DEPARTMENT OF NATURAL RESOURCES
LAKE SURVEY

FIELD # CED

DATE 3-1-76

TIME 11:35

LAKE CEDAR LAKE COUNTY WAUPACA TN 24 R 13E SEC. 8

SAMPLE LOCATION DEEPEST AREA

WIND DIR. & INTEN. N 10-20 SAMPLE TYPE

CLOUD COVER HEAVY SAMPLE VOLUME

WATER SURF. COND. ICE CHLORO. a

TURBIDITY 1.2 BIOMASS

SAMPLE DEPTH 1 METER PRESERVATIVE/CONC.

FIELD REMARKS:

PRIMARY STATION # 693023

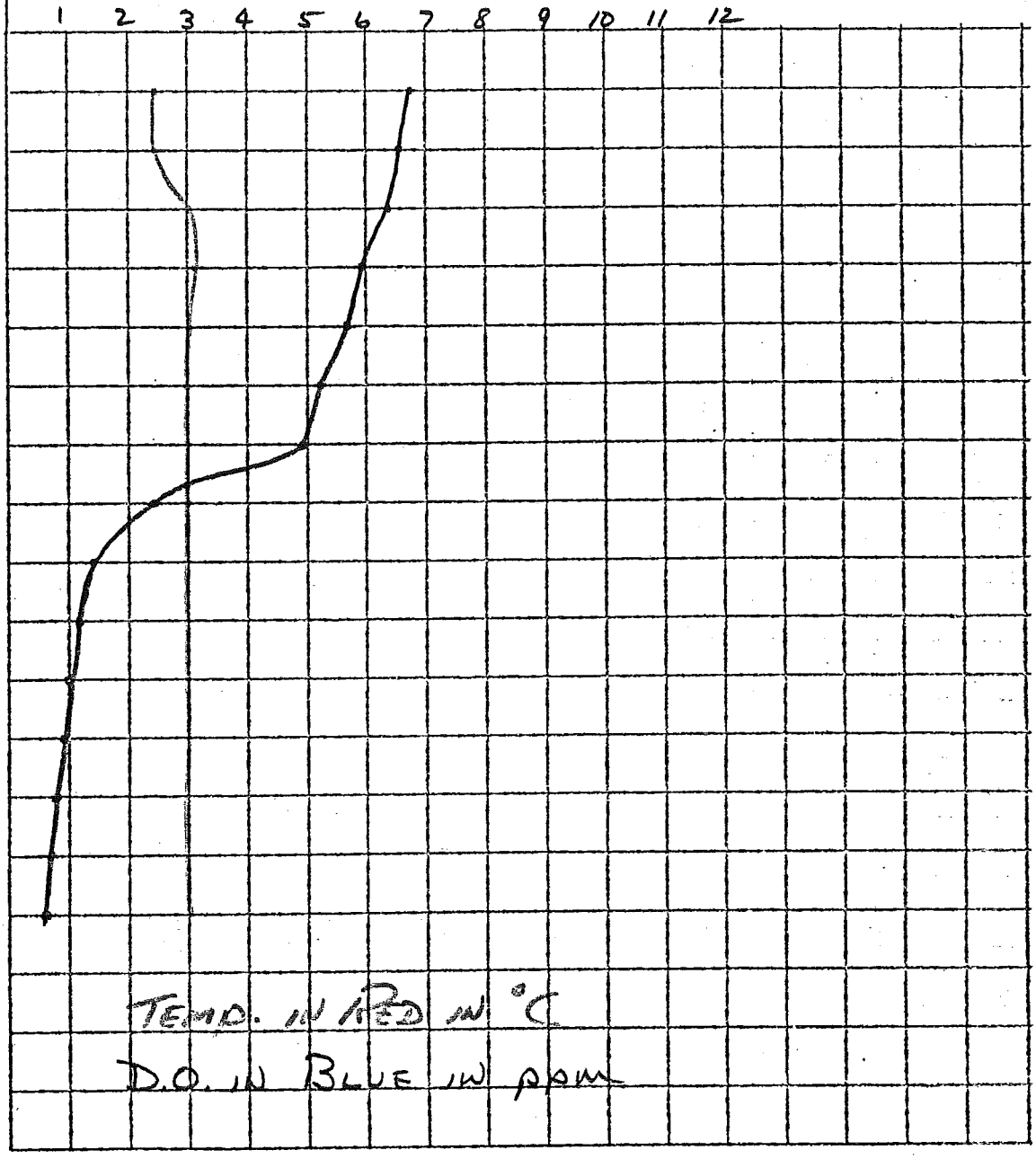
LAB DATA

TOT. ALKALINITY (Ca CO_3)	152	TOT. - P	.022
HARDNESS (AS Ca CO_3)	168	SOL. - P	.022
		TOT. ORG. - N	.48
CHLOROPHYLL a		AMMONIA - N	.39
BIOMASS - VOL SOLIDS		NO_2-N+NO_3-N	.19
Ca	36.	K	1.8
Mg	18.	SO_4	10.
Na	2.	Cl^-	<1.

COLLECTED BY DRH, KFH

DEPTH	TEMP.	O_2
1	2.5	6.8
2	2.5	6.6
3	3.0	6.4
4	3.2	5.9
5	3.0	5.7
6	3.0	5.2
7	3.0	4.9
8	3.0	2.4
9	3.0	1.4
10	3.0	1.2
11	3.0	1.0
12	3.0	0.9
13	3.0	0.8
14	3.0	0.75
15	3.0	0.7

OXYGEN, TEMPERATURE



FIELD DATA

CONDUCTIVITY 268

pH 7.2

SECCHI DISK

MAXIMUM DEPTH

COLLECTION DATE

DEPTH

DEPTH 1 METER

50 FEET

3-1-76

LOCATION	DATE	TIME	DEPTH	LAB-SLIP-#	END-DATE	END-TIME
693023	760301	1135	M001	057314		

CEDAR LAKE

TEST-#	STORET-#	TEST--NAME--AND--UNITS			TEST-VALUE
		EXTRA INFORMATION ABOUT SAMPLE: HELF			
		EXTRA INFORMATION ABOUT SAMPLE: CED			
