1966

LIMNOLOGICAL DATA REPORT NO. 5

LAKE ONTARIO

CRUISE 66 - 6, JULY 4 - 10

PUBLISHED BY
CANADIAN OCEANOGRAPHIC DATA CENTRE

CANADA CENTRE FOR INLAND WATERS

BURLINGTON, ONTARIO

Programmed by

GREAT LAKES DIVISION

INLAND WATERS BRANCH

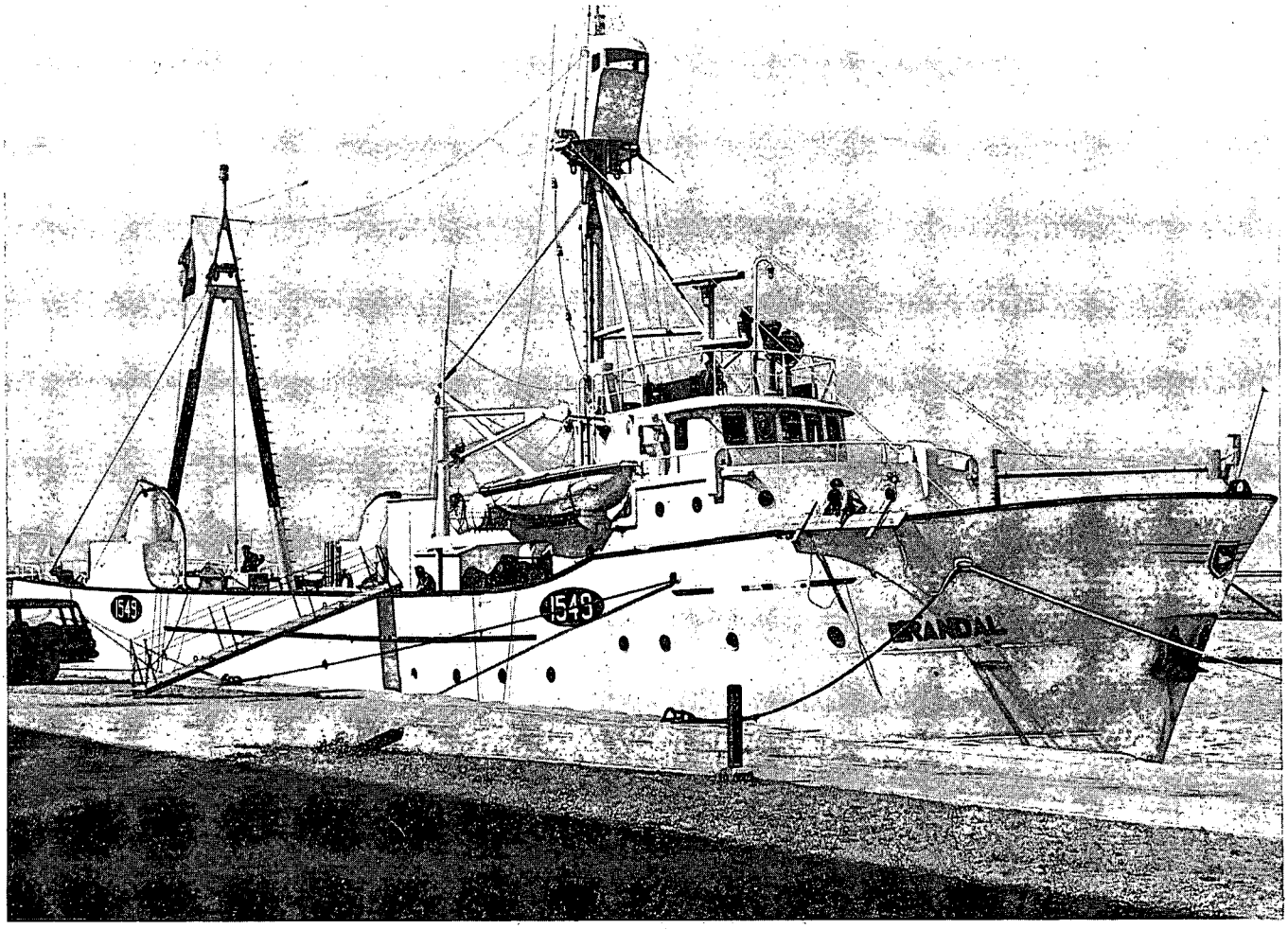
DEPARTMENT of ENERGY, MINES & RESOURCES

and

PUBLIC HEALTH ENGINEERING DIVISION

DEPARTMENT of NATIONAL HEALTH & WELFARE

CANADA



M.V. "Brandal"

CANADA

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CANADA CENTRE FOR INLAND WATERS
BURLINGTON, ONTARIO

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CANADIAN OCEANOGRAPHIC DATA CENTRE
1969

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 and Lake Erie, observed by Government of Canada agencies. The first twelve reports cover the year 1966, during which Lake Ontario was surveyed from June 1 to October 3, and Lake Erie, from August 8 to August 14.

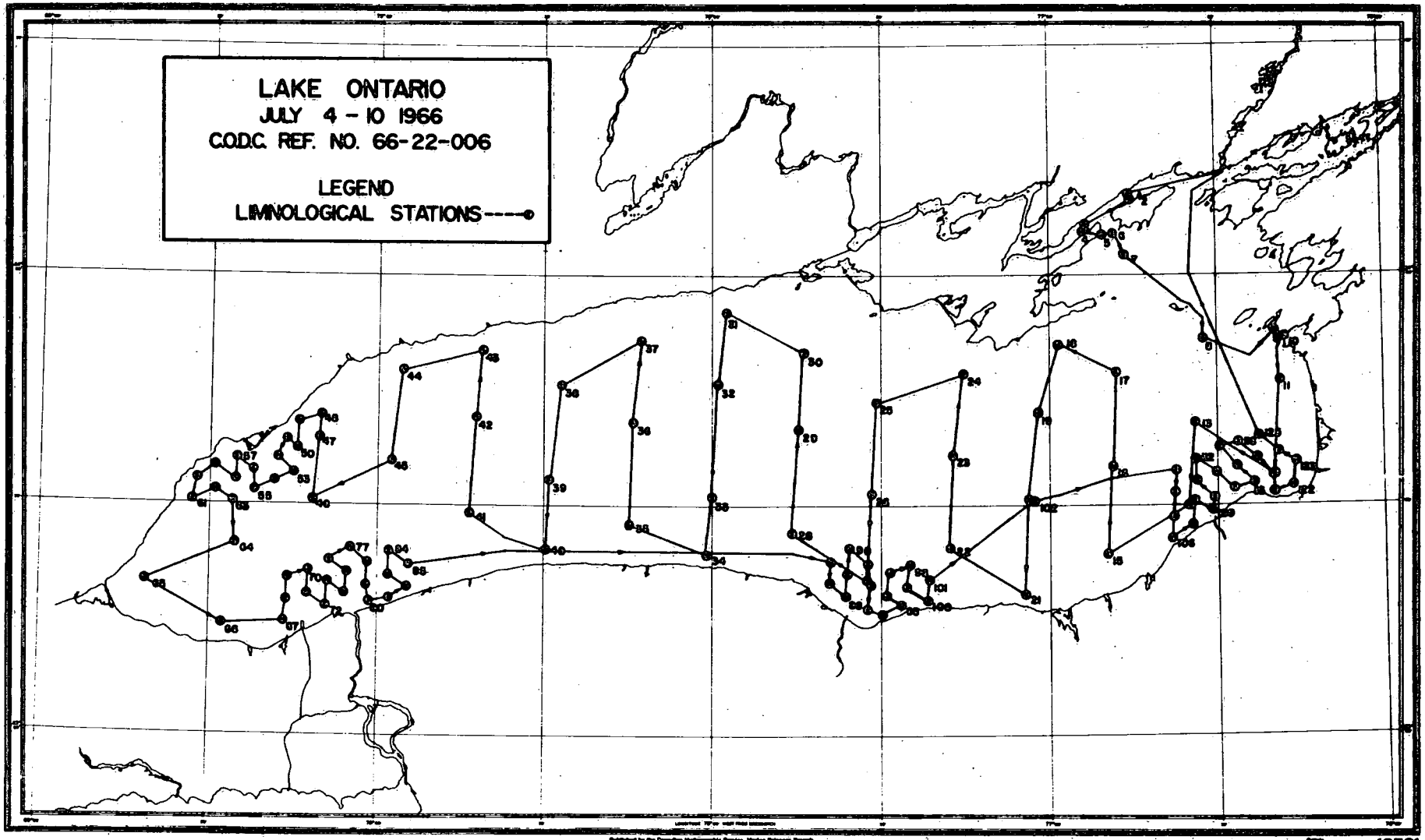
The 1966 surveys were carried out by the Great Lakes Division (Inland Waters Branch) and the Canadian Hydrographic Service (Marine Sciences Branch), both of which are Branches of the Department of Energy, Mines and Resources, and by the Public Health Engineering Division of the Department of National Health and Welfare. Staff from the three agencies carried out the work aboard the 140-foot stern trawler "Brandal", chartered by the Department of Energy, Mines and Resources.

Water-quality data gathered during eighteen cruises in 1966 are contained in twelve separate reports in the present series. Not reported on is a nineteenth cruise, from August 23 to 28, which was for seismic purposes only. 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. 67-1 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.

Figure 1 shows the geographical locations of the observations listed in this data record, together with the vessel's track and the locations of bathythermograph lowerings.


LAKE ONTARIO
JULY 4 - 10 1966
C.O.D.C. REF. NO. 66-22-006
LEGEND
LIMNOLOGICAL STATIONS

10501

Summary of the cruises and data listed in Data Reports Nos. 1 to 12. (An "X" indicates that the parameter is reported for one or more stations in the particular cruise).

Data Report No.	1		2	3	4	5	6	
Cruise No.	66-1	66-2	66-3	66-4	66-5	66-6	66-7	66-8
Dates (1966)	June 1 -June 5	June 7 -June 10	June 15 -June 19	June 21 -June 25	June 26 -June 30	July 4 -July 10	July 12 -July 15	July 19 -July 24
Cruise type	Physical	Monitor	Physical	Monitor	Coastal	Monitor	Geology	Monitor
Lake	Ontario	Ontario	Ontario	Ontario	Ontario	Ontario	Ontario	Ontario
Vessel	Brandal	Brandal	Brandal	Brandal	Brandal	Brandal	Brandal	Brandal
No. of stations	35	39	107	88	113	125	75	88
No. of BT slides	133	39	120	88	115	125	76	116
Station data:								
Date/time	X	X	X	X	X	X	X	X
Sounding	X	X	X	X	X	X	X	X
BT slide no.	X	X	X	X	X	X	X	X
Secchi depth	X	X	X	X	X	X		X
Sample depth	X	X	X	X	X	X	X	X
Temperature	X	X	X	X	X	X		X
Conductance, 18°C.	X	X		X	X	X	X	X
Dissolved oxygen				X	X	X	X	X
pH at 25°C.				X	X	X	X	X
Turbidity					X			X
B.O.D.						X		X
Total alkalinity		X		X	X	X		X
Hardness					X	X		X
Chloride					X	X		X
Nitrate + nitrite								
Nitrite				X	X	X		X
Reactive phosphate								
Phenol					X	X		X
Total residue								
MF coliforms	X	X		X	X	X		X
MF enterococci	X	X		X	X	X		X
20°C standard plate count		X			X	X		X
35°C standard plate count		X			X	X		X

7		8	9		10		11	12	
66-9	66-10	66-11	66-12	66-14	66-15	66-16	66-17	66-18	66-19
July 26 -July 29	Aug. 2 -Aug. 7	Aug. 8 -Aug. 14	Aug. 15 -Aug. 19	Aug. 29 -Sept. 2	Sept. 6 -Sept. 11	Sept. 12 -Sept. 16	Sept. 20 -Sept. 24	Sept. 26 -Sept. 29	Oct. 1 -Oct. 3
Physical Ontario Brandal	Monitor Ontario Brandal	Monitor Erie Brandal	Monitor Ontario Brandal	Monitor Ontario Brandal	Geology Ontario Brandal	Monitor Ontario Brandal	Coastal Ontario Brandal	Monitor Ontario Brandal	Physical Ontario Brandal
62	79	105	69	47	92	54	109	47	45
105	106	97	96	70	92	81	109	72	94
X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X
X	X	X	X	X		X	X	X	X
X	X	X	X	X	X	X	X	X	X
X	X	X	X	X		X	X	X	X
	X	X	X	X	X	X	X	X	
	X	X	X	X	X	X	X	X	X
	X	X	X	X	X	X	X	X	
	X	X	X	X	X	X	X	X	
	X	X	X	X		X	X	X	
	X	X	X	X		X	X	X	
	X	X	X	X		X	X	X	
	X	X	X	X		X	X	X	
		X	X	X		X	X	X	
	X	X	X	X		X	X	X	
	X	X	X	X		X	X	X	
	X	X	X	X		X	X	X	
	X	X	X	X		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 1966 cruises are numbered consecutively from 01 to 19, without regard for the lake involved. (In following years, consecutive numbers will be assigned to each lake separately).

(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 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	1966 processing code	1967 (Star System) code
Secchi depth	SECCHI	meters	1	026	030
Sample depth	DEPTH	meters	1	998	001
Temperature	TEMP	°C	2	004	100
Conductance, 18°C.	CON 18	µmhos	0	014	no equivalent
Dissolved oxygen	D 02	mg/L	2	003	245
pH at 25°C.	PH 25	pH units	3	055	215
Turbidity	TURB	Jackson units	1	015	123
B.O.D.	BOD	mg O_2/L/5 days	1	001	239
Total alkalinity	T ALK	mg $CaCO_3$/L	1	051	220
Hardness	HARD	mg $CaCO_3$/L	1	050	300
Chloride	CL	mg/L	1	057	290
Nitrate + nitrite	NO3NO2	mg N/L	3	022	275
Nitrite	NO2	mg N/L	3	021	273
Reactive phosphate	R PO4	mg PO_4/L	3	028	262
Phenol	PHEN	mg C_6H_5OH/L	3	024	410
MF coliforms	MF COL	colonies/100 ml.	*	080	700
MF enterococci	MF ENT	colonies/100 ml.	*	084	706
20°C standard plate count	SPC 20	colonies/ml.	*	082	720
35°C standard plate count	SPC 35	colonies/ml.	*	083	721

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

130E02 = 1.30 X 10^2 = 130.
100E00 = 1.00 X 10^0 = 1.
000E00 = 0.00 X 10^0 = 0.

* Exponential Notation

Note: For some parameters, the analytical methods listed in the Star System manual (Glennie and MacLeod 1967, pp. 23-33) are not the methods used for Data Reports Nos. 1-12.

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. (I.J.C. agencies 1966, pp 88-90).

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

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

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

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

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

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

Storage conditions for the chemical samples Most of the analyses reported here were done in the ship's laboratory and were completed within about 12 hours after sampling.

Conductance at 18°C - The electrical conductance was measured at laboratory temperature with an "Industrial Instruments" Model RC 16 B2 bridge and a dip cell with cell constant 1.00. At the time of the measurement, the temperature of the sample was measured with a mercury thermometer and recorded to the nearest 0.1°C. These temperature readings varied throughout the survey period, with a range of from 15 to 28°C.

Conductance at 18.0°C listed in the Data Reports Nos. 1 to 12, was computed from Dr. G.K. Rodgers' correction tables for Great Lakes Waters (I.J.C. agencies 1966, p. 51). However, 25°C will be the reference temperature used in future data reports in this series. To convert the conductance at 18.0°C to conductance at 25.0°C, multiply by 1.176.

Dissolved oxygen was measured using the Winkler iodometric method. One milliliter of each reagent was added to each sample. In 1966, the alkaline iodide solution contained 700 grams potassium hydroxide and 150 grams potassium iodide per liter. Azide was not used. (I.J.C. agencies 1968, pp. 67-78).

Oxygen percent saturation may be computed (Dobson 1967) from the measured oxygen concentration and the temperature, using the following equations:

Oxygen percent saturation (Lake Erie and upper Great Lakes)

$$= \frac{100 \text{ (oxygen in mg/L)}}{(14.380 - 0.4105\ T + 0.008800\ T^2 - 0.00009500\ T^3)} \%$$

Oxygen percent saturation (Lake Ontario)

$$= \frac{98.8 \text{ (oxygen in mg/L)}}{(14.380 - 0.4105 + 0.008800\ T^2 - 0.00009500\ T^3)} \%$$

A graph showing percent saturation as a function of oxygen concentration and temperature, according to either of these equations, provides a convenient way to evaluate percent saturation.

pH The pH is an approximate measure of $(-\log H^+)$ where H^+ is the hydrogen ion concentration.

pH	H^+	
7.0	$100. \times 10^{-9}$	gm atoms/liter
7.2	$63. \times 10^{-9}$	gm atoms/liter
7.5	$32. \times 10^{-9}$	gm atoms/liter
8.0	$10. \times 10^{-9}$	gm atoms/liter
8.2	6.3×10^{-9}	gm atoms/liter
8.5	3.2×10^{-9}	gm atoms/liter
9.0	1.0×10^{-9}	gm atoms/liter

Samples were analysed for pH about 10 to 20 hours after sampling. Changes in pH during the storage interval were probably ±0.1 to 0.3 pH units.

