		11.60
20.0		7.45	0.7	316		8.360		11.70
30.0		4.48	0.6	325		8.230		12.50
50.0		3.92	0.3	324	3.8	8.190	89.0	12.60
75.0		3.85	0.3	323		8.190		12.60
100.0		3.83	0.3	323		8.180		12.70
150.0		3.74	0.3	324		8.180		12.70
180.0		3.67	0.8	328	12.2	8.110	90.0	12.00

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.054	0.043		0.002		27.3	0.250	128.4
10.0	0.038	0.033	0.028	0.002		26.9	0.070	
20.0	0.035	0.050	0.128	0.004		26.9	0.230	
30.0	0.034	0.026	0.216	0.008		26.8	0.320	
50.0	0.048	0.022	0.222	0.007		26.8	0.380	134.5
75.0	0.050	0.022	0.224	0.007		26.9	0.410	
100.0	0.049	0.032	0.224	0.007		27.0	0.400	
150.0	0.043	0.022	0.224	0.008		27.1	0.400	
180.0	0.074	0.033	0.230	0.009		27.2	0.770	134.2

DEPTH	PHEN	CHLORA
1.0	0.006	3.66
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
150.0		
180.0		

C-REF-NO 005
CONS. NO 048
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 13
TIME 0037

NO. DEPTHS 08
SOUNDING 1230
BT SLIDE NO 069

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	5.0	19.73	0.8	317	3.0	8.850	85.0	10.90
10.0		11.71	0.9	321		8.610		11.30
20.0		5.30	0.6	324		8.230		11.80
30.0		4.49	0.5	324		8.160		12.20
50.0		4.02	0.4	324	1.6	8.170	89.0	12.50
75.0		3.90	0.4	328		8.180		12.50
100.0		3.83	0.3	321		8.170		12.30
121.0		3.80	0.2	334	4.5	8.040	87.0	11.60

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.110	0.050			0.450	27.6	0.380	130.3
10.0	0.038	0.040	0.026	0.002		27.2	0.080	
20.0	0.030	0.052	0.174	0.008		27.9	0.150	
30.0	0.045	0.053	0.210	0.012		27.4	0.330	
50.0	0.038	0.035	0.220	0.014		27.3	0.320	134.2
75.0	0.045	0.044	0.224	0.013		27.2	0.370	
100.0	0.045	0.040	0.224	0.012		27.5	0.360	
121.0	0.115	0.034	0.232	0.009	0.380	28.8	0.980	139.1

DEPTH	PHEN	CHLORA
1.0	0.003	3.83
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
121.0		

C-REF-NO 005
CONS. NO 049
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 13
TIME 0132

NO. DEPTHS 06
SOUNDING 0770
BT SLIDE NO 071

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		19.19	0.8	310	2.5	8.700	85.0	10.60
10.0		13.45	1.2	322		8.610		10.70
20.0		5.88	0.6	328		8.040		11.10
30.0		5.10	0.4	330		8.090		11.70
50.0		4.41	0.3	332	1.5	8.110	89.0	11.40
75.0		4.09	0.3	330	4.5	7.990	87.0	12.20

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.110	0.043			0.375	28.0	0.570	134.3
10.0	0.052	0.032				26.8	0.070	
20.0	0.032	0.070	0.175	0.004		27.3	0.530	
30.0	0.029	0.105	0.170	0.007		27.4	0.170	
50.0	0.039	0.060	0.187	0.013		27.0	0.430	134.0
75.0	0.120	0.060	0.215	0.011	0.375	27.3	1.180	135.4

DEPTH	PHEN	CHLORA
1.0	0.007	3.07
10.0		
20.0		
30.0		
50.0		
75.0		

C-REF-NO 005
CONS. NO 050
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 13
TIME 0232

NO. DEPTHS 03
SOUNDING 0220
BT SLIDE NO 073

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		17.86	0.9	317	2.3	8.570	90.0	9.70
10.0		9.92	0.7	330		8.130		9.70
20.0		8.58	0.5	340	2.2	7.840	92.0	8.80

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.050	0.030			0.350	26.9	0.330	131.8
10.0	0.035	0.065	0.095	0.003		27.4	0.220	
20.0	0.036	0.063	0.125	0.004	0.350	26.5	0.570	135.1

