

DEPARTMENT OF NATURAL RESOURCES
LAKE SURVEY

FIELD # STR

DATE 2-16-77

TIME 12:20

LAKE STRATTON LAKE COUNTY WAUPACA TWP 21N R 11E SEC. 16+17

SAMPLE LOCATION DEEPEST AREA- MIDDLE OF SOUTH SECTION

WIND DIR. & INTEN. _____

SAMPLE TYPE KEMMER

CLOUD COVER _____

SAMPLE VOLUME _____

WATER SURF. COND. _____

CHLORO. a _____

TURBIDITY _____

BIOMASS _____

SAMPLE DEPTH 1M

PRESERVATIVE/CONC. _____

FIELD REMARKS:

LAB DATA

TOT. ALKALINITY (Ca CO₃) _____

TOT. - P _____

HARDNESS (AS Ca CO₃) _____

SOL. - P _____

CHLOROPHYLL a _____

TOT. ORG. - N _____

BIOMASS - VOL SOLIDS _____

AMMONIA - N _____

Ca _____

NO₂-N+NO₃-N _____

Mg _____

K _____

Na _____

SO₄ _____

COLLECTED BY

DRH DCW

*LOCATION	DATE	TIME	DEPTH	ACCOUNT-#	LAB-SLIP-#	END-DATE	END-TIME
693028	770216	1220	M001	081440	052545		

STRATTON LAKE DEEPEST PART-EP

TEST-#	STORET-#	TEST-NAME--AND--UNITS	TEST-VALUE
		EXTRA INFORMATION ABOUT SAMPLE: HELF	
		EXTRA INFORMATION ABOUT SAMPLE: S#STR	
131	00010	WATER TEMP	6
091	00300	DO	6.8
096	00400	PH	7.2
032	00916	CALCIUM CA-TOT	34
076	00927	MGNSIUM MG, TOT	16
101	00937	PTSSIUM K, TOT	1.2
113	00929	SODIUM NA, TOT	2
116	00945	SULFATE SO4-TOT	11
097	00403	LAB PH	8.1
100	00665	PHOS-TOT	0.04
136	00671	PHOS-DIS ORTHO	0.040
088	00605	ORG N	0.4
086	00610	NH3-N TOTAL	21
085	00530	NO2&NO3 N-TOTAL	3.4
002	00410	T ALK CACO3	124
035	00940	CHLORIDE CL	5
114	00095	CNDUCTVY AT 25C	260
068	00900	TOT HARD CACO3	152
119	00076	TURB TRBIDMTR HACH FTU	0.7

LOCATION	DATE	TIME	DEPTH	ACCOUNT-#	LAB-SLIP-#	END-DATE	END-TIME
693028	770509	1200	M008	081440	071099		
STRATTON LAKE DEEPEST PART-EP							

TEST-#	STORE-#	TEST--NAME--AND--UNITS	TEST-VALUE
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		EXTRA INFORMATION ABOUT SAMPLE: HELP	
		EXTRA INFORMATION ABOUT SAMPLE: STR	
131	00010	WATER TEMP	CENT 10
091	00300	DO	MG/L 14.5
032	00916	CALCIUM CA-TOT	MG/L 26
076	00927	MAGNESIUM MG,TOT	MG/L 17
101	00937	POTASSIUM K,TOT	MG/L .85
113	00929	SODIUM NA,TOT	MG/L 2
116	00945	SULFATE SO4-TOT	MG/L 11
097	00403	LAB PH	SU 8.4
100	00665	PHOS-TOT	MG/L P .20
136	00671	PHOS-DIS ORTHO	MG/L P .175
088	00605	ORG N	MG/L 0.3
086	00610	NH3-N TOTAL	MG/L .06
085	00630	NO2&NO3 N-TOTAL	MG/L 1.66
002	00410	T ALK CACO3	MG/L 120
035	00940	CHLORIDE CL	MG/L 4
114	00095	CNDUCTIVY AT 25C	MICROMHO 270
068	00900	TOT HARD CACO3	MG/L 135
119	00076	TURB TURBIDMTR	UACH FTU 1.3



DEPARTMENT OF NATURAL RESOURCES
LAKE SURVEY

FIELD # STR
DATE 8/25/77
TIME 1405

LAKE Stratton Lake COUNTY Waupaca TN R SEC.

