DEPARTMENT OF NATURAL RESOURCES
LAKE SURVEY

FIELD # F15

DATE 3-2-76

TIME 11:30

LAKE FISH (IROQUAMI) LAKE COUNTY WAUSHARA TN 18N R 11E SEC. 6

SAMPLE LOCATION DEEPEST

WIND DIR. & INTEN. NE 20-35

CLOUD COVER HEAVY

WATER SURF. COND. ICE

TURBIDITY 1.1 JTU

SAMPLE DEPTH 1 METER

SAMPLE TYPE

SAMPLE VOLUME

CHLORO. a

BIOMASS

PRESERVATIVE/CONC.

FIELD REMARKS:

LAB DATA

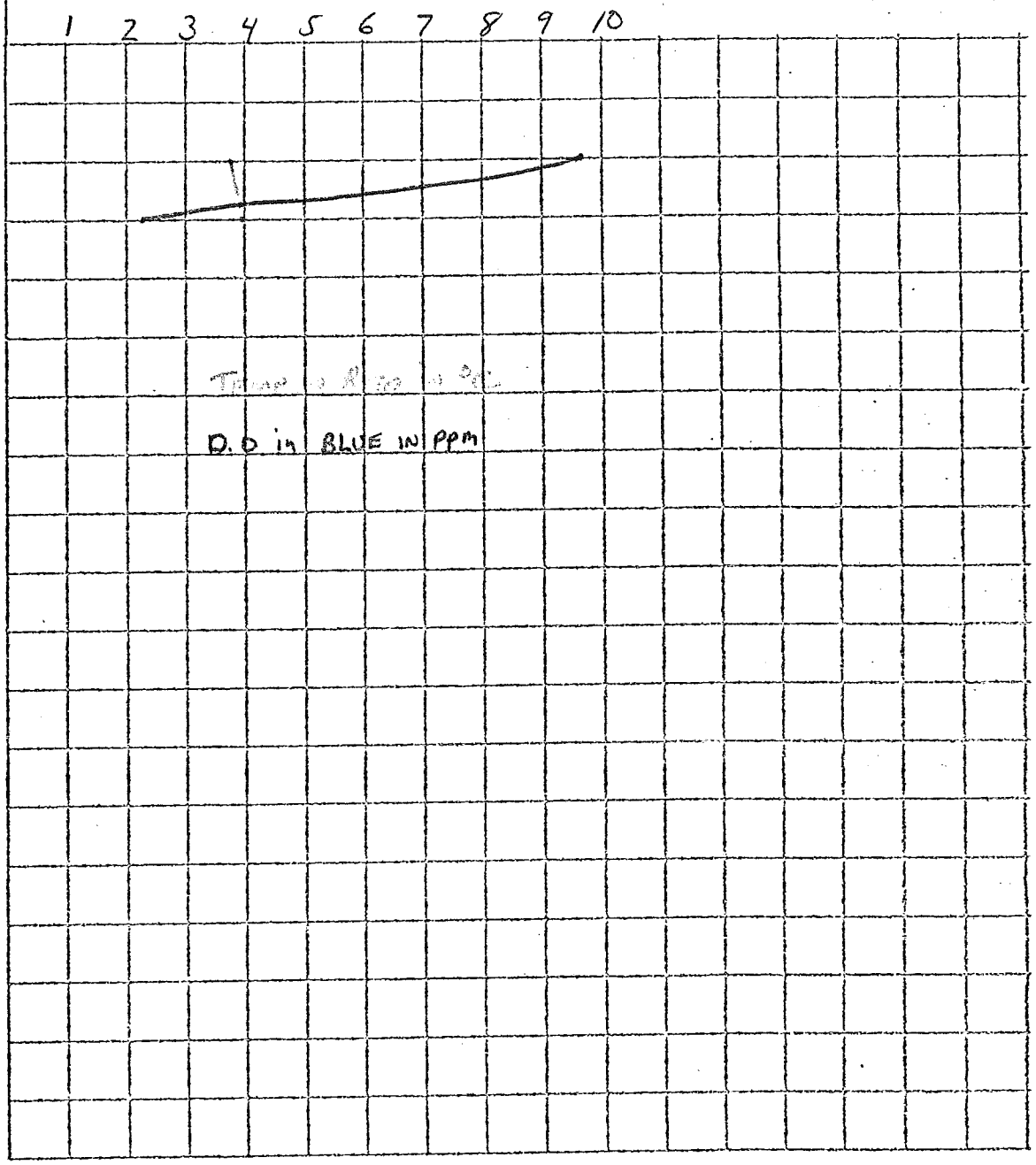
TOT. ALKALINITY (Ca CO_3)	116	TOT. - P	.003
HARDNESS (AS Ca CO_3)	127	SOL. - P	.003
		TOT. ORG. - N	.54
CHLOROPHYLL a		AMMONIA - N	.21
BIOMASS - VOL SOLIDS		NO_2-N+NO_3-N	.12
Ca	31.	K	.6
Mg	14.	SO_4	8.
Na	2.	Cl^-	<1.