DEPTH	PHEN	CHLORA
1.0		3.11
10.0		
20.0		

C-REF-NO 005
CONS. NO 051
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 13
TIME 0414

NO. DEPTHS 05
SOUNDING 0430
BT SLIDE NO 074

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		18.99	1.8	315	2.9	8.760	85.0	10.10
10.0		17.47	2.0	320		8.610		10.20
20.0		10.30	0.9	335		8.270		10.20
30.0		7.38	0.7	332		8.120		10.00
41.0		5.39	2.5	332	3.6	8.060	87.0	10.10

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.100	0.030			0.400	27.8		129.7
10.0	0.062	0.025				28.1		
20.0	0.024	0.067	0.095	0.004		28.6		
30.0	0.019	0.062	0.150	0.005		28.0		
41.0	0.088	0.052	0.212	0.010	0.400	26.9		135.6

DEPTH	PHEN	CHLORA
1.0		4.93
10.0		
20.0		
30.0		
41.0		

C-REF-NO 005
CONS. NO 052
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 13
TIME 0506

NO. DEPTHS 06
SOUNDING 0620
BT SLIDE NO 075

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		19.01	1.3	318	3.6	8.780	86.0	10.80
10.0		15.31	1.7	320		8.600		11.10
20.0		7.82	0.6	328		8.250		11.50
30.0		4.96	0.4	325		8.170		12.00
50.0		4.30	0.5	327	1.0	8.240	88.0	12.30
60.0		4.14	3.2	333	4.5	8.080	87.0	11.10

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.100	0.032			0.480	28.0	0.180	
10.0	0.065	0.027				28.2	0.040	
20.0	0.033	0.033	0.157	0.004		27.2	0.120	
30.0	0.024	0.055	0.180	0.007		25.9	0.220	
50.0	0.034	0.012	0.185	0.013	0.320	25.8	0.330	133.2
60.0	0.040	0.023	0.208	0.013	0.310	26.0	0.810	134.9

DEPTH	PHEN	CHLORA
1.0	0.008	4.58
10.0		
20.0		
30.0		
50.0		
60.0		

C-REF-NO 005
CONS. NO 053
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 13
TIME 0559

NO. DEPTHS 07
SOUNDING 0960
BT SLIDE NO. 076

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		19.03	1.2	318	3.5	8.730	88.0	10.10
10.0		16.02	1.4	323		8.530		9.60
20.0		7.41	0.6	328		8.730		11.40
30.0		4.17	0.3	325		8.210		12.40
50.0		3.96	0.4	325	2.4	8.220	90.0	12.50
75.0		3.89	0.6	329		8.220		12.40
95.0		3.85	7.0	325	604.4	8.100	73.0	11.30

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.034	0.082			0.600	26.2	0.530	130.8
10.0	0.062	0.030		0.001		26.4	0.380	
20.0	0.022	0.072		0.003		26.4	0.330	
30.0	0.060	0.040		0.012		25.7	0.450	
50.0	0.032	0.052		0.010	0.350	25.7	0.490	133.6
75.0	0.054	0.025		0.009		25.9	0.490	
95.0	0.022	0.055				28.4	1.100	135.2

DEPTH	PHEN	CHLORA
1.0	0.009	3.54
10.0		
20.0		
30.0		
50.0		
75.0		
95.0		

C-REF-NO 005
CONS. NO 054
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 13
TIME 0701

NO. DEPTHS 09
SOUNDING 1590
BT SLIDE NO 077

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		19.57	1.0	320	2.9	8.740	89.0	9.50
10.0		18.90	0.9	318		8.740		9.80
20.0		7.37	0.5	323		8.310		11.80
30.0		4.86	0.3	327		8.220		12.30
50.0		4.15	0.2	327	0.4	8.200	95.0	12.30
75.0		3.90	0.3	334		8.210		12.50
99.0		3.85	0.7	322		8.210		12.50
149.0		3.68	0.5	322		8.250		12.30
156.0		3.69	0.4	329	2.2	8.230	89.0	12.00