131	00010	WATER	TEMP	CENT	25
091	00300	DO		MG/L	6.8
096	00400	PH		SU	7.2
032	00916	CALCIUM	CA-TOT	MG/L	36
076	00927	MGNSIUM	MG,TOT	MG/L	18
101	00937	PTSSIUM	K,TOT	MG/L	1.8
113	00929	SODIUM	NA,TOT	MG/L	2
116	00945	SULFATE	SO4-TOT	MG/L	10
097	00403	LAB	PH	SU	7.7
100	00665	PHOS-TOT		MG/L P	.022
136	00671	PHOS-DIS	ORTHO	MG/L P	.022
088	00605	ORG N	N	MG/L	.48
086	00610	NH3-N	TOTAL	MG/L	.39
085	00630	NO2&NO3	N-TOTAL	MG/L	.19
002	00410	T ALK	CACO3	MG/L	152
035	00940	CHLORIDE	CL	MG/L	<1
114	00095	CNDUCTVY	AT 25C	MICROMHO	286
068	00900	TOT HARD	CACO3	MG/L	168
119	00076	TURB	TRBIDMTR	HACH FTU	1.2

Department of Natural Resources

SURFACE WATER CHEMISTRY & BACTERIOLOGY

Form 3200-35

Collected By 999 - HELF
Misc. Sample Only

Field No. CED | Basin No. 112 | Sta. Est. Form Required Yes ☐ No ☐

Sample Description CEDAR LAKE - DEEPEST AREA (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.	693023
Collection Date (Y Y M M D D)	760301
Time (24 Hr. Clock)	11:35
Depth of Sample O-Surface (F or M)	M 1
131 Temp (°C) Field	25
091 DO Field	6.8
093 pH (su) Field	7.2
128 Flow cfs	.
132 Secchi Depth (Meters)	.
133 Cloud Cover	
☒ 032 Calcium	36
☒ 073 Magnesium	18
☒ 101 Potassium	1.8
☒ 113 Sodium	2
☒ 115 Sulfates	10
☐	