COLLECTED BY DRH & KFH

DEPTH	TEMP.	O_2
1	3.8	9.6
BOTTOM 1.7	4.0	2.3

DEPTH IN METERS

OXYGEN, TEMPERATURE



FIELD DATA

CONDUCTIVITY 226

pH 7.3

SECCHI DISK

MAXIMUM DEPTH

COLLECTION DATE

DEPTH

DEPTH 1 METER

5 FEET

3-2-76

SURFACE WATER CHEMISTRY & BACTERIOLOGY
FORM 3200-35

Collected By	Field No.	Basin No.	Sta. Est. Form Required
999 HELF Misc. Sample Only	FIS	112	Yes ☒ No ☒

Sample Description: FISH LAKE - MIDDLE OF LAKE
(LAKE SURVEY)

BOD Estimate _____ MFFCC Estimate _____

Send Report To:
Name: Department of Natural Resources
Address: P. O. Box 3600
City, State, Zip Code: Green Bay, Wisconsin 54303

Shaded Areas for Lab Use Only: 081440

Primary Sta. No.	703011
Collection Date (Y Y M M D D)	76 03 02
Time (24 Hr. Clock)	11:30
Depth of Sample O-Surface (F or M)	M 1
031 Temp (°C) Field	3.8
301 DO Field	9.6
403 pH (su) Field	7.3
22 Flow cfs	
32 Secchi Depth (Meters)	
33 Cloud Cover	
032 Calcium	31
076 Magnesium	14
101 Potassium	.6
113 Sodium	2
116 Sulfates	8

☐ 026	BOD-5 Tot.	
☐ 134	MFFCC*	
☐ 097	pH (su) Lab.	
☐ 138	Tot. Solids	
☐ 107	Vol. Tot. Solids	
☐ 100	Susp. Solids	
☐ 109	Vol. Susp. Solids	
☒ 100	Tot.-P	.003
☒ 136	Sol.-P	.003
☒ 088	Tot. Org-N	.54
☒ 086	Ammonia-N	.21
☒ 085	NO_2 - N + NO_3 - N	.12
☒ 002	Tot. Alkalinity (as $CaCO_3$)	116
☒ 035	Chlorides	1 1
☐ 043	Color (su)	
☒ 114	Conductivity (µmhos)	226
☒ 063	Hardness (as $CaCO_3$)	127
☒ 119	Turbidity (JTU)	1.1

All analyses reported in mg/l unless otherwise specified.
Samples for both water chemistry and water bacteriology should be submitted in separate bottles.