The pH near 25°C was measured using a Corning Model 10 meter, and glass and reference electrodes, calibrated with pH 7.4 (phosphate) and pH 9.2 (borax) standard solution. (I.J.C. agencies 1966, pp. 112-120).

Turbidity was measured within 24 hours after sampling, using a Hellige turbidimeter.

B.O.D. (Biochemical oxygen demand) One-liter samples were stored for a few hours so that they attained laboratory temperature. Then air was bubbled through each sample to produce oxygen concentrations near the equilibrium value for that temperature. Two 300-ml B.O.D. bottles were filled from each sample by means of a siphon. Dissolved oxygen in the sample of one of the B.O.D. bottles was measured immediately by the Winkler method. The sample in the other bottle was stored in the dark at 20°C, and after 5 days, its final oxygen concentration was measured. The "B.O.D." was the difference between the initial and final oxygen concentrations. A water seal was maintained around the top of each bottle during incubation. The dilution and seeding procedures of the American Public Health Association (1965, p. 415), were not included.

Alkalinity was measured using an Auto-Analyzer colorimetric instrument system. Samples were mixed with a buffered acidic methyl orange indicator solution. The final color was measured at 550 millimicrons. Standard solutions contained sodium bicarbonate. (I.J.C. agencies 1968, pp. 34-36). The unit for alkalinity in this report is mg $CaCO_3$/liter. The constituents reacting with the hydrogen ion during the alkalinity measurement were assumed to be CO_3^{-2}, and an equivalent amount of Ca^{++} was arbitrarily assumed to be present. Actually most of the alkalinity in Great Lakes waters is HCO_3^-. Conversion factor for alkalinity: 1 mg $CaCO_3$/liter = 1.219 mg HCO_3^-/liter.

Hardness ($Ca^{++} + Mg^{++}$) was measured using an Auto-Analyzer. The sample was mixed with disodium magnesium EDTA + disodium EDTA, then with Eriochrome Black T + pH 10.3 buffer. The resulting color was measured at 520 millimicrons. Standard solutions contained calcium. (I.J.C. agencies 1966, pp. 91-93). Lake-water samples contained some magnesium as well as calcium. The conventional unit, mg $CaCO_3$/L, used in Data Reports Nos. 1 to 12, gives information for ($Ca^{++} + Mg^{++}$), but not for Ca^{++} or CO_3^{-2}. Conversion factor for hardness: 1 mg $CaCO_3$/L = 0.0200 milli-equivalents ($Ca^{++} + Mg^{++}$)/L.

Chloride was measured using an Auto-Analyzer. Unfiltered samples were mixed with ferric ammonium sulfate + nitric acid + mercuric thiocyanate. The resulting color was measured at 480 millimicrons. (I.J.C. agencies 1966, pp. 97-98).

Nitrate + nitrite was measured using an Auto-Analyzer. Samples were not filtered. Nitrate was reduced to nitrite by adding sodium hydroxide, hydrazine sulfate, and copper sulfate. The mixture was passed through a 38°C heating bath. Then total nitrite was measured by adding orthophosphoric acid + sulfanilamide + N-(1-naphthyl) ethylenediamine dihydrochloride, and measuring the resulting color at 520 millimicrons. (I.J.C. agencies 1966, pp. 102-104).

(NO_3 + NO_2) was sampled on cruises 5, 6, 8 and 10, but the results for the 4°C water in Lake Ontario on those cruises were near 0.5 mg N/L, about $2\frac{1}{2}$ times the values found on cruise 66-12 and subsequent cruises in 1966 and 1967. The (NO_3 + NO_2) results for cruise 5, 6, 8 and 10 are probably in error and have been omitted from these final Data Reports. The (NO_3 + NO_2) data for cruise 66-11 on Lake Erie include values near 0.1 mg N/L for the eastern bottom water, which is in agreement with the 1967 data. Therefore the (NO_3 + NO_2) data from cruise 66-11 are probably correct, and have been printed in Data Report No. 8. For cruise 66-12 and following cruises on Lake Ontario, the (NO_3 + NO_2) data for the 4°C water have values near 0.2 mg N/L, which is also in agreement with 1967 results. Therefore the data for cruise 66-12 and later cruises are probably correct, and are included in the final Data Reports.

Nitrite Nitrite in unfiltered samples was measured, using an Auto-Analyzer, by adding sodium hydroxide + ortho-phosphoric acid + sulfanilamide + N-(1-naphthyl) ethylenediamine dihydrochloride. The resulting color was measured at 520 millimicrons. (I.J.C. agencies 1966, pp. 102-104).

Reactive phosphate Phosphate in unfiltered samples was measured, using an Auto-Analyzer, by adding ammonium molybdate + hydrochloric acid + stannous chloride, and measuring the resulting color at 660 millimicrons. (I.J.C. agencies 1966, pp. 94-96).

Ammonia was measured during 1966 on cruises 8, 10, 11, 12, 14, 16, 17 and 18. The maximum value was .072 mg N/L. There were very many results of .000 mg N/L, except for cruise 10 for which the minimum was .020 mg N/L. There was no obvious spatial distribution of the higher values. These data have not been included in the Data Reports Nos. 1 to 12.

Phenol and related substances. The pH of the sample was adjusted to 4.0 by adding ortho-phosphoric acid, and copper sulfate was also added, immediately after sampling. Analyses were done up to one week later. The sample was distilled, and phenol in the distillate was measured by adding ammonium chloride; then, ammonium hydroxide (to produce pH 10.0 ± 0.2), 4-aminoantipyrine and potassium ferricyanide were also added. The resulting color was extracted into chloroform and measured at 460 millimicrons (American Public Health Association 1965, pp. 516-520, distillation step and method A).

Storage conditions for bacteriological samples The analyses began within one or two hours after sampling, except for samples collected between midnight and 7.30 a.m. These night-time samples were stored at 10°C for up to 8 hours before their analyses commenced.

Total 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 (American Public Health Association 1965, p. 616, Method A).

Fecal Streptococcus density determinations were obtained by membrane filtration techniques using Bacto-m Enterococcus Agar. Membranes were

incubated at 39°C for 48±3 hours (American Public Health Association 1965, p. 619).

20°C and 35°C Standard Plate Counts were made using 1 ml samples mixed with liquified (45°C) Bacto-Plate Count Agar, allowed to solidify and then incubated at 20°C for 48±3 hours or at 35°C for 24±2 hours. (American Public Health Association 1965, p. 592).

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

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

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

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CRUISE 66-6, LAKE ONTARIO

C-REF-NO 006	LAT 44-10-33N	YEAR 1966	NO. DEPTHS 02
CONS. NO 001	LON 076-45-45W	MONTH 07	SOUNDING 0015
COUNTRY 18		DAY 04	BT SLIDE NO 001
INSTITUTE 22		TIME 1820	

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	2.3	21.66	259	9.30	8.640		1.9	90.0
10.0		18.66	276	8.74	8.170		1.8	87.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	132.0	20.5	0.079	0.001			200E00	
10.0	128.0	26.0	0.172	0.003			200E00	

DEPTH	SPC 20	SPC 35
1.0	270E02	500E01
10.0		

C-REF-NO 006
CONS. NO 002
COUNTRY 18
INSTITUTE 22

LAT 44-09-54N
LON 076-45-06W

YEAR 1966
MONTH 07
DAY 04
TIME 1850

NO. DEPTHS 04
SOUNDING 0040
BT SLIDE NO 002

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	2.8	20.38	262	9.96	8.600		2.2	93.0
10.0		17.31	275	9.10	8.100		1.6	94.0
20.0		10.72	276	8.89	8.040		0.7	76.0
30.0		8.93	274	8.62	7.810		1.2	92.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	134.0	24.0	0.088	0.002			200E00	
10.0	131.0	25.0	0.157	0.003			100E00	
20.0	134.5	27.5	0.349	0.011			000E00	
30.0	137.0	24.5	0.373	0.012			100E00	000E00

DEPTH	SPC 20	SPC 35
1.0	310E02	300E01
10.0		
20.0		
30.0	140E02	400E01

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

LAT 44-06-36N
LON 076-53-18W

YEAR 1966
MONTH 07
DAY 04
TIME 2001

NO. DEPTHS 03
SOUNDING 0024
BT SLIDE NO 003

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	2.0	21.77	256	10.60	8.650		2.6	98.0
10.0		15.86	276	10.08	8.280		1.7	93.0
15.0		12.67	276	8.77	8.100		1.5	94.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	134.5	20.0	0.094	0.001			000E00	000E00
10.0	131.5	26.0	0.123	0.002			200E00	
15.0	134.0	26.5	0.261	0.004			100E00	

DEPTH	SPC 20	SPC 35
1.0	110E02	900E01
10.0		
15.0		

C-REF-NO 006
CONS. NO 004
COUNTRY 18
INSTITUTE 22

LAT 44-05-51N
LON 076-53-30W

YEAR 1966
MONTH 07
DAY 04
TIME 2032

NO. DEPTHS 04
SOUNDING 0046
BT SLIDE NO 004

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	2.0	19.52	257	10.92	8.560		2.1	95.0
10.0		12.13	272	8.17	7.940		1.2	95.0
20.0		10.18	270	8.40	7.920		1.2	94.0
30.0		8.56	269	9.27	7.950		0.2	95.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	134.5	19.5	0.074	0.001			300E00	
10.0	133.0	23.0	0.332	0.008			100E00	
20.0	134.0	24.0	0.246	0.004			000E00	
30.0	132.0	22.5	0.360	0.015			000E00	000E00

DEPTH	SPC 20	SPC 35
1.0	280E02	700E01
10.0		
20.0		
30.0	180E02	700E01

C-REF-NO 006	LAT 44-05-18N	YEAR 1966	NO. DEPTHS 02
CONS. NO 005	LON 076-49-57W	MONTH 07	SOUNDING 0013
COUNTRY 18		DAY 04	BT SLIDE NO 005
INSTITUTE 22		TIME 2136	

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	3.0	20.62	266	10.26	8.610		1.4	92.0
10.0		15.80	276	10.70	8.330		1.7	92.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	133.5	24.0	0.079	0.001			300E00	
10.0	132.5	26.5	0.137	0.003			300E00	

DEPTH	SPC 20	SPC 35
1.0	120E02	400E01
10.0		

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

LAT 44-05-21N
LON 076-48-03W

YEAR 1966
MONTH 07
DAY 04
TIME 2211

NO. DEPTHS 02
SOUNDING 0015
BT SLIDE NO 006

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	4.8	21.32	269	10.47	8.710		1.7	91.0
10.0		19.22	272	10.28	8.600		1.8	90.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	134.0	26.0	0.084	0.001			100E00	000E00
10.0	133.5	26.5	0.094	0.001			200E00	

DEPTH	SPC 20	SPC 35
1.0	160E02	400E01
10.0		

C-REF-NO 006	LAT 44-02-45N	YEAR 1966	NO. DEPTHS 03
CONS. NO 007	LON 076-46-03W	MONTH 07	SOUNDING 0032
COUNTRY 18		DAY 04	BT SLIDE NO 007
INSTITUTE 22		TIME 2308	

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	4.0	22.04	267	10.47	8.800			92.0
10.0		10.97	277	10.48	8.140			93.0
20.0		9.35	281	9.64	8.000			94.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	132.5	24.5	0.079	0.001			000E00	
10.0	133.0	26.0	0.222	0.003			000E00	
20.0	134.5	27.5	0.396	0.004			100E00	

DEPTH	SPC 20	SPC 35
1.0	440E01	800E00
10.0		
20.0		

C-REF-NO 006	LAT 43-51-45N	YEAR 1966	NO. DEPTHS 03
CONS. NO 008	LON 076-32-12W	MONTH 07	SOUNDING 0030
COUNTRY 18		DAY 05	BT SLIDE NO 008
INSTITUTE 22		TIME 0054	

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		23.52	280	10.52	8.000			86.0
10.0		16.52	283	9.50	8.090			90.0
20.0		10.99	303	9.67	7.250			91.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	128.0	28.0	0.079	0.001			600E00	000E00
10.0	134.0	29.5	0.133	0.002			200E00	
20.0	136.0	27.5	0.346	0.004			100E00	

DEPTH	SPC 20	SPC 35
1.0	200E01	100E01
10.0		
20.0		

C-REF-NO 006	LAT 43-52-24N	YEAR 1966	NO. DEPTHS 03
CONS. NO 009	LON 076-19-24W	MONTH 07	SOUNDING 0026
COUNTRY 18		DAY 05	BT SLIDE NO 009
INSTITUTE 22		TIME 0217	

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		22.78	274	10.12	8.790			87.0
10.0		20.65	277	9.70	8.700			88.0
20.0			278	8.22				89.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	131.5	29.5	0.084	0.001			100E00	000E00
10.0	133.0	30.0	0.119	0.001			700E00	
20.0	134.0	30.0	0.144	0.001			100E00	

DEPTH	SPC 20	SPC 35
1.0		
10.0		
20.0		

C-REF-NO 006
CONS. NO 010
COUNTRY 18
INSTITUTE 22

LAT 43-51-54N
LON 076-18-00W

YEAR 1966
MONTH 07
DAY 05
TIME 0250

NO. DEPTHS 04
SOUNDING 0040
BT SLIDE NO 010

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		22.21	274	9.97	8.720			87.0
10.0		19.98	276	9.59	8.570			89.0
20.0		9.62	276	11.70	8.290			91.0
30.0		6.98	280	11.10	8.080			91.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	132.0	29.5	0.099	0.001			400E00	000E00
10.0	134.0	29.0	0.104	0.001			300E00	
20.0	134.5	28.0	0.283	0.002			100E00	
30.0	135.0	27.5	0.477	0.003			000E00	000E00

DEPTH	SPC 20	SPC 35
1.0	350E01	100E01
10.0		
20.0		
30.0	250E01	400E00

C-REF-NO 006	LAT 43-46-06N	YEAR 1966	NO. DEPTHS 03
CONS. NO 011	LON 076-18-48W	MONTH 07	SOUNDING 0035
COUNTRY 18		DAY 05	BT SLIDE NO 011
INSTITUTE 22		TIME 0345	

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		23.72	272	10.26	8.840			86.0
10.0		16.30	272	10.58	8.530			89.0
20.0		8.06	276	11.76	8.170			89.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	132.0	29.0	0.064	0.001			100E00	000E00
10.0	133.5	27.5	0.089	0.001			000E00	
20.0	134.5	27.5	0.388	0.002			100E00	

DEPTH	SPC 20	SPC 35
1.0	200E01	600E00
10.0		
20.0		

C-REF-NO 006	LAT 43-33-57N	YEAR 1966	NO. DEPTHS 03
CONS. NO 012	LON 076-19-48W	MONTH 07	SOUNDING 0035
COUNTRY 18		DAY 05	BT SLIDE NO 012
INSTITUTE 22		TIME 0511	

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		23.53	268	9.95	8.770			89.0
10.0		22.50	270	10.35	8.740			88.0
20.0		9.61	278	10.84	8.140			93.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	132.0	27.0	0.049	0.001			200E00	200E00
10.0	130.0	26.5	0.086	0.004			300E00	
20.0	134.5	26.5	0.315	0.005			000E00	

DEPTH	SPC 20	SPC 35
1.0	150E01	100E00
10.0		
20.0		

C-REF-NO 006 | LAT 43-40-33N | YEAR 1966 | NO. DEPTHS 07
CONS. NO 013 | LON 076-34-09W | MONTH 07 | SOUNDING 0135
COUNTRY 18 | DAY 05 | BT SLIDE NO 013
INSTITUTE 22 | TIME 0646

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		21.58	269	10.67	8.740			88.0
9.0		8.57	274	15.16	8.640			92.0
19.0		4.94	278	12.74	8.150			91.0
28.0		4.00	278	12.94	8.100			92.0
47.0		3.99	279	12.95	8.080			92.0
70.0		3.87	279	13.01	8.070			92.0
94.0		3.83	279	12.89	8.070			91.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	130.0	28.5	0.072	0.003			100E00	000E00
9.0	134.0	26.0	0.082	0.003			000E00	
19.0	134.5	27.0	0.476	0.004			000E00	
28.0	135.0	27.5	0.505	0.005			000E00	
47.0	134.5	27.5	0.503	0.002			000E00	
70.0	134.5	27.0	0.508	0.002			000E00	
94.0	134.5	27.5	0.508	0.002			000E00	000E00