☐ 026 BOD-5 Tot.	.
☐ 134 MFFCC*	
☐ 097 pH (su) Lab.	7.7
☐ 138 Tot. Solids	
☐ 107 Vol. Tot. Solids	
☐ 106 Susp. Solids	
☐ 108 Vol. Susp. Solids	
☒ 100 Tot.-P	.022
☒ 136 Sol.-P	.022
☒ 088 Tot. Org-N	.48
☒ 086 Ammonia-N	.39
☒ 085 NO_2 - N + NO_3 - N	.19
☒ 052 Tot. Alkalinity (as $CaCO_3$)	152
☒ 035 Chlorides	<1
☐ 043 Color (su)	
☒ 114 Conductivity (µmhos)	286
☒ 068 Hardness (as $CaCO_3$)	168
☒ 119 Turbidity (JTU)	1.2
☐	
☐	
☐	

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
State Laboratory of Hygiene

Date Received MAR 2 1976
Lab. No. 57314
Date Reported MAR 17 1976 - 3

DEPARTMENT OF NATURAL RESOURCES
LAKE SURVEY

FIELD # CEO

DATE 5-11-76

TIME 11:20

LAKE CEDAR LAKE COUNTY WAUPACA TN 24N R 13E SEC. 8

SAMPLE LOCATION DEEPEST AREA

WIND DIR. & INTEN. WNW MODERATE

SAMPLE TYPE KEMMER

CLOUD COVER SUNNY

SAMPLE VOLUME

WATER SURF. COND. 6-12"

CHLORO. a

TURBIDITY .64

BIOMASS

SAMPLE DEPTH 6 METERS

PRESERVATIVE/CONC.

FIELD REMARKS:

LAB DATA

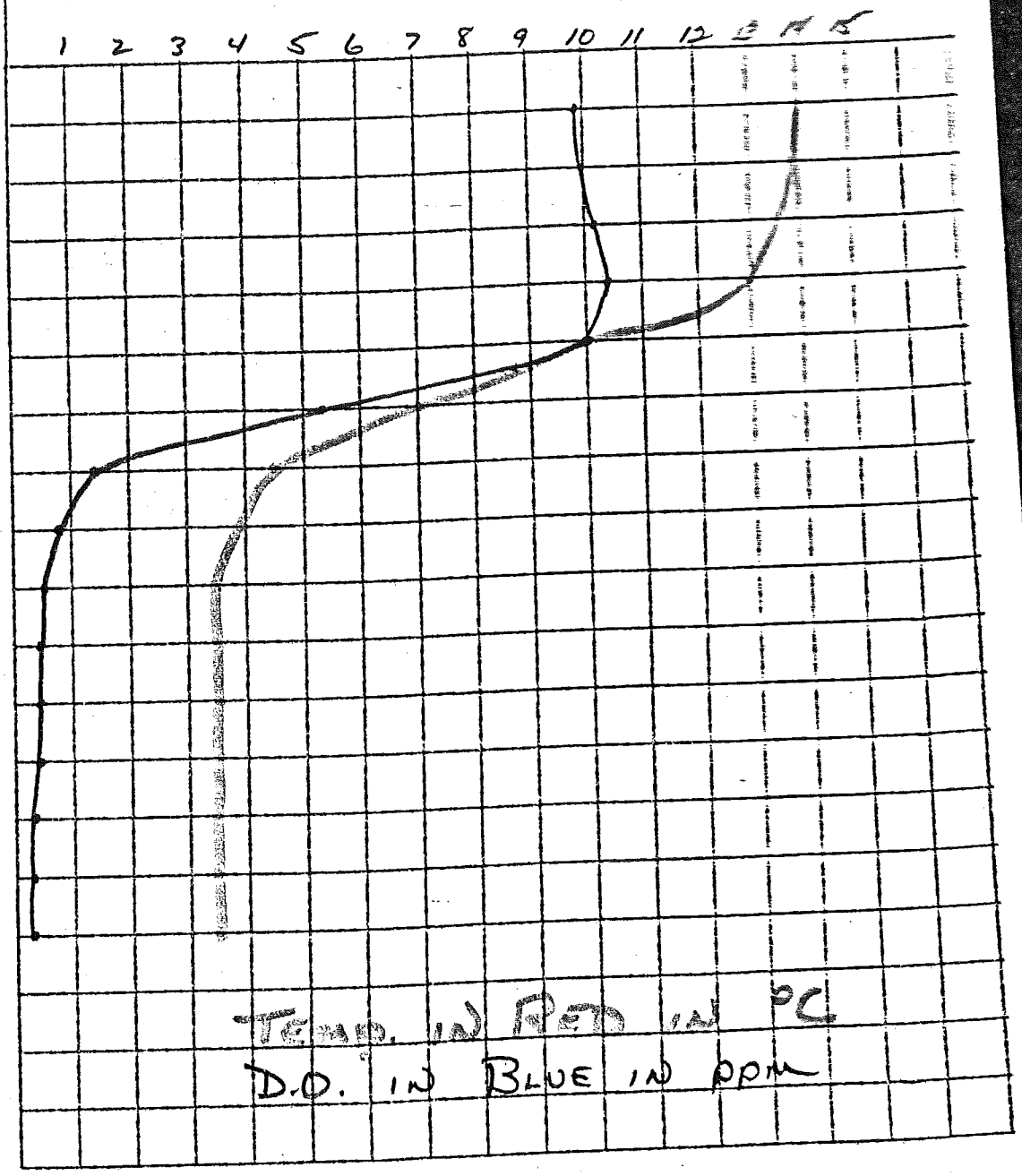
TOT. ALKALINITY ($Ca\ CO_3$)	138	TOT. - P	.020
HARDNESS (AS $Ca\ CO_3$)	152	SOL. - P	.005
		TOT. ORG. - N	.58
CHLOROPHYLL a		AMMONIA - N	.12
BIOMASS - VOL SOLIDS		NO_2-N+NO_3-N	.18
Ca	34.	K	1.6
Mg	16.	SO_4	10.
Na	2.	Cl^-	<1.