S. L. Inhorn, M.D., Director
Wisconsin State Laboratory of Hygiene

Date Received MAR 3 76 57883
Lab. No.
Date Reported MAR 10 1976 3

LOCATION 703017
DATE 760302
TIME 1130
DEPTH M001
LAB-SLIP-# 057883
END-DATE
END-TIME
*** NO LOC. DESCR.-- THIS SITE MUST BE ADDED TO THE LOCATION FILE. ***

TEST-#	STORET-#	TEST--NAME--AND--UNITS	TEST-VALUE
		EXTRA INFORMATION ABOUT SAMPLE: HELF	
		EXTRA INFORMATION ABOUT SAMPLE: S#FIS	
131	00010	WATER TEMP CENT	3.8
091	00300	DO MG/L	9.6
096	00400	PH SU	7.3
032	00916	CALCIUM CA-TOT MG/L	31
076	00927	MGNSIUM MG,TOT MG/L	14
101	00937	PTSSIUM K,TOT MG/L	.6
113	00929	SODIUM NA,TOT MG/L	2
116	00945	SULFATE SO4-TOT MG/L	8
100	00665	PHOS-TOT MG/L P	.003
136	00671	PHOS-DIS ORTHO MG/L P	.003
088	00605	ORG N MG/L N	.54
086	00610	NH3-N TOTAL MG/L	.21
085	00630	NO2&NO3 N-TOTAL MG/L	.12
002	00410	T ALK CACO3 MG/L	116
035	00940	CHLORIDE CL MG/L	<1
114	00095	CNDUCTVY AT 25C MICROMHO	226
068	00900	TOT HARD CACO3 MG/L	127
119	00076	TURB TRBIDMTR HACH FTU	1.1

LOCATION	DATE	TIME	DEPTH	ACCOUNT-#	LAB-SLIP-#	END-DATE	END-TIM
703017	760506	1230	M001	081440	070846		

FISH (IROGAMI) LAKE

TEST-#	STORET-#	TEST--NAME--AND--UNITS			TEST-VALUE
		EXTRA INFORMATION ABOUT SAMPLE: HELF			
		EXTRA INFORMATION ABOUT SAMPLE: S#FIS			
131	00010	WATER	TEMP	CENT	11.1
091	00300	DO		MG/L	9.9
096	00400	PH		SU	8.2
132	00078	TRANSP	SECCHI	METERS	2.0
032	00916	CALCIUM	CA-TOT	MG/L	24
076	00927	MGNSIUM	MG,TOT	MG/L	12
101	00937	PTSSIUM	K,TOT	MG/L	.52
113	00929	SODIUM	NA,TOT	MG/L	2
116	00945	SULFATE	SO4-TOT	MG/L	8
097	00403	LAB	PH	SU	7.6
100	00665	PHOS-TOT		MG/L P	.02
136	00671	PHOS-DIS	ORTHO	MG/L P	.001
088	00605	ORG N	N	MG/L	.70
086	00610	NH3-N	TOTAL	MG/L	.03
085	00630	NO2&NO3	N-TOTAL	MG/L	<.02
002	00410	T ALK	CACO3	MG/L	102
035	00940	CHLORIDE	CL	MG/L	<1
114	00095	CNDUCTVY	AT 25C	MICROMHO	204
058	00900	TOT HARD	CACO3	MG/L	111
119	00076	TURB	TRBIDMTR	HACH FTU	1.0

LOCATION	DATE	TIME	DEPTH	ACCOUNT-#	LAB-SLIP-#	END-DATE	END-TIME
703017	760809	1220	M001	081440	810539		

FISH (IROGAMI) LAKE

TEST-#	STORET-#	TEST--NAME--AND--UNITS			TEST-VALUE
		EXTRA INFORMATION ABOUT SAMPLE: HELF			
		EXTRA INFORMATION ABOUT SAMPLE: FIS			
131	00010	WATER	TEMP	CENT	24.8
091	00300	DO		MG/L	8.9
096	00400	PH		SU	9.0
132	00078	TRANSP	SECCHI	METERS	1.75
032	00916	CALCIUM	CA-TOT	MG/L	16
076	00927	MGNSIUM	MG,TOT	MG/L	15
101	00937	PTSSIUM	K,TOT	MG/L	.37
113	00929	SODIUM	NA,TOT	MG/L	2
116	00945	SULFATE	SO4-TOT	MG/L	10
097	00403	LAB	PH	SU	8.5
100	00665	PHOS-TOT		MG/L P	.02
136	00671	PHOS-DIS	ORTHO	MG/L P	.003
088	00605	ORG N	N	MG/L	.69
086	00610	NH3-N	TOTAL	MG/L	.13
085	00630	NO2&NO3	N-TOTAL	MG/L	.02
002	00410	T ALK	CACO3	MG/L	91
035	00940	CHLORIDE	CL	MG/L	3
114	00095	CNDUCTVY	AT 25C	MICROMHO	185
058	00900	TOT HARD	CACO3	MG/L	101
119	00076	TURB	TRBIDMTR	HACH FTU	2.2