DEPTH	SPC 20	SPC 35
1.0	100E01	300E00
9.0		
19.0		
28.0		
47.0		
70.0		
94.0	100E01	200E00

C-REF-NO 006 LAT 43-30-09N YEAR 1966 NO. DEPTHS 06
CONS. NO 014 LON 076-35-00W MONTH 07 SOUNDING 0086
COUNTRY 18 DAY 05 BT SLIDE NO 014
INSTITUTE 22 TIME 0816

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		22.79	267	10.28	8.790			86.0
10.0		18.23	272	9.65	8.450			90.0
20.0			276	12.90	8.300			91.0
30.0		5.62	278	12.91	8.170			93.0
50.0		4.46	279	12.79	8.130			93.0
75.0		4.02	280	12.50	8.060			94.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	129.0	27.5	0.084	0.001			800E00	000E00
10.0	132.0	27.0	0.118	0.002			600E00	
20.0	134.5	27.0	0.402	0.003			200E00	
30.0	134.5	27.5	0.482	0.003			000E00	
50.0	134.0	29.0	0.497	0.003			000E00	
75.0	135.0	28.0	0.508	0.002			200E00	000E00

DEPTH	SPC 20	SPC 35
1.0	150E01	400E00
10.0		
20.0		
30.0		
50.0		
75.0	650E01	600E00

C-REF-NO 006 LAT 43-23-45N YEAR 1966 NO. DEPTHS 06
CONS. NO 015 LON 076-49-42W MONTH 07 SOUNDING 0071
COUNTRY 18 DAY 05 BT SLIDE NO 015
INSTITUTE 22 TIME 0959

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	5.5	22.76	267	10.24	8.770			86.0
10.0		14.92	274	10.29	8.380			92.0
20.0		9.37	278	11.23	8.160			92.0
30.0		8.70	279	11.86	8.180			93.0
50.0		5.55	279	12.43	8.150			93.0
60.0		4.32	280	12.44	8.090			93.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	128.0	28.5	0.079	0.001			600E00	000E00
10.0	134.0	28.0	0.092	0.003			400E00	
20.0	134.0	27.5	0.371	0.004			100E00	
30.0	135.0	28.0	0.377	0.003			000E00	
50.0	135.0	27.5	0.482	0.003			000E00	
60.0	135.0	28.5	0.507	0.003			200E00	000E00

DEPTH	SPC 20	SPC 35
1.0	350E01	100E01
10.0		
20.0		
30.0		
50.0		
60.0	950E01	100E01

C-REF-NO 006
CONS. NO 016
COUNTRY 18
INSTITUTE 22

LAT 43-35-15N
LON 076-49-00W

YEAR 1966
MONTH 07
DAY 05
TIME 1143

NO. DEPTHS 09
SOUNDING 0203
BT SLIDE NO 016

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	4.0	20.88	270	10.65	8.770			87.0
10.0		9.33	279	11.75	8.300			92.0
20.0		5.84						
30.0		4.96						
50.0		3.88						
75.0		3.90						
100.0		3.83						
150.0		3.78						
175.0		3.73	281	12.89	8.160			93.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	131.0	29.0	0.074	0.001			000E00	000E00
10.0	135.0	28.5	0.306	0.004			000E00	
20.0								
30.0								
50.0								
75.0								
100.0								
150.0								
175.0	135.0	28.0	0.514	0.001			000E00	

DEPTH	SPC 20	SPC 35
1.0	600E01	100E01
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
150.0		
175.0		

C-REF-NO 006 LAT 43-47-21N YEAR 1966 NO. DEPTHS 05
CONS. NO 017 LON 076-47-36W MONTH 07 SOUNDING 0068
COUNTRY 18 DAY 05 BT SLIDE NO 017
INSTITUTE 22 TIME 1324

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	6.0	20.67	266	10.36	8.760			86.0
10.0		12.25	280	10.14	8.180			93.0
20.0		9.44	283	10.61	8.080			94.0
30.0		6.85	283	11.47	8.060			92.0
50.0		5.29	283	11.74	8.050			93.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	130.0	29.0	0.084	0.001			000E00	300E00
10.0	135.0	29.0	0.206	0.004			100E00	
20.0	136.0		0.366	0.004				
30.0	134.5	28.0	0.466	0.004				
50.0	135.5	27.5	0.485	0.005			000E00	

DEPTH	SPC 20	SPC 35
1.0	400E01	100E01
10.0		
20.0		
30.0		
50.0		

C-REF-NO 006 LAT 43-50-54N YEAR 1966 NO. DEPTHS 03
CONS. NO 018 LON 076-58-51W MONTH 07 SOUNDING 0026
COUNTRY 18 DAY 05 BT SLIDE NO 018
INSTITUTE 22 TIME 1442

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	5.0	19.89	275	10.54	8.600			91.0
10.0		16.20	277	10.54	8.430			93.0
20.0		10.25	279	9.47	8.100			94.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	134.0	28.0	0.079	0.001			900E00	300E00
10.0	135.5	29.0	0.103	0.002			100E00	
20.0	135.5	27.0	0.345	0.005			200E00	

DEPTH	SPC 20	SPC 35
1.0	200E01	100E01
10.0		
20.0		

C-REF-NO 006
CONS. NO 019
COUNTRY 18
INSTITUTE 22

LAT 43-42-09N
LON 077-02-00W

YEAR 1966
MONTH 07
DAY 05
TIME 1609

NO. DEPTHS 06
SOUNDING 0097
BT SLIDE NO 019

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	5.0	21.50	272	10.44	8.630			87.0
10.0		10.61	281	10.67	8.070			92.0
20.0		7.40						
30.0		6.10						
50.0		5.14						
75.0		4.56	281	12.50	8.060			93.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	132.0	32.0	0.124	0.001			300E00	000E00
10.0	137.0	30.0	0.275	0.005			000E00	
20.0								
30.0								
50.0								
75.0	135.5	26.5	0.489	0.006			000E00	

DEPTH	SPC 20	SPC 35
1.0	200E01	200E00
10.0		
20.0		
30.0		
50.0		
75.0		

C-REF-NO 006 LAT 43-30-39N YEAR 1966 NO. DEPTHS 09
CONS. NO 020 LON 077-03-24W MONTH 07 SOUNDING 0229
COUNTRY 18 DAY 05 BT SLIDE NO 020
INSTITUTE 22 TIME 1744

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	4.8	22.69	269	10.51	8.630		1.5	87.0
10.0		6.50	278	12.59	8.140		2.4	94.0
20.0		5.90	279	12.82	8.140		1.3	93.0
30.0		5.47	279	12.77	8.110		0.4	92.0
50.0		4.68	278	12.99	8.100		0.4	92.0
75.0		3.95	276	13.13	8.030		0.3	92.0
100.0		3.85	280	12.91	8.050		0.4	93.0
150.0		3.82	279	12.94	8.080		0.5	93.0
200.0		3.78	281	12.90	8.070		0.4	91.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	128.0	28.0	0.122	0.003		0.002	000E00	000E00
10.0	134.0	27.0	0.500	0.005			000E00	
20.0	135.0	27.5	0.540	0.005				
30.0	134.0	27.0	0.546	0.004			000E00	
50.0	134.0	27.0	0.577	0.003			000E00	
75.0	134.0	26.5	0.589	0.001			000E00	
100.0	134.0	27.5	0.589	0.001			000E00	
150.0	134.5	27.5	0.589	0.001			300E00	000E00
200.0	134.0	27.5	0.589	0.001				

DEPTH	SPC 20	SPC 35
1.0	200E01	100E01
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
150.0	250E01	250E01
200.0		

C-REF-NO 006 LAT 43-18-36N YEAR 1966 NO. DEPTHS 03
CONS. NO 021 LON 077-04-09W MONTH 07 SOUNDING 0033
COUNTRY 18 DAY 05 BT SLIDE NO 021
INSTITUTE 22 TIME 1937

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	4.0	24.19	270	9.77	8.670			86.0
10.0		18.57	272	10.11	8.440			88.0
20.0		8.26	258	11.78	8.610			89.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	129.0	27.5	0.148	0.002			950E01	
10.0	130.0	29.5	0.209	0.001			110E02	
20.0	134.0	27.0	0.475	0.005			240E01	

DEPTH	SPC 20	SPC 35
1.0	450E01	350E01
10.0		
20.0		

C-REF-NO 006 LAT 43-24-39N YEAR 1966 NO. DEPTHS 09
CONS. NO 022 LON 077-17-51W MONTH 07 SOUNDING 0221
COUNTRY 18 DAY 05 BT SLIDE NO 022
INSTITUTE 22 TIME 2127

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	5.7	23.53		9.96	8.650			87.0
10.0		20.91	266	11.18	8.710			83.0
19.0		7.17						
29.0		5.33						
49.0		4.40						
73.0		3.99						
97.0		3.85						
146.0		3.81						
194.0		3.73	279	12.78	8.090			91.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	130.0	27.0	0.134	0.001			100E00	000E00
10.0	128.0	28.5	0.124	0.001			200E00	
19.0								
29.0								
49.0								
73.0								
97.0								
146.0								
194.0	135.0	27.5	0.598	0.002			000E00	

DEPTH	SPC 20	SPC 35
1.0	100E01	100E01
10.0		
19.0		
29.0		
49.0		
73.0		
97.0		
146.0		
194.0		

C-REF-NO 006 LAT 43-36-51N YEAR 1966 NO. DEPTHS 08
CONS. NO 023 LON 077-17-30W MONTH 07 SOUNDING 0141
COUNTRY 18 DAY 05 BT SLIDE NO 023
INSTITUTE 22 TIME 2335

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	4.0	21.52	267	10.79	8.610			85.0
9.0		9.91	266	11.15	8.150			90.0
19.0		7.28						
28.0		6.09						
47.0		4.98						
70.0		4.14						
117.0			282	12.81				91.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	130.0	27.0	0.129	0.001			000E00	000E00
9.0	134.0	28.0	0.353	0.007			000E00	
19.0								
28.0								
47.0								
70.0								
117.0	134.0	27.0	0.589	0.001			600E00	

DEPTH	SPC 20	SPC 35
1.0	750E01	450E01
9.0		
19.0		
28.0		
47.0		
70.0		
117.0		

C-REF-NO 006 LAT 43-47-24N YEAR 1966 NO. DEPTHS 04
CONS. NO 024 LON 077-15-15W MONTH 07 SOUNDING 0044
COUNTRY 18 DAY 06 BT SLIDE NO 024
INSTITUTE 22 TIME 0112

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		20.08	259	11.25	8.630			90.0
10.0		11.76	278	11.50	8.250			91.0
20.0		8.95	280	10.60	8.070			91.0
30.0		7.86	280	10.24	8.000			91.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	133.0	29.5	0.189	0.001			000E00	
10.0	135.0	28.0	0.156	0.004			000E00	
20.0	134.0	27.5	0.485	0.005			100E00	
30.0	135.0		0.530	0.005			000E00	000E00

DEPTH	SPC 20	SPC 35
1.0	150E02	250E01
10.0		
20.0		
30.0		

C-REF-NO 006 LAT 43-43-30N YEAR 1966 NO. DEPTHS 06
CONS. NO 025 LON 077-30-42W MONTH 07 SOUNDING 0081
COUNTRY 18 DAY 06 BT SLIDE NO 025
INSTITUTE 22 TIME 0235

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		20.79	267	10.86	8.610			85.0
10.0		10.63	282	11.31	8.230			90.0
20.0		7.25	282	11.55	8.200			92.0
30.0		5.93	282	11.82	8.120			90.0
49.0			281	12.37	8.140			90.0
74.0		4.34	282	12.25	8.170			90.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	128.0	27.0	0.114	0.001			000E00	000E00
10.0	134.5	26.5	0.127	0.003			000E00	
20.0	135.0	30.0	0.461	0.004			000E00	
30.0	135.0	29.5	0.558	0.007			000E00	
49.0	135.0	27.5	0.587	0.003			000E00	
74.0	135.5	27.5	0.589	0.001			100E00	000E00

DEPTH	SPC 20	SPC 35
1.0	100E01	500E00
10.0		
20.0		
30.0		
49.0		
74.0	500E01	500E00

C-REF-NO 006 | LAT 43-31-36N | YEAR 1966 | NO. DEPTHS 08
CONS. NO 026 | LON 077-31-39W | MONTH 07 | SOUNDING 0176
COUNTRY 18 | DAY 06 | BT SLIDE NO 026
INSTITUTE 22 | TIME 0422

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		22.57	264	10.35	8.690			84.0
10.0		18.28	253	12.95	8.690			84.0
20.0		6.32						
30.0		5.20						
50.0		4.25						
75.0		3.94						
100.0		3.90						
150.0		3.82	279	13.00	8.110			90.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	128.0	27.5	0.114	0.001			000E00	
10.0	128.0	28.5	0.113	0.002			000E00	
20.0								
30.0								
50.0								
75.0								
100.0								
150.0	135.0	28.5	0.588	0.002			000E00	

DEPTH	SPC 20	SPC 35
1.0	950E01	500E00
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
150.0		

C-REF-NO 006 LAT 43-20-00N YEAR 1966 NO. DEPTHS 04
CONS. NO 027 LON 077-32-36W MONTH 07 SOUNDING 0053
COUNTRY 18 DAY 06 BT SLIDE NO 027
INSTITUTE 22 TIME 0604

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		23.06	269	9.86	8.720			86.0
10.0		15.71	277	10.80	8.320			90.0
20.0			278	12.26	8.100			91.0
30.0		4.34	279	12.36	8.060			91.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	129.0	29.0	0.169	0.001			000E00	
10.0	133.0	27.5	0.241	0.004			112E02	
20.0	134.5	27.5	0.572	0.003			400E01	
30.0	135.0	27.0	0.588	0.002			700E00	000E00

DEPTH	SPC 20	SPC 35
1.0	250E01	200E00
10.0		
20.0		
30.0	350E02	900E01

C-REF-NO 006
CONS. NO 028
COUNTRY 18
INSTITUTE 22

LAT 43-26-15N
LON 077-45-57W

YEAR 1966
MONTH 07
DAY 06
TIME 0738

NO. DEPTHS 06
SOUNDING 0137
BT SLIDE NO 028

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		24.03	266	9.51	8.690			86.0
10.0		8.03	278	12.94	8.230			92.0
20.0		6.02						
50.0		4.48						
75.0		3.99						
100.0		3.86	280	13.06	8.110			91.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	129.0	27.5	0.148	0.002			600E00	
10.0	134.5	28.0	0.451	0.004			000E00	
20.0								
50.0								
75.0								
100.0	134.5	26.5	0.589	0.001			000E00	

DEPTH	SPC 20	SPC 35
1.0	350E01	200E01
10.0		
20.0		
50.0		
75.0		
100.0		

C-REF-NO 006 LAT 43-38-36N YEAR 1966 NO. DEPTHS 08
CONS. NO 029 LON 077-45-03W MONTH 07 SOUNDING 0155
COUNTRY 18 DAY 06 BT SLIDE NO 029
INSTITUTE 22 TIME 0925

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		21.82	265	10.56	8.680			83.0
10.0		12.41	270	14.74	8.640			87.0
20.0		6.93						
30.0		5.08						
50.0		4.25						
75.0		4.13						
100.0		4.02						
140.0		3.94	279	12.71	8.090			92.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	128.0	27.5	0.138	0.002			000E00	000E00
10.0	130.0	28.0	0.137	0.003			000E00	
20.0								
30.0								
50.0								
75.0								
100.0								
140.0	135.0	28.0	0.589	0.001			000E00	

DEPTH	SPC 20	SPC 35
1.0	200E01	150E01
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
140.0		

C-REF-NO 006
CONS. NO 030
COUNTRY 18
INSTITUTE 22

LAT 43-49-57N
LON 077-43-33W

YEAR 1966
MONTH 07
DAY 06
TIME 1059

NO. DEPTHS 06
SOUNDING 0075
BT SLIDE NO 030

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	5.0	20.89	265	10.81	8.600			86.0
10.0		20.09	265	10.78	8.600			85.0
20.0		8.27	279	11.24	8.170			92.0
30.0		6.11	281	11.60	8.120			92.0
50.0		5.34	280	12.52	8.150			91.0
60.0		5.09	279	12.36	8.180			90.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	129.0	28.0	0.158	0.002			000E00	100E00
10.0	128.0	28.5	0.223	0.002			000E00	
20.0	135.0	28.5	0.470	0.005			100E00	
30.0	135.0	27.5	0.520	0.005			000E00	
50.0	135.0	27.5	0.547	0.008			000E00	
60.0	135.0	28.5	0.554	0.006			000E00	000E00