COLLECTED BY DRH, KFH

DEPTH	TEMP.	O_2
1	14.0	9.8
2	13.8	9.9
3	13.6	10.2
4	13.0	10.4
5	9.9	10.0
6	7.0	5.3
7	4.5	1.4
8	3.9	0.8
9	3.5	0.5
10	3.5	0.4
11	3.5	0.4
12	3.5	0.4
13	3.5	0.35
14	3.5	0.35
15 BOTTOM	3.5	0.35

DEPTH IN M

OXYGEN, TEMPERATURE



FIELD DATA

CONDUCTIVITY 273

pH 7.6

SECCHI DISK

MAXIMUM DEPTH

COLLECTION DATE

DEPTH 6 METERS

DEPTH " "

3 3/4 METERS

50 FEET +

5-11-76

Department of Natural Resources — SURFACE WATER CHEMISTRY & BACTERIOLOGY
FORM 3200-35

Collected By	Field No.	Basin No.	Sta. Est. Form Required
999 HELF (Misc. Sample Only)	CEO	112	Yes ☐ No ☒

Sample Description: CEDAR LAKE - OEEMEET AREA
CLARE 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: 681490

Primary Sta. No.: 693023

Collection Date: 760511 (Y Y M M D D)

Time (24 Hr. Clock): 11:20

Depth of Sample O-Surface M (F or M): 6

131	Temp (°C) Field	2.0
091	DO Field	5.3
006	pH (su) Field	7.6
128	Flow cfs	
132	Secchi Depth (Meters)	3.75
133	Cloud Cover	
☒ 032	Calcium	34
☒ 070	Magnesium	16
☒ 101	Potassium	1.6
☒ 113	Sodium	2
☒ 116	Sulfates	10
☐		