SAMPLE LOCATION Deepest Area just off boat landing

WIND DIR. & INTEN. SE Moderate SAMPLE TYPE KEMMER

CLOUD COVER Wispy SAMPLE VOLUME

WATER SURF. COND. 3-4" waves CHLORO. a

TURBIDITY BIOMASS

SAMPLE DEPTH 5 M PRESERVATIVE/CONC.

FIELD REMARKS:

LAB DATA

TOT. ALKALINITY (Ca CO ₃)	_____	TOT. - P	_____
HARDNESS (AS Ca CO ₃)	_____	SOL. - P	_____
CHLOROPHYLL a	_____	TOT. ORG. - N	_____
BIOMASS - VOL SOLIDS	_____	AMMONIA - N	_____
Ca	_____	NO ₂ -N+NO ₃ -N	_____
Mg	_____	K	_____
Na	_____	SO ₄	_____

COLLECTED BY KFH+LKU

LOCATION	DATE	TIME	DEPTH	ACCOUNT-#	LAB-SLIP-#	END-DATE	END-TIME
693028	770825	1405	M005	081440	016760		
STRATTON LAKE DEEPEST PART-EP							
TEST-#	STORET-#	TEST-NAME-AND-UNITS			TEST-VALUE		
EXTRA INFORMATION ABOUT SAMPLE: HELF							
EXTRA INFORMATION ABOUT SAMPLE: S#STR							
131	00010	WATER	TEMP	CENT	20.2		
091	00300	DO		MG/L	8.6		
096	00400	PH		SU	8.4		
132	00078	TRANSP	SECCHI	METERS	3.25		
032	00916	CALCIUM	CA-TOT	MG/L	23		
076	00927	MGNSIUM	MG, TOT	MG/L	16		
101	00937	PTISSIUM	K, TOT	MG/L	1.2		
113	00929	SODIUM	NA, TOT	MG/L	2		
116	00945	SULFATE	SO4-TOT	MG/L	8		
097	00403	LAB	PH	SU	8.1		
100	00665	PHOS-TOT		MG/L P	.25		
136	00671	PHOS-DIS	ORTHO	MG/L P	.21		
088	00605	ORG N	N	MG/L	0.3		
086	00610	NH3-N	TOTAL	MG/L	.09		
085	00631	NO2&NO3	N-DISS	M G/L	.78		
002	00410	T ALK	CACO3	MG/L	108		
035	00940	CHLORIDE	CL	MG/L	4		
114	00095	CNDUCTVY	AT 25C	MICROMHO	225		
068	00900	TOT HARD	CACO3	MG/L	124		
119	00076	TURB	TRBIDMTR	HACH FTU	1.1		

DEPARTMENT OF NATURAL RESOURCES
LAKE SURVEY

FIELD # _____

DATE 10-13-77

TIME 12:30

LAKE STRATTON COUNTY SAURACCA T_H _____ R _____ SEC. _____

SAMPLE LOCATION DEEPEST PART

WIND DIR. & INTEN. W LIGHT SAMPLE TYPE Kemmer

CLOUD COVER None SAMPLE VOLUME _____

WATER SURF. COND. CALM CHLORO. a _____

TURBIDITY 5 BIOMASS _____

SAMPLE DEPTH 4 M PRESERVATIVE/CONC. _____

FIELD REMARKS:

LAB DATA

TOT. ALKALINITY (Ca CO ₃)	_____	TOT. - P	_____
HARDNESS (AS Ca CO ₃)	_____	SOL. - P	_____
CHLOROPHYLL a	_____	TOT. ORG. - N	_____
BIOMASS - VOL SOLIDS	_____	AMMONIA - N	_____
Ca	_____	NO ₂ -N+NO ₃ -N	_____
Mg	_____	K	_____
Na	_____	SO ₄	_____