DEPTH	SPC 20	SPC 35
1.0	100E01	500E00
10.0		
20.0		
30.0		
50.0		
60.0	500E01	150E01

C-REF-NO 006
CONS. NO 031
COUNTRY 18
INSTITUTE 22

LAT 43-55-54N
LON 077-57-48W

YEAR 1966
MONTH 07
DAY 06
TIME 1235

NO. DEPTHS 04
SOUNDING 0039
BT SLIDE NO 031

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		19.34	265	11.31	8.650			87.0
10.0		7.90	279	12.30	8.260			90.0
20.0		6.23	280	10.91	8.070			92.0
30.0		6.17	280	10.75	8.040			93.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	130.0	28.0	0.138	0.002			000E00	100E00
10.0	135.0	28.5	0.372	0.003			000E00	
20.0	136.5	29.0	0.537	0.003			160E01	
30.0	136.0	28.0	0.547	0.003			100E01	100E00

DEPTH	SPC 20	SPC 35
1.0	450E01	150E01
10.0		
20.0		
30.0	110E02	100E01

C-REF-NO 006 LAT 43-44-57N YEAR 1966 NO. DEPTHS 06
CONS. NO 032 LON 077-59-00W MONTH 07 SOUNDING 0117
COUNTRY 18 DAY 06 BT SLIDE NO 032
INSTITUTE 22 TIME 1404

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	6.0	21.14	264	10.77	8.580			83.0
10.0		8.22	276		8.520			90.0
20.0		4.66						
30.0		4.39						
50.0		4.14						
75.0		3.93	279	13.08	8.110			91.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	128.0	28.5	0.139	0.001			220E02	100E00
10.0	133.5	28.0	0.164	0.001			100E00	
20.0								
30.0								
50.0								
75.0	135.0	28.0	0.583	0.002			000E00	

DEPTH	SPC 20	SPC 35
1.0	160E02	350E01
10.0		
20.0		
30.0		
50.0		
75.0		

C-REF-NO 006 LAT 43-32-48N YEAR 1966 NO. DEPTHS 08
CONS. NO 033 LON 077-59-54W MONTH 07 SOUNDING 0181
COUNTRY 18 DAY 06 BT SLIDE NO 033
INSTITUTE 22 TIME 1541

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		22.17	266	10.96	8.670		4.3	86.0
10.0		6.12	279	12.76	8.220		0.7	91.0
20.0		4.84	278	12.92	8.170		0.8	91.0
30.0		4.40		13.16	8.170		0.9	92.0
50.0		4.24	278	12.92	8.160		0.7	91.0
75.0		4.00	280	12.95	8.150		1.6	91.0
100.0		3.88	279	13.08	8.140			92.0
149.0		3.80	279	12.92	8.150			91.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	128.0	29.0	0.149	0.001		0.001	000E00	000E00
10.0	134.5	29.0	0.488	0.002			000E00	
20.0	134.5	29.5	0.579	0.001			000E00	
30.0	134.5	29.0	0.584	0.001			000E00	
50.0	134.5	28.5	0.584	0.001			000E00	
75.0	134.5	28.5	0.584	0.001			000E00	
100.0	134.5	28.0	0.584	0.001			000E00	
149.0	134.5	28.0	0.584	0.001			000E00	000E00

DEPTH	SPC 20	SPC 35
1.0	200E01	100E01
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
149.0	200E01	150E01

C-REF-NO 006 LAT 43-24-18N YEAR 1966 NO. DEPTHS 04
CONS. NO 034 LON 078-01-00W MONTH 07 SOUNDING 0046
COUNTRY 18 DAY 06 BT SLIDE NO 034
INSTITUTE 22 TIME 1712

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		23.04	267	9.46	8.650			85.0
10.0		10.94	277	12.82	8.480			91.0
20.0		5.80	280	12.79	8.180			91.0
30.0		4.28	280	12.50	8.080			92.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	128.0	28.5	0.154	0.001			000E00	000E00
10.0	133.7	28.0	0.254	0.001			000E00	
20.0	134.3	28.5	0.563	0.002			000E00	
30.0	135.0	28.0	0.588	0.002			100E00	000E00

DEPTH	SPC 20	SPC 35
1.0	850E01	400E01
10.0		
20.0		
30.0	110E02	100E01

C-REF-NO 006
CONS. NO 035
COUNTRY 18
INSTITUTE 22

LAT 43-27-30N
LON 078-14-54W

YEAR 1966
MONTH 07
DAY 06
TIME 1833

NO. DEPTHS 07
SOUNDING 0122
BT SLIDE NO 035

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		23.50	265	9.68	8.750			85.0
10.0		23.23	266	9.87	8.740			86.0
20.0		6.00						
30.0		4.95						
49.0		4.83						
74.0		3.97						
99.0		3.86	279	13.18	8.150			93.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	127.0	27.5	0.179	0.001			000E00	000E00
10.0	128.0	29.0	0.159	0.001			100E00	
20.0								
30.0								
49.0								
74.0								
99.0	134.8	29.0	0.588	0.002			000E00	

DEPTH	SPC 20	SPC 35
1.0	150E01	150E01
10.0		
20.0		
30.0		
49.0		
74.0		
99.0		

C-REF-NO 006
CONS. NO 036
COUNTRY 18
INSTITUTE 22

LAT 43-39-54N
LON 078-13-33W

YEAR 1966
MONTH 07
DAY 06
TIME 2015

NO. DEPTHS 08
SOUNDING 0152
BT SLIDE NO 036

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	5.5	21.29	262	10.78	8.690			85.0
10.0		19.55	262	11.86	8.690			85.0
19.0		6.45						
29.0		4.42						
48.0		4.09						
72.0		3.91						
96.0		3.87						
124.0		3.82	279	13.23	8.200			93.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	126.0	28.5	0.164	0.001			200E00	000E00
10.0	126.0	28.5	0.173	0.002			000E00	
19.0								
29.0								
48.0								
72.0								
96.0								
124.0	135.2	28.5	0.579	0.001			400E00	

DEPTH	SPC 20	SPC 35
1.0	200E01	500E00
10.0		
19.0		
29.0		
48.0		
72.0		
96.0		
124.0		

C-REF-NO 006 LAT 43-51-45N YEAR 1966 NO. DEPTHS 05
CONS. NO 037 LON 078-12-45W MONTH 07 SOUNDING 0051
COUNTRY 18 DAY 06 BT SLIDE NO 037
INSTITUTE 22 TIME 2153

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	4.0	17.72	267	14.26	8.700			90.0
10.0		8.01	276	15.12	8.650			91.0
20.0		5.38	281	12.50	8.170			93.0
30.0		4.99	280	12.26	8.160			91.0
40.0		4.68	281	11.75	8.130			93.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	132.3	28.0	0.193	0.002			500E00	500E00
10.0	134.1	29.0	0.272	0.003			000E00	
20.0	135.2	28.5	0.543	0.002			000E00	
30.0	135.0	28.0	0.553	0.002			000E00	
40.0	135.8	28.5	0.572	0.003			000E00	100E00

DEPTH	SPC 20	SPC 35
1.0	200E01	150E01
10.0		
20.0		
30.0		
40.0	150E01	100E01

C-REF-NO 006
CONS. NO 038
COUNTRY 18
INSTITUTE 22

LAT 43-46-57N
LON 078-26-39W

YEAR 1966
MONTH 07
DAY 06
TIME 2337

NO. DEPTHS 06
SOUNDING 0075
BT SLIDE NO 038

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	4.0	19.01	266	11.80	8.740			85.0
10.0		17.28	269	12.05	8.720			87.0
20.0		6.39	278	12.46	8.260			92.0
30.0		5.21	280	12.72	8.210			92.0
50.0		4.12	280	12.89	8.160			91.0
60.0		4.03	282	12.42	8.140			91.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	126.0	29.5	0.364	0.001			000E00	
10.0	128.0	30.0	0.368	0.002			000E00	
20.0	133.0	29.5	0.579	0.001			200E00	
30.0	133.4	29.5	0.563	0.002			000E00	
50.0	133.6	29.0	0.572	0.003			100E00	
60.0	133.0	30.0	0.607	0.003			000E00	280E02

DEPTH	SPC 20	SPC 35
1.0	150E01	150E01
10.0		
20.0		
30.0		
50.0	120E03	130E03
60.0		

C-REF-NO 006
CONS. NO 039
COUNTRY 18
INSTITUTE 22

LAT 43-34-21N
LON 078-27-39W

YEAR 1966
MONTH 07
DAY 07
TIME 0140

NO. DEPTHS 08
SOUNDING 0174
BT SLIDE NO 039

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		21.39	266	10.27	8.640			83.0
10.0		10.07	267	16.12	8.630			84.0
19.0		5.23						
29.0		4.39						
48.0		3.92						
72.0		3.88						
96.0		3.86						
143.0		3.74	276	13.13	8.130			91.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	125.0	30.0	0.109	0.001			400E00	900E00
10.0	127.0	27.0	0.109	0.001			000E00	
19.0								
29.0								
48.0								
72.0								
96.0								
143.0	134.0	25.5	0.614	0.001			500E01	

DEPTH	SPC 20	SPC 35
1.0	200E01	200E01
10.0		
19.0		
29.0		
48.0		
72.0		
96.0		
143.0		

C-REF-NO 006	LAT 43-24-00N	YEAR 1966	NO. DEPTHS 04
CONS. NO 040	LON 078-29-03W	MONTH 07	SOUNDING 0054
COUNTRY 18		DAY 07	BT SLIDE NO 040
INSTITUTE 22		TIME 0310	

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		20.89	267	10.12	8.590			85.0
10.0		7.06	267	12.29	8.130			90.0
20.0		5.16						
30.0		4.38	276	12.83	8.120			90.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	131.5	26.0	0.124	0.001			700E00	100E00
10.0	134.0	25.5	0.548	0.002			100E00	
20.0								
30.0	134.0	25.5	0.614	0.001			000E00	

DEPTH	SPC 20	SPC 35
1.0	300E01	150E01
10.0		
20.0		
30.0		

C-REF-NO 006
CONS. NO 041
COUNTRY 18
INSTITUTE 22

LAT 43-28-45N
LON 078-43-21W

YEAR 1966
MONTH 07
DAY 07
TIME 0452

NO. DEPTHS 07
SOUNDING 0148
BT SLIDE NO 041

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		21.77	265	10.19	8.660			82.0
10.0		13.14	268	14.14	8.590			84.0
20.0		4.71						
30.0		4.12						
50.0		3.98						
75.0		3.95						
100.0		3.88	278	13.05	8.100			90.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	125.0	25.5	0.124	0.001			500E00	000E00
10.0	127.0	26.0	0.134	0.001			500E00	
20.0								
30.0								
50.0								
75.0								
100.0	134.5	28.0	0.612	0.003			000E00	

DEPTH	SPC 20	SPC 35
1.0	250E02	250E01
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		

C-REF-NO 006 LAT 43-41-03N YEAR 1966 NO. DEPTHS 07
CONS. NO 042 LON 078-42-24W MONTH 07 SOUNDING 0115
COUNTRY 18 DAY 07 BT SLIDE NO 042
INSTITUTE 22 TIME 0641

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		19.66	266	11.62	8.680			84.0
10.0		9.63	272	14.36	8.460			90.0
20.0		4.91						
30.0		4.13						
50.0		3.98						
75.0		3.86						
100.0		3.79	279	13.37	8.140			90.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	127.0	26.0	0.119	0.001			000E00	000E00
10.0	132.5	25.5	0.124	0.001			000E00	
20.0								
30.0								
50.0								
75.0								
100.0	134.0	26.0	0.608	0.002			000E00	

DEPTH	SPC 20	SPC 35
1.0	250E01	150E01
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		

C-REF-NO 006
CONS. NO 043
COUNTRY 18
INSTITUTE 22

LAT 43-50-21N
LON 078-41-12W

YEAR 1966
MONTH 07
DAY 07
TIME 0814

NO. DEPTHS 03
SOUNDING 0031
BT SLIDE NO 043

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		14.26	272	12.96	8.580			88.0
10.0		5.83	279	13.53	8.280			90.0
20.0		4.73	279	13.45	8.160			90.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	132.5	26.0	0.283	0.002			000E00	000E00
10.0	135.0	25.5	0.534	0.001			000E00	
20.0	134.5	25.0	0.590	0.005			000E00	

DEPTH	SPC 20	SPC 35
1.0	600E02	250E01
10.0		
20.0		

C-REF-NO 006
CONS. NO 044
COUNTRY 18
INSTITUTE 22

LAT 43-47-45N
LON 078-56-06W

YEAR 1966
MONTH 07
DAY 07
TIME 0944

NO. DEPTHS 04
SOUNDING 0042
BT SLIDE NO 044

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		14.05	287	13.21	8.580			88.0
10.0		6.18	277	13.63	8.280			89.0
20.0		4.47	278	12.74	8.120			90.0
30.0		4.34	278	12.42	8.080			91.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	132.0	28.0	0.293	0.002			000E00	
10.0	134.0	27.5	0.503	0.002			000E00	
20.0	134.5	26.0	0.607	0.003			000E00	
30.0	135.0	26.5	0.618	0.002			000E00	100E00

DEPTH	SPC 20	SPC 35
1.0	720E02	250E01
10.0		
20.0		
30.0	270E02	100E01

C-REF-NO 006 LAT 43-36-15N YEAR 1966 NO. DEPTHS 07
CONS. NO 045 LON 078-57-03W MONTH 07 SOUNDING 0126
COUNTRY 18 DAY 07 BT SLIDE NO 045
INSTITUTE 22 TIME 1121

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	3.5	20.05	265	9.34	8.640		0.8	83.0
10.0		13.45	269	13.87	8.630		1.2	87.0
20.0		5.14	279	12.89	8.150		0.5	91.0
30.0		4.42	279	11.68	8.150		0.6	91.0
50.0		4.02	278	12.21	8.150		0.0	91.0
75.0		3.90	278	12.01	8.130		0.3	90.0
100.0		3.83	278	12.52	8.150		0.9	90.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	126.0	26.5	0.144	0.001		0.000	400E00	800E00
10.0	129.0	27.0	0.149	0.001			000E00	
20.0	134.5	26.0	0.583	0.002			100E00	
30.0	134.0	26.0	0.603	0.002			000E00	
50.0	134.0	25.5	0.609	0.001			000E00	
75.0	134.0	26.0	0.613	0.002			000E00	
100.0	134.0	25.5	0.613	0.002			000E00	000E00

DEPTH	SPC 20	SPC 35
1.0	150E01	150E01
10.0		
20.0		
30.0		
50.0		
75.0		
100.0	300E01	100E01

C-REF-NO 006 LAT 43-30-51N YEAR 1966 NO. DEPTHS 07
CONS. NO 046 LON 079-12-06W MONTH 07 SOUNDING 0130
COUNTRY 18 DAY 07 BT SLIDE NO 046
INSTITUTE 22 TIME 1322

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	3.0	20.57	269	10.35	8.680			84.0
10.0		7.95	276	14.79	8.520			90.0
19.0		5.37						
29.0		4.43						
48.0		4.07						
73.0		3.92						
97.0		3.88	278	10.18	8.160			91.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	127.0	26.5	0.124	0.001			000E00	000E00
10.0	133.0	26.0	0.138	0.002			000E00	
19.0								
29.0								
48.0								
73.0								
97.0	134.5	26.0	0.619	0.001			300E00	

DEPTH	SPC 20	SPC 35
1.0	120E02	300E01
10.0		
19.0		
29.0		
48.0		
73.0		
97.0		

C-REF-NO 006 LAT 43-38-51N YEAR 1966 NO. DEPTHS 05
CONS. NO 047 LON 079-10-42W MONTH 07 SOUNDING 0081
COUNTRY 18 DAY 07 BT SLIDE NO 047
INSTITUTE 22 TIME 1431

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		15.28	270	13.87	8.630		2.6	87.0
10.0		5.61	280	12.83	8.200		1.2	91.0
20.0		4.43	279	12.97	8.140		0.8	90.0
30.0		4.18	279	12.97	8.150		0.0	90.0
50.0		3.91	280	12.99	8.150		0.5	90.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	131.0	26.5	0.119	0.001		0.002	100E00	000E00
10.0	134.5	27.0	0.573	0.002			000E00	
20.0	134.0	26.5	0.612	0.003			000E00	
30.0	134.5	26.5	0.614	0.001			000E00	
50.0	134.5	28.0	0.619	0.001			000E00	000E00

DEPTH	SPC 20	SPC 35
1.0	150E03	250E01
10.0		
20.0		
30.0		
50.0		

C-REF-NO 006	LAT 43-41-39N	YEAR 1966	NO. DEPTHS 03
CONS. NO 048	LON 079-10-36W	MONTH 07	SOUNDING 0027
COUNTRY 18		DAY 07	BT SLIDE NO 048
INSTITUTE 22		TIME 1515	

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		12.95	275	14.63	8.650		2.2	89.0
10.0		6.84	277	13.79	8.330		1.2	91.0
20.0		4.32	279	12.59	8.110		0.9	91.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	132.5	27.0	0.233	0.002		0.000	180E01	100E00
10.0	134.5	27.5	0.493	0.002			300E01	
20.0	134.5	27.0	0.614	0.001			110E01	