☐ 026	BOD-5 Tot.	
☐ 134	MFFCC*	
☒ 097	pH (su) Lab.	8.1
☐ 138	Tot. Solids	
☐ 107	Vol. Tot. Solids	
☐ 105	Susp. Solids	
☐ 109	Vol. Susp. Solids	
☒ 100	Tot.-P	.02
☒ 136	Sol.-P	.00
☒ 088	Tot. Org-N	.5
☒ 086	Ammonia-N	.1
☒ 085	NO_2 - N + NO_3 - N	.1
☒ 002	Tot. Alkalinity (as $CaCO_3$)	13
☒ 035	Chlorides	<1
☐ 043	Color (su)	
☒ 114	Conductivity (μmhos)	27
☒ 068	Hardness (as $CaCO_3$)	15
☒ 119	Turbidity (JTU)	.6
☐		
☐		
☐		

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

Date Received: MAY 1276 71725

Lab. No.

Date Reported: MAY 26 1976 - 3

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

DEPARTMENT OF NATURAL RESOURCES
LAKE SURVEY

FIELD # CED

DATE 7-8-76

TIME 11:30

LAKE CEDAR LAKE COUNTY WAUPACA TN 24 R 13E SEC. 8

SAMPLE LOCATION DEEPEST AREA

WIND DIR. & INTEN. _____ SAMPLE TYPE KEMMER

CLOUD COVER clear to scattered SAMPLE VOLUME

WATER SURF. COND. 0-2" CHLORO. a _____

TURBIDITY 1.0 JTU BIOMASS _____

SAMPLE DEPTH 7m PRESERVATIVE/CONC. _____

FIELD REMARKS:

LAB DATA

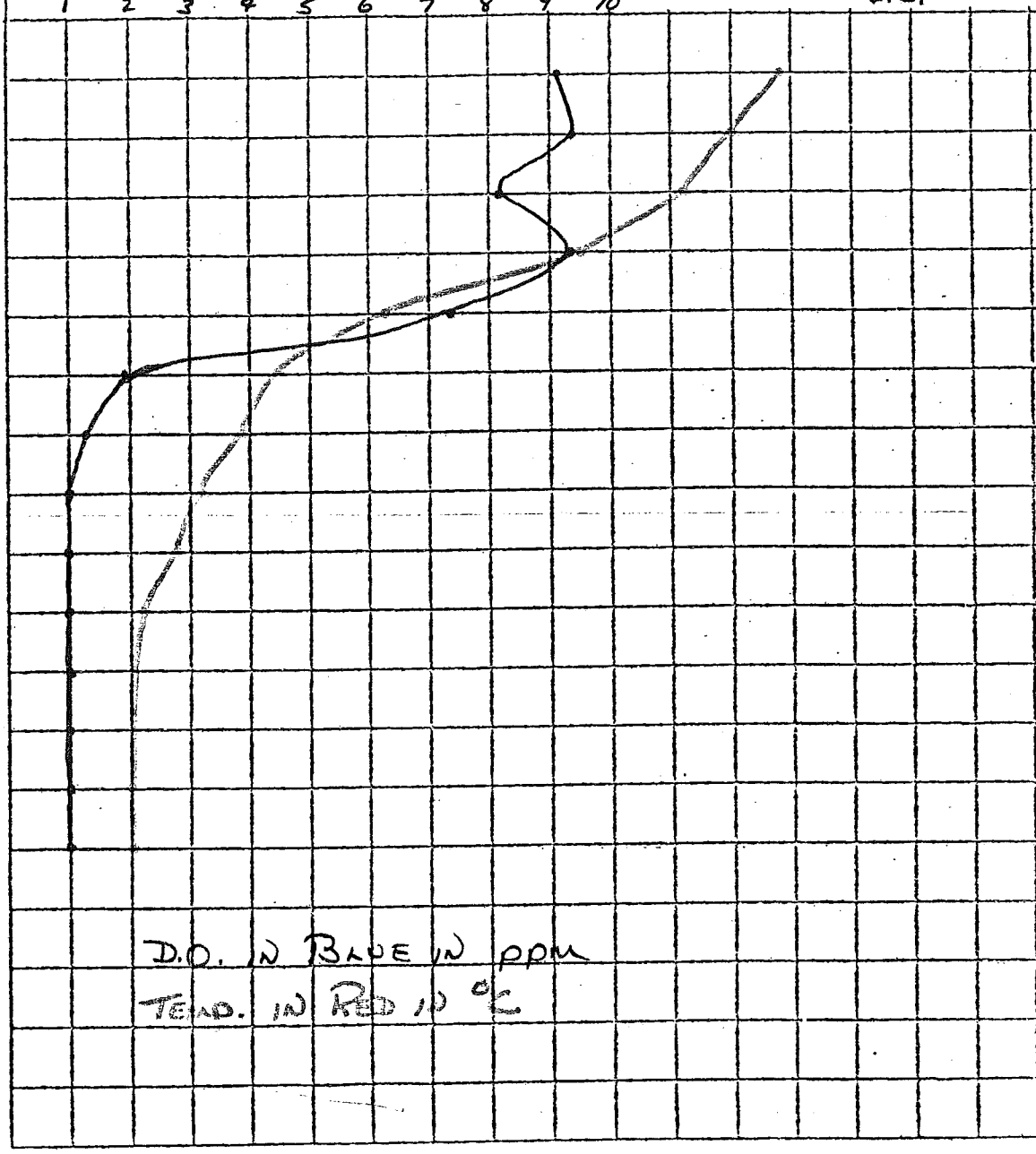
TOT. ALKALINITY ($Ca\ CO_3$)	150	TOT. - P	.02
HARDNESS (AS $Ca\ CO_3$)	160	SOL. - P	.004
		TOT. ORG. - N	.71
CHLOROPHYLL a		AMMONIA - N	.10
BIOMASS - VOL SOLIDS		NO_2-N+NO_3-N	.17
Ca	37.	K	2.
Mg	16.	SO_4	10.
Na	2.	Cl^-	<1.