COLLECTED BY _____

LOCATION	DATE	TIME	DEPTH	ACCOUNT-#	LAB-SLIP-#	END-DATE	END-TI
693028	771013	1230	M004	081440	028541		
STRATTON LAKE DEEPEST PART-EP							

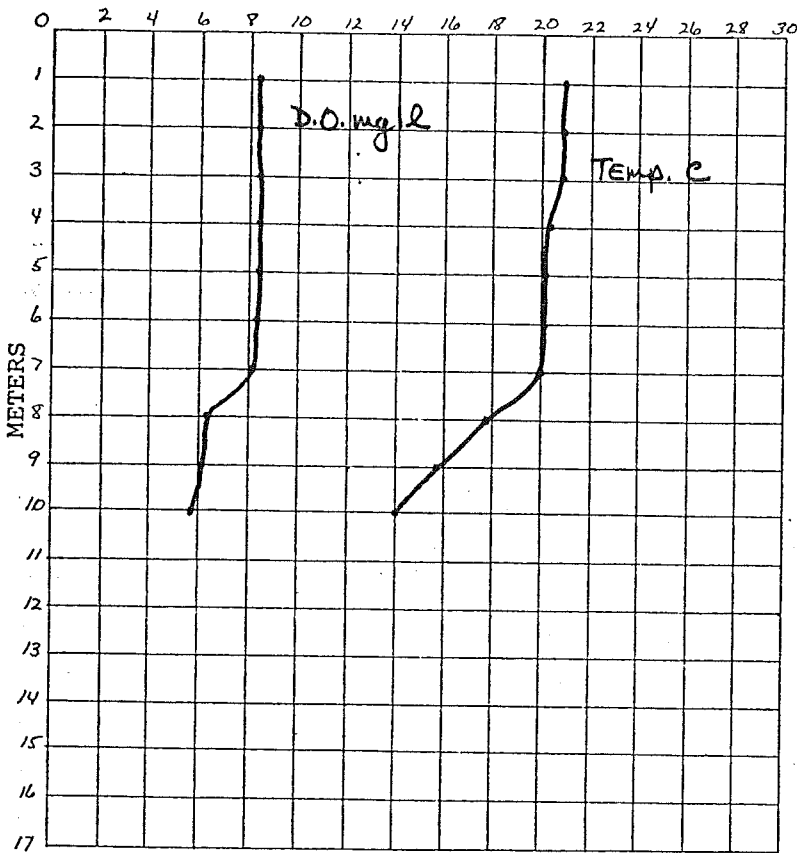
TEST-#	STORET-#	TEST-NAME-AND-UNITS	TEST-VALUE
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EXTRA INFORMATION ABOUT SAMPLE: DCW
 EXTRA INFORMATION ABOUT SAMPLE: S#STR