DEPTH	SPC 20	SPC 35
1.0	100E05	700E01
10.0		
20.0		

C-REF-NO 006
CONS. NO 049
COUNTRY 18
INSTITUTE 22

LAT 43-40-15N
LON 079-14-18W

YEAR 1966
MONTH 07
DAY 07
TIME 1614

NO. DEPTHS 01
SOUNDING 0013
BT SLIDE NO 049

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	2.2	10.46	290	13.61	8.340			90.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	135.5	28.5	0.491	0.004				

DEPTH	SPC 20	SPC 35
1.0		

C-REF-NO 006 LAT 43-37-18N YEAR 1966 NO. DEPTHS 05
CONS. NO 050 LON 079-14-42W MONTH 07 SOUNDING 0084
COUNTRY 18 DAY 07 BT SLIDE NO 050
INSTITUTE 22 TIME 1650

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	2.0	13.89	272	14.57	8.690		2.2	88.0
10.0		6.96	280	13.21	8.270		1.9	90.0
20.0		4.55	280	12.93	8.130		0.4	91.0
30.0		4.28	280	12.90	8.130			90.0
50.0		3.93	279	13.04	8.190			90.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	132.5	27.5	0.124	0.001		0.000	700E00	500E00
10.0	134.5	27.0	0.528	0.002			100E00	
20.0	134.0	26.0	0.603	0.002			100E00	
30.0	134.0	26.5	0.613	0.002			100E00	
50.0	134.5	28.0	0.619	0.001			100E00	000E00

DEPTH	SPC 20	SPC 35
1.0	400E03	200E01
10.0		
20.0		
30.0		
50.0	160E02	100E01

C-REF-NO 006	LAT 43-38-42N	YEAR 1966	NO. DEPTHS 01
CONS. NO 051	LON 079-16-33W	MONTH 07	SOUNDING 0011
COUNTRY 18		DAY 07	BT SLIDE NO 051
INSTITUTE 22		TIME 1729	

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	1.8	9.15	274	13.79	8.240			91.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	135.5	28.0	0.536	0.004				

DEPTH	SPC 20	SPC 35
1.0		

C-REF-NO 006 LAT 43-36-03N YEAR 1966 NO. DEPTHS 06
CONS. NO 052 LON 079-18-24W MONTH 07 SOUNDING 0086
COUNTRY 18 DAY 07 BT SLIDE NO 052
INSTITUTE 22 TIME 1806

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		15.13	272	14.38	8.750		2.4	88.0
10.0		8.88	278	14.09	8.450		2.0	90.0
20.0		4.77	280	13.72	8.160		1.0	90.0
30.0		4.32	279	13.27	8.180		0.7	89.0
50.0		3.99	279	12.71	8.170		0.6	90.0
75.0		3.85	280	13.04	8.160		0.7	90.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	132.5	27.5	0.133	0.002		0.001	100E01	
10.0	135.0	27.0	0.463	0.002			200E00	
20.0	134.5	27.0	0.602	0.003			000E00	
30.0	134.5	26.5	0.609	0.001			100E00	
50.0	134.5	27.5	0.619	0.001			100E00	
75.0	134.5	27.0	0.624	0.001			000E00	000E00

DEPTH	SPC 20	SPC 35
1.0	400E03	750E01
10.0		
20.0		
30.0		
50.0		
75.0	200E02	200E01

C-REF-NO 006
CONS. NO 053
COUNTRY 18
INSTITUTE 22

LAT 43-34-09N
LON 079-15-09W

YEAR 1966
MONTH 07
DAY 07
TIME 1858

NO. DEPTHS 07
SOUNDING 0110
BT SLIDE NO 053

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		16.16	270	13.28	8.720		1.9	86.0
10.0		6.39	278	12.78	8.240		1.2	90.0
20.0		4.97	279	12.72	8.160		0.5	90.0
30.0		4.39	279	11.67	8.160		0.4	90.0
50.0		4.08	279	13.28	8.150		0.8	90.0
75.0		3.92	280	12.74	8.140		0.0	90.0
100.0		3.84	281	12.40	8.120		0.6	90.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	130.0	27.0	0.229	0.001		0.001	600E00	200E00
10.0	135.0	27.0	0.493	0.002			160E01	
20.0	134.5	26.5	0.596	0.004			100E00	
30.0	134.5	27.0	0.613	0.002			000E00	
50.0	134.5	26.5	0.619	0.001			270E01	
75.0	135.0	26.5	0.619	0.001			000E00	
100.0	135.0	26.5	0.633	0.002			000E00	000E00

DEPTH	SPC 20	SPC 35
1.0	920E02	300E01
10.0		
20.0		
30.0		
50.0		
75.0		
100.0	170E02	200E01

C-REF-NO 006
CONS. NO 054
COUNTRY 18
INSTITUTE 22

LAT 43-33-06N
LON 079-18-36W

YEAR 1966
MONTH 07
DAY 07
TIME 2018

NO. DEPTHS 07
SOUNDING 0106
BT SLIDE NO 054

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	2.7	18.31	270	12.74	8.730		0.6	85.0
10.0		6.92	279	12.64	8.270		1.2	90.0
20.0		5.04	279	12.40	8.190		0.5	90.0
30.0		4.61	279	12.58	8.190		0.9	90.0
50.0		4.07	280	12.80	8.200		0.4	90.0
75.0		3.87	279	12.93	8.150		0.8	90.0
100.0		3.83	282	11.67	8.090		0.8	91.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	130.0	27.0	0.129	0.001		0.000	250E01	000E00
10.0	134.5	27.0	0.493	0.002			160E01	
20.0	134.5	27.0	0.592	0.003			160E01	
30.0	134.5	27.0	0.606	0.004			500E00	
50.0	134.0	26.5	0.614	0.001				
75.0	134.0	26.0	0.624	0.001			100E00	
100.0	135.5	26.5	0.633	0.002			000E00	000E00

DEPTH	SPC 20	SPC 35
1.0	260E02	100E01
10.0		
20.0		
30.0		
50.0		
75.0		
100.0	180E02	150E01

C-REF-NO 006	LAT 43-31-27N	YEAR 1966	NO. DEPTHS 06
CONS. NO 055	LON 079-22-15W	MONTH 07	SOUNDING 0095
COUNTRY 18		DAY 07	BT SLIDE NO 055
INSTITUTE 22		TIME 2126	

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	2.6	17.54	268	13.40	8.730		1.6	85.0
10.0		6.49	281	13.10	8.290		1.0	90.0
20.0		4.70	280	12.90	8.160		0.0	89.0
30.0		4.20	279	12.83	8.160		0.3	89.0
50.0		3.97	278	12.80	8.160		0.1	89.0
75.0		3.85	277	12.69	8.190		0.5	89.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	129.0	27.5	0.166	0.004		0.000	000E00	000E00
10.0	135.0	26.5	0.523	0.002			000E00	
20.0	134.5	26.0	0.602	0.003			000E00	
30.0	134.0	26.5	0.614	0.001			000E00	
50.0	134.5	26.5	0.614	0.001			000E00	
75.0	134.5	27.0	0.619	0.001			100E00	000E00

DEPTH	SPC 20	SPC 35
1.0	360E02	200E01
10.0		
20.0		
30.0		
50.0		
75.0	800E01	150E01

C-REF-NO 006
CONS. NO 056
COUNTRY 18
INSTITUTE 22

LAT 43-34-30N
LON 079-22-06W

YEAR 1966
MONTH 07
DAY 07
TIME 2225

NO. DEPTHS 05
SOUNDING 0075
BT SLIDE NO 056

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	2.0	12.51	275	14.17	8.740		2.5	87.0
10.0		4.91	278	12.94	8.240		0.7	89.0
20.0		4.07	279	12.70	8.180		1.4	89.0
30.0		4.02	278	12.82	8.150			89.0
50.0		3.93	280		8.180		0.4	89.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	134.0	27.5	0.336	0.004		0.000	260E01	
10.0	135.0	27.5	0.588	0.002			730E01	
20.0	135.5	27.0	0.614	0.001			390E01	
30.0	134.5	27.0	0.619	0.001			350E02	
50.0	135.0	26.5	0.629	0.001			200E03	300E01

DEPTH	SPC 20	SPC 35
1.0	110E03	360E01
10.0		
20.0		
30.0		
50.0	140E04	270E02

C-REF-NO 006 LAT 43-36-15N YEAR 1966 NO. DEPTHS 04
CONS. NO 057 LON 079-25-24W MONTH 07 SOUNDING 0037
COUNTRY 18 DAY 07 BT SLIDE NO 057
INSTITUTE 22 TIME 2319

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	2.0	12.09	284	14.33	8.630			91.0
10.0		5.11	280	12.07	8.130			91.0
20.0		4.28	278	12.26	8.100			91.0
30.0		4.07	279	12.74	8.080			91.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	136.0	28.5	0.422	0.003				
10.0	135.0	27.0	0.588	0.012				
20.0	134.5	26.5	0.608	0.002				
30.0	134.5	28.5	0.629	0.001				

DEPTH	SPC 20	SPC 35
1.0		
10.0		
20.0		
30.0		

C-REF-NO 006 LAT 43-33-24N YEAR 1966 NO. DEPTHS 05
CONS. NO 058 LON 079-25-48W MONTH 07 SOUNDING 0060
COUNTRY 18 DAY 08 BT SLIDE NO 058
INSTITUTE 22 TIME 0010

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	2.0	15.93	276	15.06	8.800		2.2	88.0
10.0		5.95	279	12.74	8.190			91.0
20.0			278	13.12			0.4	90.0
30.0			278	12.46			0.4	90.0
50.0		3.98	278	12.86	8.110		0.4	90.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	133.5	29.0	0.207	0.003		0.000	500E00	000E00
10.0	134.0	27.5	0.563	0.002			100E00	
20.0	134.0	27.0	0.327	0.003			000E00	
30.0	134.0	27.0	0.607	0.003			100E00	
50.0	134.5	27.0	0.614	0.001			130E01	100E00

DEPTH	SPC 20	SPC 35
1.0	200E03	200E02
10.0		
20.0		
30.0		
50.0	120E02	150E01

C-REF-NO 006	LAT 43-34-51N	YEAR 1966	NO. DEPTHS 02
CONS. NO 059	LON 079-29-09W	MONTH 07	SOUNDING 0023
COUNTRY 18		DAY 08	BT SLIDE NO 059
INSTITUTE 22		TIME 0114	

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		12.85	279	15.60	8.700			90.0
8.0		6.24	285	12.65	8.230			91.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	135.0	29.5	0.390	0.005				
8.0	135.5	28.0	0.546	0.004				

DEPTH	SPC 20	SPC 35
1.0		
8.0		

C-REF-NO 006
CONS. NO 060
COUNTRY 18
INSTITUTE 22

LAT 43-33-06N
LON 079-32-33W

YEAR 1966
MONTH 07
DAY 08
TIME 0152

NO. DEPTHS 02
SOUNDING 0014
BT SLIDE NO 060

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		9.71	278	13.51	8.430			91.0
8.0		6.03	281	11.94	8.060			91.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	133.0	30.0	0.447	0.003				
8.0	135.5	27.5	0.592	0.003				

DEPTH	SPC 20	SPC 35
1.0		
8.0		

C-REF-NO 006	LAT 43-30-12N	YEAR 1966	NO. DEPTHS 03
CONS. NO 061	LON 079-33-09W	MONTH 07	SOUNDING 0032
COUNTRY 18		DAY 08	BT SLIDE NO 061
INSTITUTE 22		TIME 0231	

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		15.52	276	14.14	8.640		1.7	86.0
10.0		5.69	281	12.57	8.160		0.5	92.0
20.0		4.40	282	11.99	8.040		0.3	91.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	130.0	20.0	0.444	0.011		0.000	790E01	000E00
10.0	134.0	26.0	0.571	0.004			190E01	
20.0	134.5	26.0	0.610	0.010			100E00	

DEPTH	SPC 20	SPC 35
1.0	140E02	130E02
10.0		
20.0		

C-REF-NO 006	LAT 43-31-57N	YEAR 1966	NO. DEPTHS 04
CONS. NO 062	LON 079-29-15W	MONTH 07	SOUNDING 0051
COUNTRY 18		DAY 08	BT SLIDE NO 062
INSTITUTE 22		TIME 0317	

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		16.14	273	13.69	8.720		2.1	87.0
10.0		5.77	281	13.34	8.130		1.0	91.0
20.0			279	13.63	8.400		0.4	90.0
30.0		4.99	279	12.45	8.080		0.4	91.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	132.0	27.0	0.307	0.008		0.001	000E00	100E00
10.0	134.5	27.0	0.569	0.006			140E01	
20.0	134.5	27.0	0.453	0.002			300E00	
30.0	134.5	26.5	0.591	0.004			500E00	000E00

DEPTH	SPC 20	SPC 35
1.0	350E01	250E01
10.0		
20.0		
30.0	320E02	900E02

C-REF-NO 006 LAT 43-30-21N YEAR 1966 NO. DEPTHS 06
CONS. NO 063 LON 079-26-09W MONTH 07 SOUNDING 0082
COUNTRY 18 DAY 08 BT SLIDE NO 063
INSTITUTE 22 TIME 0408

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		15.42	270	14.50	8.730		2.0	87.0
10.0		10.72	276	14.20	8.650		1.8	88.0
20.0		4.37	279	12.65	8.100		0.2	90.0
30.0		4.31	278	12.60	8.090		0.5	90.0
50.0		4.01	280	13.30	8.110		0.2	90.0
70.0		3.91	280	12.49	8.070		0.8	90.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	131.0	27.0	0.137	0.003		0.000	300E00	200E00
10.0	132.5	27.0	0.227	0.003			000E00	
20.0	134.0	27.0	0.602	0.003			500E00	
30.0	134.0	27.5	0.609	0.001			100E00	
50.0	133.5	27.0	0.614	0.001			000E00	
70.0	134.0	28.5	0.629	0.001			000E00	000E00

DEPTH	SPC 20	SPC 35
1.0	530E02	320E02
10.0		
20.0		
30.0		
50.0		
70.0	400E01	150E01

C-REF-NO 006 LAT 43-25-00N YEAR 1966 NO. DEPTHS 06
CONS. NO 064 LON 079-25-48W MONTH 07 SOUNDING 0106
COUNTRY 18 DAY 08 BT SLIDE NO 064
INSTITUTE 22 TIME 0530

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		20.28	266	10.77	8.680			83.0
10.0		6.55	279		8.160			90.0
20.0		5.18						
30.0		4.54						
50.0		4.40						
75.0		4.00	278	11.52	8.110			90.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	128.0	27.0	0.119	0.001		0.000	800E00	300E00
10.0	133.5	27.0	0.493	0.002			100E00	
20.0								
30.0								
50.0								
75.0	134.5	27.5	0.614	0.001			190E01	

DEPTH	SPC 20	SPC 35
1.0	800E01	550E01
10.0		
20.0		
30.0		
50.0		
75.0		

C-REF-NO 006 LAT 43-19-54N YEAR 1966 NO. DEPTHS 04
CONS. NO 065 LON 079-41-42W MONTH 07 SOUNDING 0046
COUNTRY 18 DAY 08 BT SLIDE NO 065
INSTITUTE 22 TIME 0720

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		11.32	277	13.76	8.540			88.0
10.0		6.42	280	13.50	8.250			90.0
20.0		4.54	278	12.90	8.150			89.0
30.0		4.22	280	12.12	8.070			90.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	134.0	25.5	0.475	0.010			000E00	000E00
10.0	134.5	25.0	0.557	0.003			000E00	
20.0	133.0	26.0	0.587	0.008			000E00	
30.0	134.0	25.0	0.611	0.004			000E00	200E00

DEPTH	SPC 20	SPC 35
1.0	750E01	220E02
10.0		
20.0		
30.0	250E01	500E00

C-REF-NO 006	LAT 43-14-15N	YEAR 1966	NO. DEPTHS 03
CONS. NO 066	LON 079-27-51W	MONTH 07	SOUNDING 0027
COUNTRY 18		DAY 08	BT SLIDE NO 066
INSTITUTE 22		TIME 0847	

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		19.46	267	10.96	8.680			84.0
10.0		5.46	278	11.28	8.070			91.0
20.0		4.53	281	11.78	8.020			92.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	127.0	26.5	0.191	0.004			900E00	
10.0	134.0	26.5	0.587	0.003			300E00	
20.0	134.5	27.0	0.616	0.004			500E00	

DEPTH	SPC 20	SPC 35
1.0	450E01	400E01
10.0		
20.0		

C-REF-NO 006	LAT 43-14-42N	YEAR 1966	NO. DEPTHS 03
CONS. NO 067	LON 079-17-00W	MONTH 07	SOUNDING 0026
COUNTRY 18		DAY 08	BT SLIDE NO 067
INSTITUTE 22		TIME 0957	