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.059	0.025			0.400	28.6	0.180	129.8
10.0	0.038	0.030				28.5	0.100	
20.0	0.029	0.040		0.003		27.3	0.200	
30.0	0.030			0.005		27.3	0.380	
50.0	0.040			0.004	0.300	27.3	0.410	133.1
75.0	0.037	0.026		0.005		27.2	0.400	
99.0	0.050	0.030		0.005		27.2	0.440	
149.0	0.045	0.030		0.003		27.2	0.480	
156.0	0.048	0.037		0.003		27.2	0.550	133.6

DEPTH	PHEN	CHLORA
1.0		1.62
10.0		
20.0		
30.0		
50.0		
75.0		
99.0		
149.0		
156.0		

C-REF-NO 005
CONS. NO 055
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 13
TIME 0818

NO. DEPTHS 09
SOUNDING 1760
BT SLIDE NO 078

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	02 W
1.0		18.88	1.2	317	3.1	8.760	89.0	9.90
10.0		15.05	1.0	320		8.610		9.80
20.0		11.19	0.9	325		8.400		10.10
30.0		7.02	0.3	325		8.340		12.00
50.0		3.98	0.3	323	4.0	8.230		12.40
75.0		3.90	0.3	324		8.240		12.80
100.0		3.88	0.4	319		8.240		12.60
150.0		3.76	0.5	325		8.260		12.70
174.0		3.69	0.4	336	1.4	8.250	91.0	12.10

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.100	0.068		0.001		27.3	0.440	130.3
10.0	0.072	0.070		0.002		26.5	0.310	
20.0	0.039	0.074		0.003		26.4	0.350	
30.0	0.032	0.074		0.004		26.8	0.400	
50.0	0.040	0.062		0.007	0.250	26.3	0.550	
75.0	0.030	0.020		0.007		26.2	0.440	
100.0	0.036	0.025		0.007		26.1	0.580	
150.0	0.035	0.022		0.006		26.1	0.600	
174.0	0.058	0.022		0.007	0.240	26.2	1.080	134.0

DEPTH	PHEN	CHLORA
1.0	0.004	3.70
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
150.0		
174.0		

C-REF-NO 005
CONS. NO 056
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 13
TIME 0914

NO. DEPTHS 05
SOUNDING 0350
BT SLIDE NO 079

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0		19.97	1.4		3.6	8.740	82.0	9.90
10.0		19.90	1.4			8.720		9.80
20.0		15.69	0.8			8.490		9.20
30.0		5.62	0.6			8.150		11.30
33.0		5.42	0.7		1.8	8.180	91.0	11.20

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.080	0.049		0.001	0.400	26.6	0.510	128.8
10.0	0.075	0.052		0.001		26.6	0.470	
20.0	0.048	0.102		0.002		26.5	0.230	
30.0	0.047	0.065		0.009		26.2	0.540	
33.0	0.040	0.047		0.009	0.310	26.2	0.570	134.4

DEPTH	PHEN	CHLORA
1.0	0.007	6.03
10.0		
20.0		
30.0		
33.0		

C-REF-NO 005
CONS. NO 057
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 13
TIME 1051

NO. DEPTHS 04
SOUNDING 0360
BT SLIDE NO 080

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	3.0	19.56	2.1	313	4.5	8.790	85.0	10.30
10.0		19.52	1.5	315		8.770		10.40
20.0		15.88	1.5	331		8.530		9.50
34.0		5.42	0.9	329	2.9	8.220	88.0	11.00

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.088	0.062		0.002	0.550	27.5	0.660	128.6
10.0	0.028	0.043		0.001		26.9	0.790	
20.0	0.026	0.065	0.024	0.003		28.8	0.310	
34.0	0.026	0.062	0.210	0.011	0.320	26.9	0.820	133.5

DEPTH	PHEN	CHLORA
1.0	0.007	5.48
10.0		
20.0		
34.0		

C-REF-NO 005
CONS. NO 058
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 13
TIME 1212

NO. DEPTHS 04
SOUNDING 0280
BT SLIDE NO 081

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	02 W
1.0	3.0	19.60	1.3	316	4.5	8.690	88.0	10.70
10.0		19.58	1.4	318		8.740		9.80
20.0		15.59	0.7	322		8.610		9.70
26.0		13.67	0.6	324	2.2	8.480	85.0	9.80