LOCATION	DATE	TIME	DEPTH	ACCOUNT-#	LAB-SLIP-#	END-DATE	END-TIME
703017	760506	1230	M001	081440	070846		

FISH (IROGAMI) LAKE

TEST-#	STORET-#	TEST--NAME--AND--UNITS			TEST-VALUE
		EXTRA INFORMATION ABOUT SAMPLE: HELF			
		EXTRA INFORMATION ABOUT SAMPLE: S#FIS			
131	00010	WATER	TEMP	CENT	11.1
091	00300	DO		MG/L	9.9
096	00400	PH		SU	8.2
132	00078	TRANSP	SECCHI	METERS	2.0
032	00916	CALCIUM	CA-TOT	MG/L	24
076	00927	MGNSIUM	MG,TOT	MG/L	12
101	00937	PTSSIUM	K,TOT	MG/L	.52
113	00929	SODIUM	NA,TOT	MG/L	2
116	00945	SULFATE	SO4-TOT	MG/L	8
097	00403	LAB	PH	SU	7.6
100	00665	PHOS-TOT		MG/L P	.02
136	00671	PHOS-DIS	ORTHO	MG/L P	.001
088	00605	ORG N	N	MG/L	.70
086	00610	NH3-N	TOTAL	MG/L	.08
085	00630	NO2&NO3	N-TOTAL	MG/L	<.02
002	00410	T ALK	CACO3	MG/L	102
035	00940	CHLORIDE	CL	MG/L	<1
114	00095	CNDUCTVY	AT 25C	MICROMHO	204
068	00900	TOT HARD	CACO3	MG/L	111
119	00076	TURB	TRBIDMTR	HACH FTU	1.0

LOCATION	DATE	TIME	DEPTH	ACCOUNT-#	LAB-SLIP-#	END-DATE	END-TIME
703017	760809	1220	M001	081440	010589		

FISH (IROGAMI) LAKE

TEST-#	STORET-#	TEST--NAME--AND--UNITS			TEST-VALUE
		EXTRA INFORMATION ABOUT SAMPLE: HELF			
		EXTRA INFORMATION ABOUT SAMPLE: FIS			
131	00010	WATER	TEMP	CENT	24.8
091	00300	DO		MG/L	8.9
096	00400	PH		SU	9.0
132	00078	TRANSP	SECCHI	METERS	1.75
032	00916	CALCIUM	CA-TOT	MG/L	16
076	00927	MGNSIUM	MG,TOT	MG/L	15
101	00937	PTSSIUM	K,TOT	MG/L	.37
113	00929	SODIUM	NA,TOT	MG/L	2
116	00945	SULFATE	SO4-TOT	MG/L	10
097	00403	LAB	PH	SU	8.5
100	00665	PHOS-TOT		MG/L P	.02
136	00671	PHOS-DIS	ORTHO	MG/L P	.003
088	00605	ORG N	N	MG/L	.69
086	00610	NH3-N	TOTAL	MG/L	.13
085	00630	NO2&NO3	N-TOTAL	MG/L	.02
002	00410	T ALK	CACO3	MG/L	91
035	00940	CHLORIDE	CL	MG/L	3
114	00095	CNDUCTVY	AT 25C	MICROMHO	185
068	00900	TOT HARD	CACO3	MG/L	101
119	00076	TURB	TRBIDMTR	HACH FTU	2.2

DEPARTMENT OF NATURAL RESOURCES
LAKE SURVEY

FIELD # FIS

DATE 11-16-76

TIME 10:00

LAKE FISH (IROGAMI) LAKE COUNTY WAUSHARA TN 18N R 11E SEC. 6

SAMPLE LOCATION DEEPEST AREA

WIND DIR. & INTEN. _____ SAMPLE TYPE KEMMER

CLOUD COVER _____ SAMPLE VOLUME

WATER SURF. COND. FROZEN CHLORO. a _____

TURBIDITY _____ BIOMASS _____

SAMPLE DEPTH 1. METERS PRESERVATIVE/CONC. _____

FIELD REMARKS:

FROZEN Clear Ice - 2-3"

BULLRUSHES

Oak - W. Pine Birch, W. Y.