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		19.04	268	10.70	8.630			84.0
10.0		12.66	275	10.38	8.360			87.0
20.0		4.65	281	11.24	8.050			91.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	127.0	26.5	0.138	0.002		0.000	380E02	
10.0	131.0	27.0	0.378	0.002			370E02	
20.0	135.0	27.0	0.612	0.003			600E01	

DEPTH	SPC 20	SPC 35
1.0	360E02	420E02
10.0		
20.0		

C-REF-NO 006	LAT 43-17-27N	YEAR 1966	NO. DEPTHS 06
CONS. NO 068	LON 079-16-24W	MONTH 07	SOUNDING 0082
COUNTRY 18		DAY 08	BT SLIDE NO 068
INSTITUTE 22		TIME 1038	

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		20.54	266	9.84	8.640			84.0
10.0		10.10	278	12.15	8.160			90.0
20.0		6.82	278	11.78	8.200			90.0
30.0		5.62	278	12.02	8.140			90.0
50.0		4.64	280	12.48	8.140			90.0
75.0		4.06	280	12.26	8.100			90.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	127.0	26.5	0.114	0.001		0.000	130E03	200E00
10.0	133.0	26.5	0.572	0.003			300E01	
20.0	134.0	26.0	0.488	0.002			620E01	
30.0	134.0	25.5	0.567	0.003			740E01	
50.0	134.0	25.5	0.610	0.005			320E01	
75.0	134.5	27.0	0.618	0.002			420E01	000E00

DEPTH	SPC 20	SPC 35
1.0	350E02	310E02
10.0		
20.0		
30.0		
50.0		
75.0	900E01	800E01

C-REF-NO 006 LAT 43-20-24N YEAR 1966 NO. DEPTHS 06
CONS. NO 069 LON 079-16-06W MONTH 07 SOUNDING 0099
COUNTRY 18 DAY 08 BT SLIDE NO 069
INSTITUTE 22 TIME 1130

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	4.0	20.27	271	10.11	8.670			85.0
10.0		9.52	277	11.56	8.270			90.0
20.0		6.70	280	11.65	8.170			91.0
30.0		5.34	280	12.50	8.150			91.0
50.0		4.16	279	12.58	8.180			91.0
75.0		3.96	279	12.50	8.130			91.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	128.0	26.0	0.124	0.001		0.000	300E02	000E00
10.0	133.0	25.5	0.443	0.002			400E02	
20.0	134.0	26.0	0.570	0.005			540E01	
30.0	133.5	26.0	0.585	0.005			220E01	
50.0	134.0	26.0	0.612	0.003			600E00	
75.0	134.5	27.5	0.618	0.002			860E01	140E01

DEPTH	SPC 20	SPC 35
1.0	120E02	100E02
10.0		
20.0		
30.0		
50.0		
75.0	150E02	550E02

C-REF-NO 006 LAT 43-21-27N YEAR 1966 NO. DEPTHS 06
CONS. NO 070 LON 079-12-15W MONTH 07 SOUNDING 0102
COUNTRY 18 DAY 08 BT SLIDE NO 070
INSTITUTE 22 TIME 1233

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		20.90	273	9.65	8.670			86.0
10.0			279	12.50				90.0
20.0			280	12.64				90.0
30.0		5.18	278	12.66	8.150			90.0
50.0		4.18	278	12.61	8.110			91.0
75.0		3.90	278	12.82	8.120			90.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	130.0	25.5	0.118	0.002		0.000	800E02	000E00
10.0	134.0	26.0	0.597	0.003			620E01	
20.0	133.5	27.0	0.591	0.004			340E01	
30.0	134.0	26.0	0.606	0.004			280E01	
50.0	134.0	26.0	0.614	0.001			220E01	
75.0	134.0	27.0	0.619	0.001			300E01	000E00

DEPTH	SPC 20	SPC 35
1.0	450E01	240E02
10.0		
20.0		
30.0		
50.0		
75.0	250E01	200E01

C-REF-NO 006 LAT 43=18=21N YEAR 1966 NO. DEPTHS 06
CONS. NO 071 LON 079=12=36W MONTH 07 SOUNDING 0082
COUNTRY 18 DAY 08 BT SLIDE NO 071
INSTITUTE 22 TIME 1315

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		20.55	270	9.87	8.640			85.0
10.0		17.24	270	10.46	8.520			85.0
20.0		6.08	278	11.68	8.220			90.0
30.0		4.75	278	13.56	8.130			90.0
50.0		4.06	278	12.64	8.080			91.0
75.0		3.90	281	12.34	8.060			91.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	127.0	26.5	0.129	0.001		0.000	200E03	000E00
10.0	129.0	26.0	0.169	0.001			260E03	
20.0	134.0	25.5	0.563	0.002			700E01	
30.0	134.0	26.0	0.600	0.005			500E01	
50.0	134.5	26.0	0.614	0.001			720E01	
75.0	135.0	26.5	0.622	0.003			660E01	100E00

DEPTH	SPC 20	SPC 35
1.0	600E01	400E01
10.0		
20.0		
30.0		
50.0		
75.0	400E01	700E01

C-REF-NO 006
CONS. NO 072
COUNTRY 18
INSTITUTE 22

LAT 43-16-54N
LON 079-09-09W

YEAR 1966
MONTH 07
DAY 08
TIME 1351

NO. DEPTHS 02
SOUNDING 0014
BT SLIDE NO 072

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		19.95	273	9.28	8.520			85.0
10.0		19.94	272	9.63	8.510			85.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	129.0	26.0	0.164	0.001				
10.0	129.0	29.0	0.168	0.002				

DEPTH	SPC 20	SPC 35
1.0		
10.0		

C-REF-NO 006
CONS. NO 073
COUNTRY 18
INSTITUTE 22

LAT 43-19-57N
LON 079-08-51W

YEAR 1966
MONTH 07
DAY 08
TIME 1431

NO. DEPTHS 05
SOUNDING 0081
BT SLIDE NO 073

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	2.0	21.55	276	9.74	8.620			87.0
10.0		5.49	281	12.42	8.160			90.0
20.0		4.35	280	12.51	8.110			90.0
30.0		4.12	280	12.67	8.080			90.0
50.0		4.09	281	12.35	8.080			90.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	131.0	26.0	0.271	0.004		0.000	280E03	000E00
10.0	134.0	26.0	0.590	0.005			160E03	
20.0	134.5	25.5	0.610	0.005			124E02	
30.0	134.5	26.0	0.612	0.003			680E01	
50.0	134.0	27.5	0.617	0.003			520E01	000E00

DEPTH	SPC 20	SPC 35
1.0		310E02
10.0		
20.0		
30.0		
50.0	800E01	350E01

C-REF-NO 006
CONS. NO 074
COUNTRY 18
INSTITUTE 22

LAT 43-18-48N
LON 079-05-57W

YEAR 1966
MONTH 07
DAY 08
TIME 1503

NO. DEPTHS 02
SOUNDING 0011
BT SLIDE NO 074

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		23.04	276	8.69	8.510			86.0
7.0		21.96	275	9.11	8.540			86.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	131.0	27.5	0.276	0.004		0.000	800E02	350E01
7.0	131.0	28.0	0.235	0.005			180E03	

DEPTH	SPC 20	SPC 35
1.0	200E03	200E03
7.0		

C-REF-NO 006	LAT 43-21-18N	YEAR 1966	NO. DEPTHS 06
CONS. NO 075	LON 079-05-21W	MONTH 07	SOUNDING 0090
COUNTRY 18		DAY 08	BT SLIDE NO 075
INSTITUTE 22		TIME 1539	

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	2.0	22.88	264	9.07	8.610			86.0
10.0		20.84	272	9.71	8.570			86.0
20.0		5.78	279	12.42	8.210			90.0
30.0		4.54	279	12.64	8.160			90.0
50.0		4.06	278	13.10	8.130			90.0
75.0		3.82	280	12.83	8.120			90.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	130.0	26.5	0.188	0.002		0.000	160E03	000E00
10.0	130.0	26.0	0.213	0.002			220E03	
20.0	134.0	26.0	0.590	0.005			152E02	
30.0	134.0	26.0	0.511	0.004			400E00	
50.0	134.0	26.0	0.519	0.001			320E01	
75.0	134.5	27.5	0.524	0.001			480E01	000E00

DEPTH	SPC 20	SPC 35
1.0	430E02	200E02
10.0		
20.0		
30.0		
50.0		
75.0	300E01	200E01

C-REF-NO 006 LAT 43-22-57N YEAR 1966 NO. DEPTHS 06
CONS. NO 076 LON 079-08-51W MONTH 07 SOUNDING 0106
COUNTRY 18 DAY 08 BT SLIDE NO 076
INSTITUTE 22 TIME 1626

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	2.8	21.67	277	9.46	8.600			86.0
10.0		17.20	277	9.50	8.350			88.0
20.0		5.81	279	12.58	8.180			90.0
30.0		4.99	279	12.90	8.140			90.0
50.0		4.27	280	12.80	8.110			90.0
75.0		3.91	277	13.15	8.100			90.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	131.0	27.5	0.281	0.004				000E00
10.0	132.0	27.0	0.416	0.004				
20.0	134.0	26.0	0.592	0.003			170E01	
30.0	134.0	26.0	0.602	0.003			800E01	
50.0	134.0	26.0	0.613	0.002			110E01	
75.0	134.0	28.0	0.619	0.001			400E00	000E00

DEPTH	SPC 20	SPC 35
1.0	550E01	300E02
10.0		
20.0		
30.0		
50.0		
75.0	850E01	100E01

C-REF-NO 006
CONS. NO 077
COUNTRY 18
INSTITUTE 22

LAT 43-24-21N
LON 079-05-03W

YEAR 1966
MONTH 07
DAY 08
TIME 1707

NO. DEPTHS 07
SOUNDING 0113
BT SLIDE NO 077

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	3.0	22.15	278	9.47	8.580			86.0
10.0		21.24	275	8.68	8.520			87.0
20.0		7.08	280	12.49	8.170			90.0
30.0		5.16	278	12.95	8.140			90.0
50.0		4.20	279	13.16	8.130			90.0
75.0		3.91	282	12.62	8.120			90.0
100.0		3.84	281	13.14	8.090			91.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	130.5	30.0	0.231	0.004		0.000		300E00
10.0	131.0	26.5	0.295	0.005				
20.0	133.5	26.0	0.508	0.002				
30.0	134.0	26.5	0.607	0.003			340E01	
50.0	134.5	26.5	0.613	0.002			220E01	
75.0	134.0	26.5	0.614	0.001			620E01	
100.0	134.5	28.5	0.619	0.001			580E01	000E00

DEPTH	SPC 20	SPC 35
1.0	120E02	650E01
10.0		
20.0		
30.0		
50.0		
75.0		
100.0	100E01	300E01

C-REF-NO 006
CONS. NO 078
COUNTRY 18
INSTITUTE 22

LAT 43-22-33N
LON 079-01-48W

YEAR 1966
MONTH 07
DAY 08
TIME 1751

NO. DEPTHS 06
SOUNDING 0099
BT SLIDE NO 078

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	2.9	22.76	274	9.65	8.600			86.0
10.0		22.63	275	9.58	8.590			87.0
20.0		6.10	279	12.08	8.160			91.0
30.0		5.02	280	12.32	8.130			90.0
50.0		4.25	282	12.81	8.100			96.0
75.0		4.04	280	12.46	8.070			96.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	130.5	28.0	0.211	0.004		0.000		000E00
10.0	131.0	27.0	0.230	0.005				
20.0	133.5	26.5	0.580	0.005			640E01	
30.0	134.0	28.0	0.604	0.006				
50.0	134.0	26.0	0.612	0.003			680E01	
75.0	134.5	28.0	0.616	0.004			360E01	000E00

DEPTH	SPC 20	SPC 35
1.0	200E01	
10.0		
20.0		
30.0		
50.0		
75.0	550E01	100E01

C-REF-NO 006
CONS. NO 079
COUNTRY 18
INSTITUTE 22

LAT 43-19-33N
LON 079-02-06W

YEAR 1966
MONTH 07
DAY 08
TIME 1831

NO. DEPTHS 02
SOUNDING 0018
BT SLIDE NO 079

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	2.2	23.52	277	9.12	8.420			93.0
10.0		23.32	275	8.41	8.500			93.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	130.0	28.5	0.281	0.004		0.002	500E02	700E00
10.0	130.0	28.5	0.281	0.004			100E02	

DEPTH	SPC 20	SPC 35
1.0	120E03	920E02
10.0		

C-REF-NO 006	LAT 43-17-27N	YEAR 1966	NO. DEPTHS 01
CONS. NO 080	LON 079-01-42W	MONTH 07	SOUNDING 0009
COUNTRY 18		DAY 08	BT SLIDE NO 080
INSTITUTE 22		TIME 1858	

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	3.5	23.39	275	8.63	8.620			92.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	131.0	28.0	0.183	0.002		0.000	800E02	000E00

DEPTH	SPC 20	SPC 35
1.0	600E02	190E02

C-REF-NO 006	LAT 43-17-54N	YEAR 1966	NO. DEPTHS 01
CONS. NO 081	LON 078-58-48W	MONTH 07	SOUNDING 0012
COUNTRY 18		DAY 08	BT SLIDE NO 081
INSTITUTE 22		TIME 1923	

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	3.3	23.36	275	9.17	8.560			92.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	130.5	28.0	0.212	0.003		0.000	100E03	000E00

DEPTH	SPC 20	SPC 35
1.0	800E01	160E02

C-REF-NO 006	LAT 43-19-24N	YEAR 1966	NO. DEPTHS 02
CONS. NO 082	LON 078-54-39W	MONTH 07	SOUNDING 0018
COUNTRY 18		DAY 08	BT SLIDE NO 082
INSTITUTE 22		TIME 1957	

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	2.5	22.62	273	9.07	8.650			92.0
10.0		22.34	274	8.79	8.590			92.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	131.0	28.0	0.133	0.002		0.003		000E00
10.0	131.0	28.5	0.236	0.004				

DEPTH	SPC 20	SPC 35
1.0	390E02	950E02
10.0		

C-REF-NO 006 LAT 43-20-54N YEAR 1966 NO. DEPTHS 05
CONS. NO 083 LON 078-58-27W MONTH 07 SOUNDING 0067
COUNTRY 18 DAY 08 BT SLIDE NO 083
INSTITUTE 22 TIME 2055

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	3.0	22.87	275	9.08	8.640			91.0
10.0		21.34	278	8.46	8.480			92.0
20.0		6.48	282	9.23	8.140			96.0
30.0		4.59	280	8.40	8.100			96.0
50.0		3.97	279	8.81	8.120			96.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	130.5	28.5	0.212	0.003		0.001		000E00
10.0	131.0	26.5	0.282	0.003				
20.0	134.0	26.5	0.580	0.005			420E01	
30.0	134.5	26.5	0.608	0.007			500E01	
50.0	134.0	28.0	0.619	0.001			500E01	000E00

DEPTH	SPC 20	SPC 35
1.0	200E03	550E02
10.0		
20.0		
30.0		
50.0	400E01	850E01

C-REF-NO 006 LAT 43-24-09N YEAR 1966 NO. DEPTHS 07
CONS. NO 084 LON 078-58-06W MONTH 07 SOUNDING 0105
COUNTRY 18 DAY 08 BT SLIDE NO 084
INSTITUTE 22 TIME 2155

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	3.3	22.99	273	9.17	8.640			92.0
10.0		19.97	274	9.22	8.530			92.0
20.0		7.96	280	11.52	8.200			96.0
30.0		4.69	280	11.82	8.110			96.0
50.0		4.03	280	12.25	8.090			96.0
75.0		3.91	282	12.34	8.090			91.0
90.0		3.84	281	10.80	8.090			92.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	129.5	28.0	0.178	0.002				000E00
10.0	131.0	28.0	0.262	0.003				
20.0	133.5	27.0	0.493	0.002			760E01	
30.0	134.0	26.5	0.608	0.002			480E01	
50.0	134.5	26.5	0.619	0.001			380E01	
75.0	132.0	25.5	0.604	0.001			120E01	
90.0	133.5	25.0	0.612	0.003			480E01	000E00

DEPTH	SPC 20	SPC 35
1.0	250E01	200E01
10.0		
20.0		
30.0		
50.0		
75.0		
90.0	250E01	200E01

C-REF-NO 006 LAT 43-22-18N YEAR 1966 NO. DEPTHS 06
CONS. NO 085 LON 078-54-24W MONTH 07 SOUNDING 0091
COUNTRY 18 DAY 08 BT SLIDE NO 085
INSTITUTE 22 TIME 2245