COLLECTED BY DRH, RS

DEPTH	TEMP.	O_2
1	25.5	9.2
2.	24.0	9.4
3	22.5	8.2
4	19.0	9.4
5	12.5	7.4
6	9.0	1.9
7	7.8	1.3
8	6.3	1.0
9	5.3	1.0
10	4.5	1.0
11	4.0	1.0
12	4.0	1.0
13	4.0	1.0
14	4.0	1.0
~~15~~		

DEPTH IN METERS

OXYGEN, TEMPERATURE



FIELD DATA

CONDUCTIVITY 301

pH 7.4

SECCHI DISK 3.75

MAXIMUM DEPTH

COLLECTION DATE

DEPTH _____

DEPTH _____

*Department of Natural Resources

SURFACE WATER CHEMISTRY & BACTERIOLOGY
FORM 3200-35

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

Sample Description: CEDAR LAKE - DEEPEST AREA (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.: 693023

Collection Date: 760708 (Y Y M M D D)

Time (24 Hr. Clock): 11.30

Depth of Sample O-Surface: M (F or M) 7

131	Temp (°C) Field	7.8
091	DO Field	1.3
099	pH (su) Field	7.4
128	Flow cfs	
132	Secchi Depth (Meters)	3.7
133	Cloud Cover	
☒ 032	Calcium	37
☒ 070	Magnesium	16
☒ 101	Potassium	2
☒ 113	Sodium	2
☒ 116	Sulfates	10
☐		

☐ 026	BOD-5 Tot.	
☐ 134	MFFCC*	
☒ 097	pH (su) Lab.	7.3
☐ 138	Tot. Solids	
☐ 107	Vol. Tot. Solids	
☐ 105	Susp. Solids	
☐ 109	Vol. Susp. Solids	
☒ 100	Tot.-P	.03
☒ 136	Sol.-P	.002
☒ 088	Tot. Org-N	.71
☒ 086	Ammonia-N	.10
☒ 085	NO_2 - N + NO_3 - N	.17
☒ 002	Tot. Alkalinity (as $CaCO_3$)	153
☒ 035	Chlorides	1
☐ 043	Color (su)	
☒ 114	Conductivity (μmhos)	301
☒ 065	Hardness (as $CaCO_3$)	160
☒ 119	Turbidity (JTU)	1.5
☐		
☐		
☐		

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

Date Received: JUL 9 76 01857

Lab. No. 46275-8

Date Reported

DEPARTMENT OF NATURAL RESOURCES
LAKE SURVEY

FIELD # CEO

DATE 11-1-76

TIME 11:45

LAKE CEDAR LAKE. COUNTY WAUPACA TN 24N R 13E SEC. 8

SAMPLE LOCATION DEEPEST AREA

WIND DIR. & INTEN. Light SE

SAMPLE TYPE KEMMER

CLOUD COVER

SAMPLE VOLUME

WATER SURF. COND.