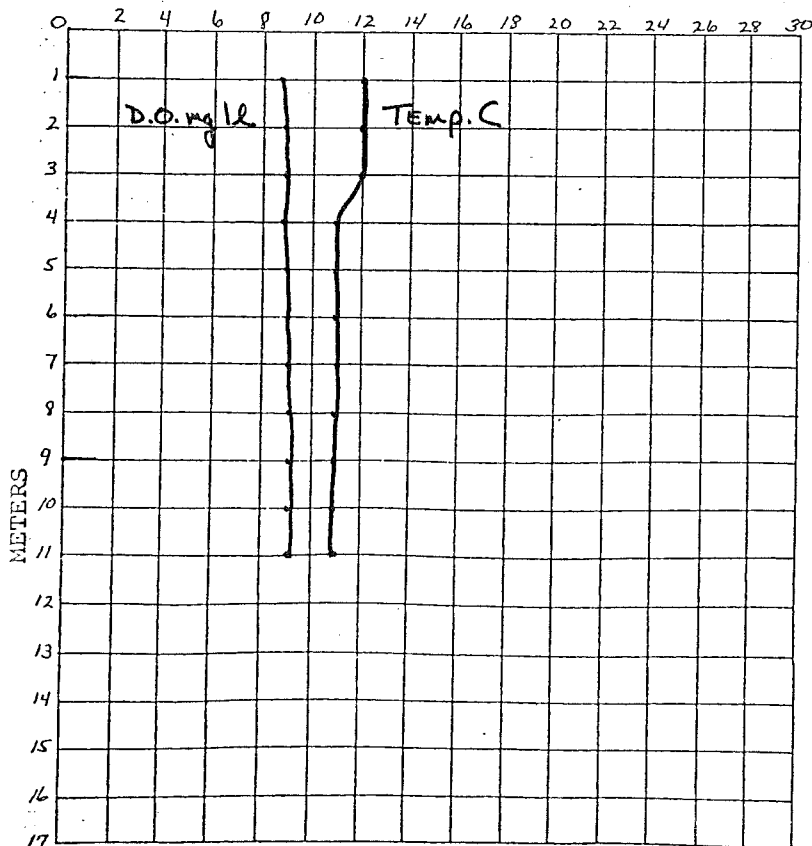
131	00010	WATER TEMP	CENT	11
091	00300	DO	MG/L	9.1
096	00400	PH	SU	8.3
032	00916	CALCIUM CA-TOT	MG/L	28
076	00927	MGNISIUM MG,TOT	MG/L	15
101	00937	PTSSIUM K,TOT	MG/L	1.1
113	00929	SODIUM NA,TOT	MG/L	3
116	00945	SULFATE SO4-TOT	MG/L	10
097	00403	LAB PH	SU	8.2
100	00665	PHOS-TOT	MG/L P	<.02
136	00671	PHOS-DIS ORTHO	MG/L P	<.004
088	00605	ORG N	MG/L	0.4
086	00610	NH3-N TOTAL	MG/L	.24
085	00631	NO2&NO3 N-DISS M	G/L	.91
002	00410	T ALK	MG/L	120
035	00940	CHLORIDE CL	MG/L	5
114	00095	CNDUCTVY AT 25C	MICROMHO	268
068	00900	TOT HARD	CACO3 MG/L	132
119	00076	TURB	TRBIDMTR HACH FTU	.8

Lake Name: Stratten Lake - Waupaca Co.

Conducted By Lake Michigan District Staff



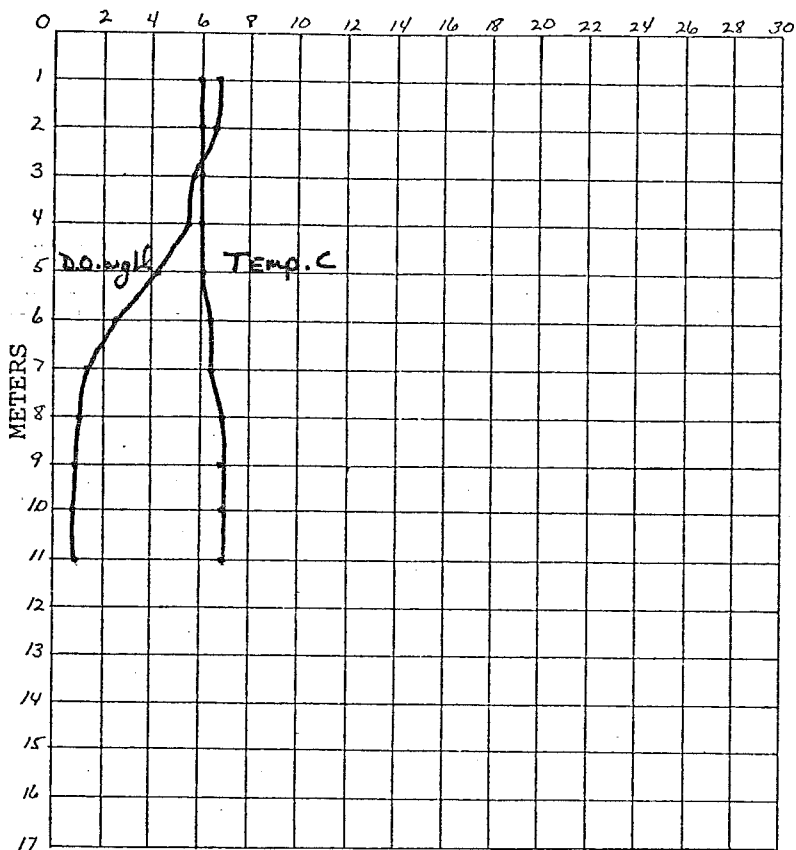
Date:	<u>8-25-77</u>
Sample Depth	<u>5 meters</u>
pH	<u>8.1 su</u>
Calcium	<u>23 mg/l</u>
Magnesium	<u>16 mg/l</u>
Potassium	<u>1.2 mg/l</u>
Sodium	<u>2 mg/l</u>
Chloride	<u>4 mg/l</u>
Sulfate	<u>8 mg/l</u>
Phosphorus-total	<u>.25 mg/l</u>
Phosphorus-ortho	<u>.21 mg/l</u>
Nitrogen-organic	<u>.3 mg/l</u>
NH ₃ -N	<u>.09 mg/l</u>
NO ₂ +NO ₃ -N	<u>.78 mg/l</u>
Alkalinity (as CaCO ₃)	<u>108 mg/l</u>
Conductivity	<u>225 uhmos</u>
Hardness (as CaCO ₃)	<u>124 mg/l</u>
Turbidity	<u>1.1 JTV</u>
Secchi	<u>3.25 M</u>