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.038	0.048		0.001	0.425	28.0	0.220	128.7
10.0	0.023	0.033		0.001		28.0	0.610	
20.0	0.026	0.090		0.001		26.4	0.250	
26.0	0.018	0.085	0.036	0.003	0.350	26.5	0.310	130.6

DEPTH	PHEN	CHLORA
1.0	0.007	5.69
10.0		
20.0		
26.0		

C-REF-NO 005
CONS. NO 059
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 13
TIME 1327

NO. DEPTHS 05
SOUNDING 0390
BT SLIDE NO 082

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	02 W
1.0	3.0	17.53	1.3	322		8.660	83.0	9.60
10.0		17.43	1.5	322		8.650		9.60
20.0		15.05	0.8	321		8.560		9.70
30.0		9.71	0.7	335		8.250		10.10
37.0		8.47	1.3	337		8.070		8.90

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.060	0.061		0.002	0.400	28.2	0.300	129.9
10.0	0.032	0.045		0.001		27.7	0.240	
20.0	0.023	0.076	0.022	0.002		26.4	0.250	
30.0	0.020	0.075	0.098	0.010		27.7	0.260	
37.0	0.018	0.090	0.140	0.007	0.350	27.5	0.560	

DEPTH	PHEN	CHLORA
1.0	0.009	5.81
10.0		
20.0		
30.0		
37.0		

C-REF-NO 005
CONS. NO 060
COUNTRY 16
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 13
TIME 1437

NO. DEPTHS 04
SOUNDING 0250
BT SLIDE NO 084

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	02 W
1.0	3.0	19.57	1.4	320		8.610	86.0	9.20
10.0		19.47	1.4	323		8.640		9.10
20.0		14.47	1.1	327		8.470		9.40
23.0		13.18	1.3	340		8.250		8.30

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.053	0.050		0.002	0.440	27.7	0.200	130.1
10.0	0.042	0.050		0.005		27.8	0.130	
20.0	0.024	0.090	0.026			28.0	0.170	
23.0	0.025	0.088	0.056		0.390	28.9	0.450	

DEPTH	PHEN	CHLORA
1.0	0.003	12.75
10.0		
20.0		
23.0		

C-REF-NO 005
CONS. NO 061
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 13
TIME 1626

NO. DEPTHS 04
SOUNDING 0240
BT SLIDE NO 085

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	02 W
1.0	2.0	19.11	1.9	319		8.680	89.0	9.80
10.0		16.09	1.8	319		8.540		9.50
20.0		11.61	1.1	329		8.360		9.80
22.0		10.01	1.0	330		8.300		9.80

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.052	0.050		0.002		27.5	0.240	131.0
10.0	0.033	0.040		0.002		27.3	0.260	
20.0	0.026	0.085	0.068	0.004		28.3	0.100	
22.0	0.016	0.069	0.078	0.004		28.0	0.150	

DEPTH	PHEN	CHLORA
1.0	0.007	6.25
10.0		
20.0		
22.0		

C-REF-NO 005
CONS. NO 062
COUNTRY 18
INSTITUTE 22

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

YEAR 1967
MONTH 07
DAY 13
TIME 1726

NO. DEPTHS 05
SOUNDING 0380
BT SLIDE NO 086

DEPTH	SECCHI	TEMP	TURB	SP CON	NF RES	PH 25	TC ALK	O2 W
1.0	2.0	18.77	2.3	320		8.670		9.80
10.0		18.06	2.0	325		8.670		9.70
20.0		7.84	0.8	319		8.160		9.70
30.0		6.79	0.6	323		8.100		10.00
35.0		5.89	1.2	317		8.050		9.50

DEPTH	R PO4	NH3	NO3 NF	NO2 NF	TKJ N	CL	R SIO2	HARD
1.0	0.051	0.032		0.001		26.4	0.100	
10.0	0.030	0.028		0.002		26.1	0.130	
20.0	0.025	0.071	0.132	0.004		26.0	0.270	
30.0	0.017	0.062	0.146	0.007		26.0	0.310	
35.0	0.024	0.064	0.170	0.006		26.0	0.690	

DEPTH	PHEN	CHLORA
1.0	0.004	5.45
10.0		
20.0		
30.0		
35.0		