CHLORO. a

TURBIDITY 1.1 JTU

BIOMASS

SAMPLE DEPTH 7 METERS

PRESERVATIVE/CONC.

FIELD REMARKS:

11 cottages Landing adequate - same restrictions as School

W. Birch, Oak, Tamarack, CEDAR, Tag Alder, Dogwood

Bullrushes, Richardsons, Lilly Pads, Chara

LAB DATA

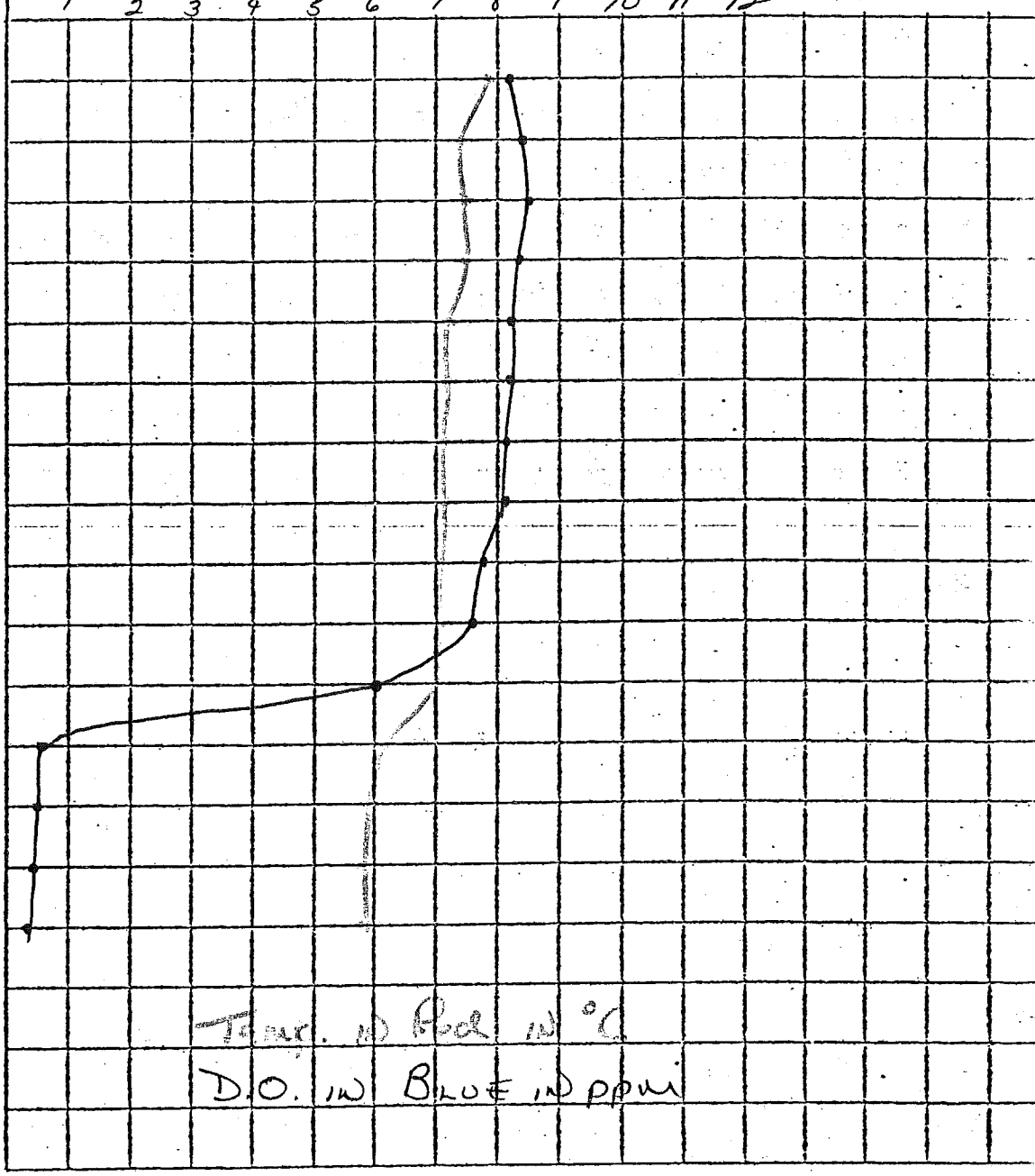
TOT. ALKALINITY ($Ca\ CO_3$)	144	TOT. - P	.03
HARDNESS (AS $Ca\ CO_3$)	158	SOL. - P	.003
		TOT. ORG. - N	.62
CHLOROPHYLL a		AMMONIA - N	.16
BIOMASS - VOL SOLIDS		NO_2-N+NO_3-N	< .02
Ca	34.	K	1.7
Mg	18.	SO_4	11.
Na	2.	Cl^-	1.