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	2.5	22.86	269	9.34	8.630			89.0
10.0		21.47	275	9.02	8.590			89.0
20.0		7.33	283	12.00	8.120			92.0
30.0		5.41	281	11.96	8.080			92.0
50.0		4.40	281	12.96	8.060			92.0
75.0		3.92	289	10.32	7.950			93.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	130.5	24.0	0.286	0.009		0.000		000E00
10.0	130.5	26.5	0.197	0.003				
20.0	133.5	23.5	0.552	0.003			740E01	
30.0	134.0	25.5	0.587	0.008			940E01	
50.0	134.5	25.5	0.605	0.005			440E01	
75.0	135.5	26.5	0.623	0.002			300E01	000E00

DEPTH	SPC 20	SPC 35
1.0	120E03	120E03
10.0		
20.0		
30.0		
50.0		
75.0	210E02	100E02

C-REF-NO 006	LAT 43-22-48N	YEAR 1966	NO. DEPTHS 05
CONS. NO 086	LON 077-39-00W	MONTH 07	SOUNDING 0077
COUNTRY 18		DAY 09	BT SLIDE NO 086
INSTITUTE 22		TIME 0414	

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		20.98	272		8.680			87.0
10.0		20.95	274	9.58	8.690			86.0
20.0		10.73	283	11.03	8.260			92.0
30.0		7.26	284	11.57	8.150			92.0
50.0		4.66	284	12.16	8.080			93.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	126.5	26.5	0.124	0.001			000E00	000E00
10.0	126.5	26.5	0.124	0.001			000E00	
20.0	133.0	26.5	0.273	0.002			110E01	
30.0	134.0	26.5	0.529	0.001			100E00	
50.0	134.0	26.5	0.614	0.001			500E00	000E00

DEPTH	SPC 20	SPC 35
1.0		100E01
10.0		
20.0		
30.0		
50.0		500E00

C-REF-NO 006	LAT 43-20-06N	YEAR 1966	NO. DEPTHS 02
CONS. NO 087	LON 077-39-09W	MONTH 07	SOUNDING 0022
COUNTRY 18		DAY 09	BT SLIDE NO 087
INSTITUTE 22		TIME 0455	

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		21.14	268	9.60	8.620			86.0
10.0		20.98	267	10.15	8.630			86.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	126.5	25.5	0.125	0.000			700E00	
10.0	126.5	26.5	0.125	0.000			150E01	

DEPTH	SPC 20	SPC 35
1.0	580E02	150E01
10.0		

C-REF-NO 006	LAT 43-18-18N	YEAR 1966	NO. DEPTHS 02
CONS. NO 088	LON 077-36-18W	MONTH 07	SOUNDING 0020
COUNTRY 18		DAY 09	BT SLIDE NO 088
INSTITUTE 22		TIME 0524	

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		21.26	254	9.59	8.600			86.0
10.0		21.29	257	9.43	8.630			86.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	127.0	26.0	0.125	0.000			300E01	
10.0	127.0	26.0	0.125	0.000			100E01	

DEPTH	SPC 20	SPC 35
1.0	640E01	150E01
10.0		

C-REF-NO 006	LAT 43-21-09N	YEAR 1966	NO. DEPTHS 05
CONS. NO 089	LON 077-36-00W	MONTH 07	SOUNDING 0062
COUNTRY 18		DAY 09	BT SLIDE NO 089
INSTITUTE 22		TIME 0603	

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		21.25	266	9.81	8.690			86.0
10.0		21.19	267	10.06	8.680			86.0
20.0		10.48	275	12.48	8.470			90.0
30.0		6.59	280	12.23	8.150			92.0
50.0		3.93	282	12.37	8.080			91.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	127.0	26.0	0.125	0.000			400E00	000E00
10.0	127.0	26.5	0.130	0.000			200E00	
20.0	132.0	25.5	0.178	0.002			300E00	
30.0	134.0	25.0	0.578	0.002			500E00	
50.0	134.5	25.5	0.614	0.001			100E00	000E00

DEPTH	SPC 20	SPC 35
1.0	450E01	200E01
10.0		
20.0		
30.0		
50.0	130E02	100E01

C-REF-NO 006 LAT 43-24-15N YEAR 1966 NO. DEPTHS 07
CONS. NO 090 LON 077-35-36W MONTH 07 SOUNDING 0137
COUNTRY 18 DAY 09 BT SLIDE NO 090
INSTITUTE 22 TIME 0644

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		20.01	268	10.69	8.660			84.0
10.0		16.47	268	12.19	8.670			86.0
20.0		8.09	279	12.20	8.160			91.0
30.0		6.35	281	12.46	8.150			91.0
50.0		4.73	279	12.86	8.130			91.0
75.0		3.94	278	12.92	8.120			91.0
100.0		3.85	279	12.84	8.110			91.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	126.0	26.0	0.115	0.000			000E00	000E00
10.0	127.0	26.0	0.115	0.000			600E00	
20.0	133.5	26.5	0.458	0.002			130E01	
30.0	133.5	26.0	0.559	0.001			000E00	
50.0	133.5	25.5	0.604	0.001			170E01	
75.0	134.0	25.5	0.615	0.000			000E00	
100.0	134.0	25.5	0.615	0.000			100E00	000E00

DEPTH	SPC 20	SPC 35
1.0	300E01	500E00
10.0		
20.0		
30.0		
50.0		
75.0		
100.0	500E00	500E00

C-REF-NO 006
CONS. NO 091
COUNTRY 18
INSTITUTE 22

LAT 43-22-39N
LON 077-32-06W

YEAR 1966
MONTH 07
DAY 09
TIME 0727

NO. DEPTHS 07
SOUNDING 0124
BT SLIDE NO 091

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		20.12	267	10.77	8.670			85.0
10.0		16.27	266	11.32	8.620			87.0
20.0		7.89	270	12.62	8.210			91.0
30.0		7.30	272	12.36	8.190			91.0
50.0		5.54	279	12.92	8.150			91.0
75.0		4.39	280	12.87	8.120			91.0
100.0		3.82	282	12.65	8.120			91.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	126.0	25.5	0.110	0.000			200E00	000E00
10.0	128.0	25.5	0.125	0.000			100E00	
20.0	133.5	25.5	0.524	0.001			900E00	
30.0	133.5	25.5	0.554	0.001			000E00	
50.0	134.0	26.0	0.594	0.001			500E00	
75.0	134.0	26.0	0.609	0.001			500E00	
100.0	135.0	26.5	0.619	0.001			000E00	000E00

DEPTH	SPC 20	SPC 35
1.0	450E01	150E01
10.0		
20.0		
30.0		
50.0		
75.0		
100.0	100E01	500E00

C-REF-NO 006
CONS. NO 092
COUNTRY 18
INSTITUTE 22

LAT 43-19-39N
LON 077-32-06W

YEAR 1966
MONTH 07
DAY 09
TIME 0815

NO. DEPTHS 04
SOUNDING 0051
BT SLIDE NO 092

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		21.31	268	9.81	8.570			86.0
10.0		21.24	267	9.78	8.670			85.0
20.0		11.71	274	12.92	8.460			89.0
30.0		5.81	265	12.58	8.220			91.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	127.0	26.0	0.120	0.000			400E00	000E00
10.0	127.0	25.0	0.115	0.000			000E00	
20.0	131.5	26.0	0.178	0.002			500E00	
30.0	134.0	25.5	0.593	0.002			500E00	000E00

DEPTH	SPC 20	SPC 35
1.0	350E01	100E01
10.0		
20.0		
30.0	150E01	150E01

C-REF-NO 006
CONS. NO 093
COUNTRY 18
INSTITUTE 22

LAT 43-16-39N
LON 077-32-45W

YEAR 1966
MONTH 07
DAY 09
TIME 0853

NO. DEPTHS 02
SOUNDING 0022
BT SLIDE NO 093

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		22.56	268	8.61	8.670			85.0
10.0		21.57	269	9.25	8.620			85.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	127.0	25.0	0.125	0.000				130E02
10.0	127.0	25.5	0.130	0.000			920E02	

DEPTH	SPC 20	SPC 35
1.0	440E03	240E03
10.0		

C-REF-NO 006	LAT 43-15-51N	YEAR 1966	NO. DEPTHS 02
CONS. NO 094	LON 077-30-06W	MONTH 07	SOUNDING 0016
COUNTRY 18		DAY 09	BT SLIDE NO 094
INSTITUTE 22		TIME 0923	

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		22.29	269	8.85	8.610			85.0
10.0		21.40	266	9.57	8.660			85.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	127.5	24.5	0.130	0.000			400E00	000E00
10.0	127.5	25.0	0.125	0.000			200E00	

DEPTH	SPC 20	SPC 35
1.0	400E01	150E01
10.0		

C-REF-NO 006
CONS. NO 095
COUNTRY 18
INSTITUTE 22

LAT 43-17-09N
LON 077-26-24W

YEAR 1966
MONTH 07
DAY 09
TIME 0954

NO. DEPTHS 02
SOUNDING 0020
BT SLIDE NO 095

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		22.26	269	8.85	8.670			85.0
10.0		21.49	269	9.52	8.620			86.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	128.0	25.5						
10.0	127.0	26.0						

DEPTH	SPC 20	SPC 35
1.0	660E02	150E02
10.0		

C-REF-NO 006
CONS. NO 096
COUNTRY 18
INSTITUTE 22

LAT 43-18-03N
LON 077-29-09W

YEAR 1966
MONTH 07
DAY 09
TIME 1025

NO. DEPTHS 04
SOUNDING 0042
BT SLIDE NO 096

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	4.0	22.06	269	8.95	8.670			85.0
10.0		21.19	266	9.62	8.640			85.0
20.0		17.49	272	9.51	8.430			87.0
30.0		6.85	275	11.72	8.170			90.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	126.5	26.0					200E01	000E00
10.0	126.0	26.0					600E00	
20.0	130.0	25.5					300E00	
30.0	133.0	25.0					220E01	000E00

DEPTH	SPC 20	SPC 35
1.0	170E02	200E01
10.0		
20.0		
30.0	570E02	130E02

C-REF-NO 006
CONS. NO 097
COUNTRY 18
INSTITUTE 22

LAT 43-21-03N
LON 077-28-39W

YEAR 1966
MONTH 07
DAY 09
TIME 1103

NO. DEPTHS 07
SOUNDING 0121
BT SLIDE NO 097

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	5.9	20.46	258	10.27	8.630			84.0
10.0		20.45		10.37	8.710			84.0
20.0		8.09	275	13.76	8.380			90.0
29.0		5.61	278	12.65	8.140			90.0
49.0		4.39	280	12.55	8.110			89.0
73.0		3.89	279	12.79	8.110			90.0
98.0		3.82	279	12.76	8.120			90.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	125.5	26.0					000E00	000E00
10.0	125.0	26.0					000E00	
20.0	132.0	26.0					500E00	
29.0	133.0	26.0					500E00	
49.0	133.0	26.5					000E00	
73.0	133.0	26.0					000E00	
98.0	133.5	26.0					100E00	

DEPTH	SPC 20	SPC 35
1.0	500E00	500E00
10.0		
20.0		
29.0		
49.0		
73.0		
98.0	500E00	500E00

C-REF-NO 006
CONS. NO 098
COUNTRY 18
INSTITUTE 22

LAT 43-22-24N
LON 077-24-48W

YEAR 1966
MONTH 07
DAY 09
TIME 1153

NO. DEPTHS 08
SOUNDING 0183
BT SLIDE NO 098

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	6.0	20.88	267	9.82	8.660			84.0
10.0		20.71	267	9.90	8.670			84.0
20.0		6.33	278	12.94	8.230			90.0
30.0		5.25	279	12.47	8.130			90.0
50.0		4.25	280	12.90	8.130			90.0
75.0		3.90	280	12.87	8.080			90.0
100.0		3.86	280	12.92	8.100			90.0
150.0		3.80	279	12.97	8.130			90.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	125.0	26.0						
10.0	125.5	25.0					100E00	
20.0	132.5	25.5					000E00	
30.0	133.5	26.0					000E00	
50.0	133.0	25.5					000E00	
75.0	133.5	26.0					000E00	
100.0	133.5	25.5					000E00	
150.0	133.0	26.5					000E00	200E00

DEPTH	SPC 20	SPC 35
1.0		500E00
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
150.0	250E01	150E01

C-REF-NO 006
CONS. NO 099
COUNTRY 18
INSTITUTE 22

LAT 43-19-21N
LON 077-25-12W

YEAR 1966
MONTH 07
DAY 09
TIME 1241

NO. DEPTHS 05
SOUNDING 0068
BT SLIDE NO 099

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	5.5	21.47	267	9.65	8.670			84.0
10.0		21.48	268	9.49	8.670			85.0
20.0		12.22	276	11.08	8.260			90.0
30.0		6.94	278	12.28	8.170			90.0
50.0		4.45	281	12.42	8.090			90.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	125.0	26.5					100E00	000E00
10.0	125.5	26.0					100E00	
20.0	132.0	26.0					800E00	
30.0	132.5	26.5					400E00	
50.0	133.5	25.5					200E00	000E00

DEPTH	SPC 20	SPC 35
1.0	150E01	150E01
10.0		
20.0		
30.0		
50.0	150E01	100E01

C-REF-NO 006
CONS. NO 100
COUNTRY 18
INSTITUTE 22

LAT 43-17-21N
LON 077-22-21W

YEAR 1966
MONTH 07
DAY 09
TIME 1323

NO. DEPTHS 02
SOUNDING 0015
BT SLIDE NO 100

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	5.0	22.55	270	8.88	8.620			85.0
9.0		22.28	269	8.85	8.610			85.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	126.5	26.0					160E02	
9.0	126.0	26.0					175E02	

DEPTH	SPC 20	SPC 35
1.0	220E02	300E01
9.0		

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

LAT 43-20-42N
LON 077-21-33W

YEAR 1966
MONTH 07
DAY 09
TIME 1406

NO. DEPTHS 06
SOUNDING 0093
BT SLIDE NO 101

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	7.0	21.34	266		8.700			85.0
10.0		21.09	265	10.00	8.680			85.0
20.0		8.45	278	11.87	8.180			90.0
30.0		6.38	279	12.38	8.140			90.0
50.0		4.79	278		8.120			89.0
75.0		4.05	279	12.76	8.140			90.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	126.0	26.0					300E00	000E00
10.0	126.0	25.5					200E00	
20.0	132.0	26.0					140E01	
30.0	132.0	25.5					000E00	
50.0	132.0	26.0					400E00	
75.0	134.0	26.0					000E00	000E00

DEPTH	SPC 20	SPC 35
1.0	500E00	200E00
10.0		
20.0		
30.0		
50.0		
75.0	300E01	100E01

C-REF-NO 006
CONS. NO 102
COUNTRY 18
INSTITUTE 22

LAT 43-30-24N
LON 077-03-00W

YEAR 1966
MONTH 07
DAY 09
TIME 1617

NO. DEPTHS 09
SOUNDING 0210
BT SLIDE NO 102

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		18.85	272	10.67	8.690			86.0
10.0		17.49	274	10.97	8.600			86.0
20.0		6.69	278	12.69	8.200			89.0
30.0		5.34	279	12.78	8.180			89.0
50.0		4.42	279	12.91	8.150			89.0
75.0		3.91	279	12.90	8.060			89.0
100.0		3.86	281	12.99	8.080			88.0
150.0		3.80	278	12.78	8.090			88.0
200.0		3.71	279	12.74	8.090			89.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	128.0	26.0						
10.0	127.0	26.0						
20.0	131.5	26.0						
30.0	132.0	26.0						
50.0	132.0	25.5						
75.0	133.0	25.5						
100.0	132.5	25.5						
150.0	132.5	25.5						
200.0	132.0	25.0						

DEPTH	SPC 20	SPC 35
1.0		
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
150.0		
200.0		

C-REF-NO 006
CONS. NO 103
COUNTRY 18
INSTITUTE 22

LAT 43-34-45N
LON 076-37-12W

YEAR 1966
MONTH 07
DAY 09
TIME 1837

NO. DEPTHS 08
SOUNDING 0192
BT SLIDE NO 103

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	6.5	20.87	269	10.19	8.710			84.0
10.0		10.93	268	16.32	8.710			84.0
20.0		5.37	279	12.74	8.140			90.0
30.0		4.75	279	12.96	8.100			90.0
50.0		3.97	280	13.01	8.120			90.0
75.0		3.89	280	12.99	8.190			90.0
100.0		3.86	279	12.90	8.140			90.0
150.0		3.77	279		8.130			90.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	125.5	25.5						
10.0	125.5	26.0						
20.0	132.5	25.5						
30.0	133.0	26.5						
50.0	132.5	25.5						
75.0	135.0	25.5						
100.0	133.0	26.0						
150.0	134.0	25.0						

DEPTH	SPC 20	SPC 35
1.0		
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		
150.0		

C-REF-NO 006 | LAT 43-31-48N | YEAR 1966 | NO. DEPTHS 07
CONS. NO 104 | LON 076-37-33W | MONTH 07 | SOUNDING 0148
COUNTRY 18 | | DAY 09 | BT SLIDE NO 104
INSTITUTE 22 | | TIME 1929 |