≈ 54 cottages - maybe

very shallow lake - possibly good fishing, doubtfull - waterfowl - blinds

LAB DATA

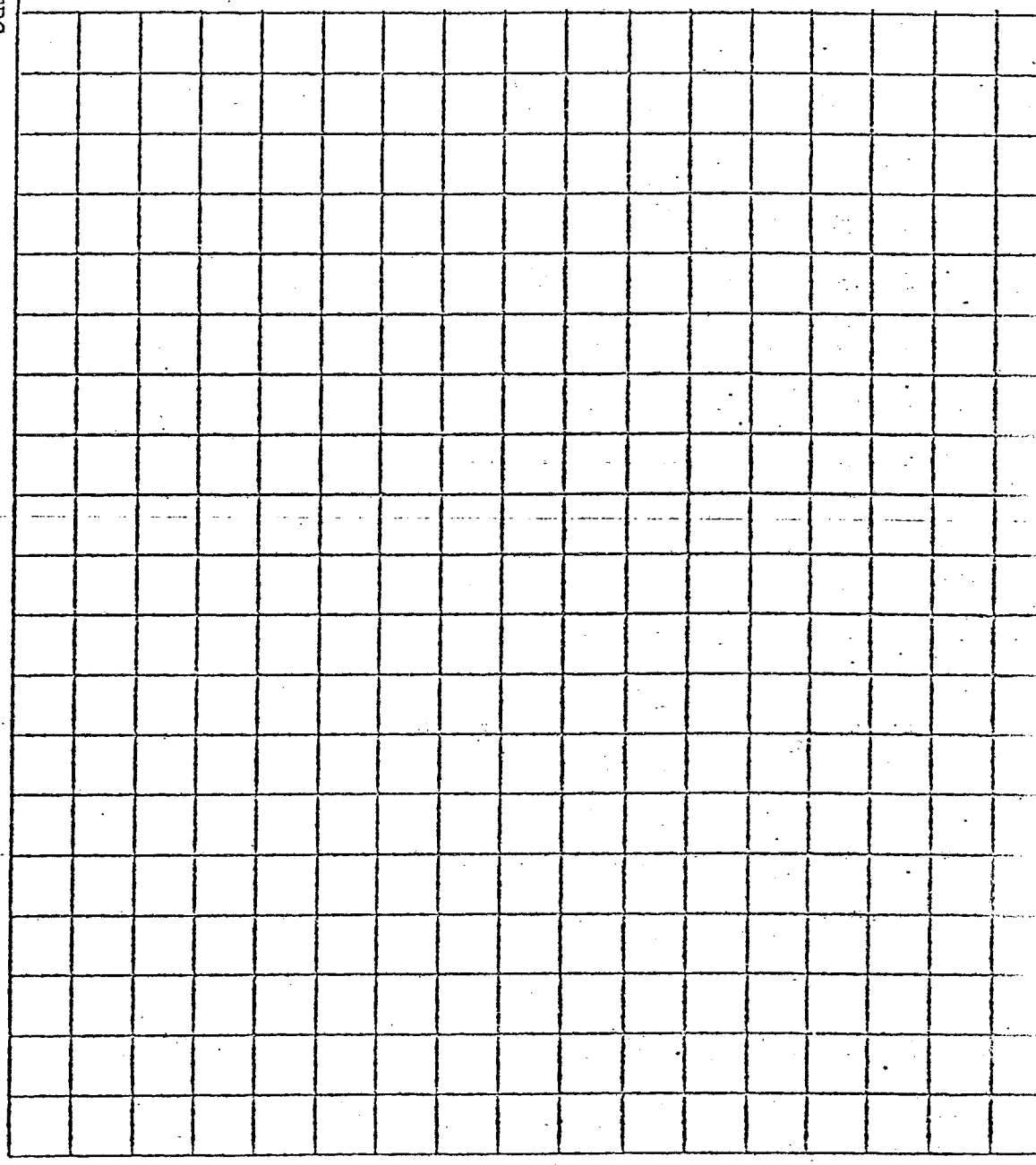
TOT. ALKALINITY ($Ca\ CO_3$)	___ ___ ___	TOT. - P	___ ___ . ___ ___ ___
HARDNESS (AS $Ca\ CO_3$)	___ ___ ___	SOL. - P	___ ___ . ___ ___ ___
		TOT. ORG. - N	___ ___ . ___ ___ ___
CHLOROPHYLL a	___ ___ ___ ___ ___	AMMONIA - N	___ ___ . ___ ___ ___
BIOMASS - VOL SOLIDS	___ ___ ___ ___ ___	NO_2-N+NO_3-N	___ ___ . ___ ___ ___
Ca	___ . ___ ___	K	___ ___ . ___ ___ ___
Mg	___ . ___ ___	SO_4	___ ___ . ___ ___ ___
Na	___ . ___ ___		