COLLECTED BY

DEPTH	TEMP.	O_2
1	7.8	8.2
2	7.5	8.4
3	7.5	8.5
4	7.5	8.4
5	7.3	8.3
6	7.2	8.3
7	7.2	8.2
8	7.2	8.2
9	7.1	7.7
10	7.1	7.6
11	7.0	6.0
12	6.2	.6
13	5.9	.5
14	5.8	.4
15	5.8	.3

DEPTH IN METERS

OXYGEN, TEMPERATURE



FIELD DATA

CONDUCTIVITY 262

pH 6.7

2.75 m SECCHI DISK

MAXIMUM DEPTH

COLLECTION DATE

DEPTH METERS

DEPTH "

DEPTH "

50 FEET

Department of Natural Resources

SURFACE WATER CHEMISTRY & BACTERIOLOGY

FORM 3200-35

Collected By	Field No.	Basin No.	Sta. Est. Form Required
999 HELF Misc. Sample Only	CE0	112	Yes ☐ No ☒

Sample Description: CEDAR LAKE (LAKE SURVEY)

BOD Estimate _____ MFFCC Estimate _____

Send Report To:

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

Shaded Areas for Lab Use Only: 081480

Primary Sta. No.: 69 30 23

Collection Date: 76 11 01 (Y Y M M D D)

Time (24 Hr. Clock): 11:45

Depth of Sample O-Surface F or M: 7m.

131	Temp (°C) Field	7.2
091	DO Field	08.2
096	pH (su) Field	7.4
128	Flow cfs	
132	Secchi Depth (Meters)	2.75
133	Cloud Cover	
☒ 032	Calcium	34
☒ 076	Magnesium	18
☒ 101	Potassium	1.7
☒ 113	Sodium	2
☒ 116	Sulfates	11
☐		

☐ 026	BOD-5 Tot.	
☐ 134	MFFCC*	
☒ 097	pH (su) Lab.	7.8
☐ 138	Tot. Solids	
☐ 107	Vol. Tot. Solids	
☐ 106	Susp. Solids	
☐ 109	Vol. Susp. Solids	
☒ 100	Tot.-P	.03
☒ 136	Sol.-P	.003
☒ 088	Tot. Org-N	.62
☒ 086	Ammonia-N	.16
☒ 085	NO_2 - N + NO_3 - N	<.02
☒ 002	Tot. Alkalinity (as $CaCO_3$)	144
☒ 035	Chlorides	1
☐ 043	Color (su)	
☒ 114	Conductivity (μmhos)	263
☒ 068	Hardness (as $CaCO_3$)	158
☒ 119	Turbidity (JTU)	1.1
☐		
☐		
☐		

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

Date Received: NOV 27 6 32556

Lab. No.: 7

Date Reported: NOV 17 1976