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	5.5	20.95	267	10.40	8.710			83.0
10.0		19.36	267	11.18	8.670			83.0
20.0		5.73	279	13.61	8.240			90.5
30.0		4.74	279	12.86	8.180			90.5
50.0		4.23	279	12.86	8.160			90.5
75.0		3.88	280	12.91	8.110			90.5
100.0		3.83	280	12.93	8.130			90.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	124.0	26.0						
10.0	127.0	26.0						
20.0	133.0	25.5						
30.0	135.0	25.0						
50.0	133.0	24.0						
75.0	134.0	26.0						
100.0	133.0	26.5						

DEPTH	SPC 20	SPC 35
1.0		
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		

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

LAT 43-28-48N
LON 076-37-39W

YEAR 1966
MONTH 07
DAY 09
TIME 2018

NO. DEPTHS 05
SOUNDING 0070
BT SLIDE NO 105

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	4.8	23.50	267	9.17	8.700			84.0
10.0		22.62		9.15				85.0
20.0		9.11	278	11.70	8.200			90.0
30.0		6.84	277	12.05	8.220			90.0
50.0		4.76	280	12.42	8.150			90.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	125.0	26.0						
10.0	129.0	26.0						
20.0	132.0	26.0						
30.0	133.0	26.0						
50.0	133.0	25.0						

DEPTH	SPC 20	SPC 35
1.0		
10.0		
20.0		
30.0		
50.0		

C-REF-NO 006
CONS. NO 106
COUNTRY 18
INSTITUTE 22

LAT 43-25-42N
LON 076-38-21W

YEAR 1966
MONTH 07
DAY 09
TIME 2057

NO. DEPTHS 02
SOUNDING 0020
BT SLIDE NO 106

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	3.9	23.07	269	8.69	8.700			85.0
10.0		22.84	268	9.01	8.680			85.0

DEPTH	HARD	CL	NO3NO2	ND2	R PO4	PHEN	MF COL	MF ENT
1.0	127.0	26.0						
10.0	127.0	26.0						

DEPTH	SPC 20	SPC 35
1.0		
10.0		

C-REF-NO 006	LAT 43-27-33N	YEAR 1966	NO. DEPTHS 02
CONS. NO 107	LON 076-34-54W	MONTH 07	SOUNDING 0018
COUNTRY 18		DAY 09	BT SLIDE NO 107
INSTITUTE 22		TIME 2142	

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	4.0	23.30	267	9.60	8.690			85.0
10.0		22.90	267	8.43	8.670			85.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	127.0	26.0					700E01	
10.0	127.0	26.0					900E01	

DEPTH	SPC 20	SPC 35
1.0		
10.0		

C-REF-NO 006
CONS. NO 108
COUNTRY 18
INSTITUTE 22

LAT 43-30-08N
LON 076-34-06W

YEAR 1966
MONTH 07
DAY 09
TIME 2225

NO. DEPTHS 05
SOUNDING 0070
BT SLIDE NO 108

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	4.0	24.69	268	9.24	8.710			85.0
10.0		22.46	267	9.37	8.660			85.0
20.0		11.43	276	11.65	8.330			89.0
30.0		6.70	279	11.94	8.210			89.0
50.0		5.00	278	11.97	8.140			89.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	126.0	25.5					170E01	
10.0	131.0	25.5					100E02	
20.0	133.0	25.5					110E01	
30.0	134.0	25.5					600E00	
50.0	127.0	25.5					300E00	

DEPTH	SPC 20	SPC 35
1.0		
10.0		
20.0		
30.0		
50.0		

C-REF-NO 006	LAT 43-29-12N	YEAR 1966	NO. DEPTHS 02
CONS. NO 109	LON 076-31-12W	MONTH 07	SOUNDING 0016
COUNTRY 18		DAY 09	BT SLIDE NO 109
INSTITUTE 22		TIME 2255	

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	3.5	23.54	266		8.690			83.0
10.0		23.18	269		8.700			83.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	127.0	27.0					570E01	
10.0	128.0	26.5					670E01	

DEPTH	SPC 20	SPC 35
1.0		
10.0		

C-REF-NO 006
CONS. NO 110
COUNTRY 18
INSTITUTE 22

LAT 43-31-00N
LON 076-30-39W

YEAR 1966
MONTH 07
DAY 09
TIME 2325

NO. DEPTHS 04
SOUNDING 0051
BT SLIDE NO 110

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	3.5	23.59	268	9.27	8.770			83.0
10.0		22.68	267	8.72	8.700			84.0
20.0		21.75	269	8.52	8.650			84.0
30.0		8.42	279	8.61	8.200			90.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	124.0	26.5					200E02	
10.0	122.0	26.0					100E02	
20.0	124.0	26.0					560E01	
30.0	130.0	26.5					900E00	

DEPTH	SPC 20	SPC 35
1.0		
10.0		
20.0		
30.0		

C-REF-NO 006 LAT 43-33-12N YEAR 1966 NO. DEPTHS 07
CONS. NO 111 LON 076-33-57W MONTH 07 SOUNDING 0146
COUNTRY 18 DAY 10 BT SLIDE NO 111
INSTITUTE 22 TIME 0014

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0	6.0	21.12	266	10.38	8.700			82.0
10.0		17.78	269	11.82	8.690			83.0
20.0		5.84	277	12.90	8.230			89.0
30.0		4.90	279	12.56	8.180			89.0
50.0		4.34	279	12.75	8.140			89.0
75.0		3.97	280	12.54	8.150			89.0
100.0		3.92	280	12.26	8.120			89.0

DEPTH	HARD	CL	NO3NO2	NO2	R P04	PHEN	MF COL	MF ENT
1.0	123.0	27.0						
10.0	126.0	26.5						
20.0	132.0	26.0						
30.0	133.0	26.0						
50.0	133.0	26.0						
75.0	133.0	26.0						
100.0	133.0	26.0						

DEPTH	SPC 20	SPC 35
1.0		
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		

C-REF-NO 006
CONS. NO 112
COUNTRY 18
INSTITUTE 22

LAT 43-36-06N
LON 076-33-54W

YEAR 1966
MONTH 07
DAY 10
TIME 0157

NO. DEPTHS 08
SOUNDING 0168
BT SLIDE NO 112

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		21.19	269	9.94	8.700			83.0
10.0		21.28	269	10.09	8.700			83.0
19.0		20.24	268	10.22	8.740			83.0
29.0		8.16	274	11.10	8.660			88.0
48.0		5.05	278	11.90	8.140			88.0
72.0		3.96	279	13.31	8.150			88.0
96.0		3.84	278	12.66	8.150			88.0
143.0		3.74	280	11.80				89.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	126.0	27.5						
10.0	126.0	27.0						
19.0	127.0	26.5						
29.0	131.0	25.5						
48.0	134.0	25.5						
72.0	133.0	26.0						
96.0	130.0	26.0						
143.0	131.0	26.5						

DEPTH	SPC 20	SPC 35
1.0		
10.0		
19.0		
29.0		
48.0		
72.0		
96.0		
143.0		

C-REF-NO 006 LAT 43-34-27N YEAR 1966 NO. DEPTHS 06
CONS. NO 113 LON 076-30-12W MONTH 07 SOUNDING 0114
COUNTRY 18 DAY 10 BT SLIDE NO 113
INSTITUTE 22 TIME 0150

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		22.13	268	9.97	8.710			82.0
10.0		18.89	268	10.86	8.680			82.0
20.0		6.38	278	11.66	8.270			88.0
30.0		5.13	278	11.84	8.160			89.0
50.0		4.33	279	12.35	8.150			88.0
75.0		3.93	279	12.46	8.150			88.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	124.0	26.0						
10.0	123.0	26.0						
20.0	130.0	27.5						
30.0	130.0	26.5						
50.0	130.0	25.5						
75.0	130.0	25.5						

DEPTH	SPC 20	SPC 35
1.0		
10.0		
20.0		
30.0		
50.0		
75.0		

C-REF-NO 006
CONS. NO 114
COUNTRY 18
INSTITUTE 22

LAT 43-32-06N
LON 076-26-51W

YEAR 1966
MONTH 07
DAY 10
TIME 0240

NO. DEPTHS 04
SOUNDING 0037
BT SLIDE NO 114

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		23.12	273	9.29	8.710			83.0
10.0		22.99	273	9.05	8.680			83.0
20.0		21.51	272	9.00	8.610			83.0
30.0		7.60	279	8.60	8.150			88.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	126.0	26.5					520E01	
10.0	126.5						200E01	
20.0	126.0						240E01	
30.0	131.0						400E00	

DEPTH	SPC 20	SPC 35
1.0		
10.0		
20.0		
30.0		

C-REF-NO 006	LAT 43-33-09N	YEAR 1966	NO. DEPTHS 04
CONS. NO 115	LON 076-23-18W	MONTH 07	SOUNDING 0039
COUNTRY 18		DAY 10	BT SLIDE NO 115
INSTITUTE 22		TIME 0319	

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		22.81	271	8.85	8.680			82.0
10.0		22.79	272	9.39	8.700			82.0
20.0		16.77	273	10.02	8.430			85.0
30.0		7.41	280	9.50	8.200			87.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	125.0	26.5						
10.0	125.0	27.5						
20.0	128.0	27.5						
30.0	130.0	26.0						

DEPTH	SPC 20	SPC 35
1.0		
10.0		
20.0		
30.0		

C-REF-NO 006
CONS. NO 116
COUNTRY 18
INSTITUTE 22

LAT 43-35-12N
LON 076-26-33W

YEAR 1966
MONTH 07
DAY 10
TIME 0359

NO. DEPTHS 06
SOUNDING 0090
BT SLIDE NO 116

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		22.92	268	10.04	8.700			82.0
10.0		20.76	268	11.15	8.740			82.0
20.0		6.74	279	12.22	8.220			88.0
30.0		5.75	280	12.70	8.140			88.0
50.0		4.42	282	13.10	8.110			88.0
75.0		4.06	281	12.95	8.140			88.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	125.0	26.5						
10.0	124.0	26.0						
20.0	130.0	26.0						
30.0	130.0	26.0						
50.0	130.0	25.5						
75.0	131.0	26.5						

DEPTH	SPC 20	SPC 35
1.0		
10.0		
20.0		
30.0		
50.0		
75.0		

C-REF-NO 006
CONS. NO 117
COUNTRY 18
INSTITUTE 22

LAT 43-37-12N
LON 076-29-57W

YEAR 1966
MONTH 07
DAY 10
TIME 0442

NO. DEPTHS 07
SOUNDING 0152
BT SLIDE NO 117

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		20.64	268	10.14	8.730			83.0
10.0		12.05	269	11.10	8.750			85.0
20.0		5.28	279	13.15	8.120			88.0
30.0		4.70	278	13.39	8.130			87.0
50.0		4.25	279	13.51	8.210			87.0
75.0		3.95	278	13.33	8.140			87.0
100.0		3.86	278	13.25	7.890			87.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	124.0	26.0						
10.0	126.0	25.5						
20.0	133.0	25.5						
30.0	130.0	25.5						
50.0	131.0	26.0						
75.0	131.0	26.0						
100.0	131.0	26.5						

DEPTH	SPC 20	SPC 35
1.0		
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		

C-REF-NO 006
CONS. NO 118
COUNTRY 18
INSTITUTE 22

LAT 43-38-24N
LON 076-26-21W

YEAR 1966
MONTH 07
DAY 10
TIME 0525

NO. DEPTHS 07
SOUNDING 0117
BT SLIDE NO 118

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		20.94	267	10.29	8.730			82.0
10.0		18.12	278	13.17	8.180			88.0
20.0		6.02	274	12.90	8.140			88.0
30.0		5.30	280	12.35	8.140			87.0
50.0		4.05	277	11.90	8.120			88.0
75.0		3.92	280	12.29	8.120			88.0
100.0		3.85	278	11.59	8.100			87.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	123.0	26.0						
10.0	131.0	25.5						
20.0	130.0	25.5						
30.0	130.0	25.5						
50.0	130.0	25.5						
75.0	130.0	26.5						
100.0	130.0	26.0						

DEPTH	SPC 20	SPC 35
1.0		
10.0		
20.0		
30.0		
50.0		
75.0		
100.0		

C-REF-NO 006 LAT 43-36-12N YEAR 1966 NO. DEPTHS 05
CONS. NO 119 LON 076-22-51W MONTH 07 SOUNDING 0064
COUNTRY 18 DAY 10 BT SLIDE NO 119
INSTITUTE 22 TIME 0612

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		22.77	267	8.96	8.690			81.0
10.0		22.17	266	11.04	8.680			83.0
20.0		15.36	269	12.46	8.590			83.0
30.0		6.63	278	11.61	8.250			87.0
50.0		4.62	280	12.16	8.170			87.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	123.0	27.0						
10.0	125.0	25.5						
20.0	125.0	27.0						
30.0	131.0	26.5						
50.0	131.0	26.5						

DEPTH	SPC 20	SPC 35
1.0		
10.0		
20.0		
30.0		
50.0		

C-REF-NO 006
CONS. NO 120
COUNTRY 18
INSTITUTE 22

LAT 43-34-06N
LON 076-19-54W

YEAR 1966
MONTH 07
DAY 10
TIME 0652

NO. DEPTHS 04
SOUNDING 0038
BT SLIDE NO 120

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		23.32	275	10.38	8.740			82.0
10.0		22.96	268	9.25	8.730			82.0
20.0		21.95	268	9.02	8.640			82.0
30.0		7.39	281	11.00	8.230			87.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	125.0	26.0						
10.0	125.0	28.5						
20.0	131.0	27.0						
30.0	131.0	26.5						

DEPTH	SPC 20	SPC 35
1.0		
10.0		
20.0		
30.0		

C-REF-NO 006	LAT 43-31-48N	YEAR 1966	NO. DEPTHS 01
CONS. NO 121	LON 076-20-00W	MONTH 07	SOUNDING 0009
COUNTRY 18		DAY 10	BT SLIDE NO 121
INSTITUTE 22		TIME 0726	

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		22.93	274	9.08	8.720			82.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	125.0	27.0						

DEPTH	SPC 20	SPC 35
1.0		

C-REF-NO 006	LAT 43-32-30N	YEAR 1966	NO. DEPTHS 01
CONS. NO 122	LON 076-16-18W	MONTH 07	SOUNDING 0013
COUNTRY 18		DAY 10	BT SLIDE NO 122
INSTITUTE 22		TIME 0753	

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		22.81	272	9.10	8.720			82.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	125.0	26.5						

DEPTH	SPC 20	SPC 35
1.0		

C-REF-NO 006 LAT 43-35-27N YEAR 1966 NO. DEPTHS 03
CONS. NO 123 LON 076-16-06W MONTH 07 SOUNDING 0026
COUNTRY 18 DAY 10 BT SLIDE NO 123
INSTITUTE 22 TIME 0831

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		22.59	270	9.04	8.700			83.0
10.0		22.53	270	8.85	8.690			83.0
20.0		21.92	269	8.93	8.670			83.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	126.0	27.0						
10.0	126.0	26.5						
20.0	126.0	26.0						

DEPTH	SPC 20	SPC 35
1.0		
10.0		
20.0		

C-REF-NO 006
CONS. NO 124
COUNTRY 18
INSTITUTE 22

LAT 43-37-06N
LON 076-19-18W

YEAR 1966
MONTH 07
DAY 10
TIME 0906

NO. DEPTHS 04
SOUNDING 0046
BT SLIDE NO 124

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		23.06	268	8.80	8.690			83.0
10.0		23.06	268	8.79	8.710			83.0
20.0		20.61	267	9.81	8.670			83.0
30.0		7.28	278	11.71	8.200			89.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	125.0	26.0						
10.0	128.0	26.0						
20.0	131.0	26.5						
30.0	131.0	26.5						

DEPTH	SPC 20	SPC 35
1.0		
10.0		
20.0		
30.0		

C-REF-NO 006 LAT 43-39-09N YEAR 1966 NO. DEPTHS 05
CONS. NO 125 LON 076-22-24W MONTH 07 SOUNDING 0073
COUNTRY 18 DAY 10 BT SLIDE NO 125
INSTITUTE 22 TIME 0946

DEPTH	SECCHI	TEMP	CON 18	D O2	PH 25	TURB	BOD	T ALK
1.0		20.61	269	10.06	8.740			82.0
10.0		19.73	270	10.68	8.640			87.0
20.0			277	12.36	8.260			87.0
30.0		6.02	280	11.16	8.150			87.0
50.0		4.53	282	12.18	8.140			87.0

DEPTH	HARD	CL	NO3NO2	NO2	R PO4	PHEN	MF COL	MF ENT
1.0	125.0	26.5						
10.0	125.0	26.5						
20.0	131.0	26.0						
30.0	131.0	26.0						
50.0	130.0	26.0						

DEPTH	SPC 20	SPC 35
1.0		
10.0		
20.0		
30.0		
50.0		