COLLECTED BY _____

DEPTH	TEMP.	O_2
1	4.1	15.2

DEPTH IN METERS

OXYGEN, TEMPERATURE



FIELD DATA

CONDUCTIVITY

pH 7-7

SECCHI DISK 2 m

MAXIMUM DEPTH

COLLECTION DATE 11-16-76

DEPTH METER

DEPTH "

"

5 FEET

Department of Natural Resources

SURFACE WATER CHEMISTRY & BACTERIOLOGY

FORM 3200-35

Collected By	Field No.	Basin No.	Sta. Est. Form Required
999 H E L F (Misc. Sample Only)	F L S	112	Yes ☐ No ☒

Sample Description: FISH LAKE (LAKE SURVEY)

BOD Estimate _____ MFFCC Estimate _____

Send Report To:

Name: Department of Natural Resources
Address: P. O. Box 3600
City, State, Zip Code: Green Bay, Wisconsin 54303

Shaded Areas for Lab Use Only: 081440

Primary Sta. No.: 7 0 3 0 1 7

Collection Date: 7 6 / 1 1 / 1 6 (Y Y M M D D)

Time (24 Hr. Clock): 10:00

Depth of Sample O-Surface M (F or M): 0 0 1

131	Temp (°C) Field	4.1
091	DO Field	15.2
006	pH (su) Field	7.7
128	Flow cfs	
132	Secchi Depth (Meters)	2.0
133	Cloud Cover	
☒ 032	Calcium	26
☒ 076	Magnesium	22
☒ 101	Potassium	.73
☒ 113	Sodium	3
☒ 116	Sulfates	12
☐		

☐ 026	BOD-5 Tot.	
☐ 134	MFFCC*	
☐ 097	pH (su) Lab.	
☐ 138	Tot. Solids	
☐ 107	Vol. Tot. Solids	
☐ 103	Susp. Solids	
☐ 109	Vol. Susp. Solids	
☒ 100	Tot.-P	.02
☒ 136	Sol.-P	.005
☒ 088	Tot. Org-N	.96
☒ 080	Ammonia-N	.04
☒ 085	NO_2 - N + NO_3 - N	<.02
☒ 002	Tot. Alkalinity (as $CaCO_3$)	140
☒ 035	Chlorides	4
☐ 040	Color (su)	
☒ 114	Conductivity (μmhos)	259
☒ 008	Hardness (as $CaCO_3$)	156
☒ 119	Turbidity (JTU)	0.85
☐		
☐		
☐		

All analyses reported in mg/1 unless otherwise specified.
*Samples for both water chemistry and water bacteriology should be submitted in separate bottles.

S. L. Inhorn, M.D., Director
Wisconsin State Laboratory of Hygiene
Madison, Wisconsin 53706

10-74

Date Received: Nov 17 76 036284

Lab. No.: _____

Date Reported: DEC 3 1976 - 3