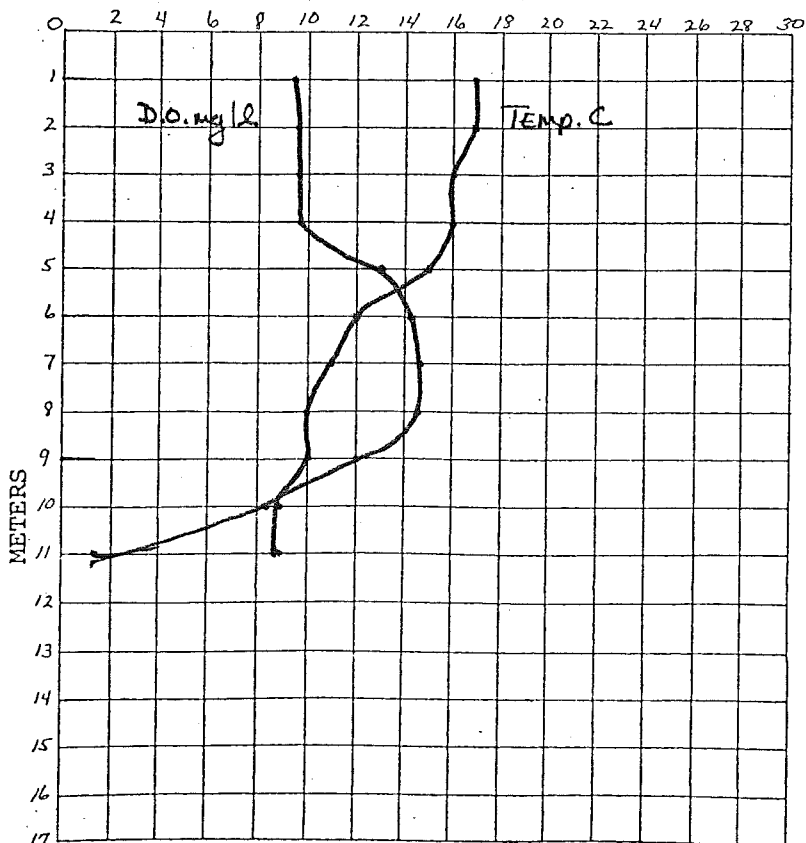
Date:	<u>10-13-77</u>
Sample Depth	<u>4 meters</u>
pH	<u>8.2 su</u>
Calcium	<u>28 mg/l</u>
Magnesium	<u>15 mg/l</u>
Potassium	<u>1.1 mg/l</u>
Sodium	<u>3 mg/l</u>
Chloride	<u>5 mg/l</u>
Sulfate	<u>10 mg/l</u>
Phosphorus-total	<u><.02 mg/l</u>
Phosphorus-ortho	<u><.004 mg/l</u>
Nitrogen-organic	<u>.4 mg/l</u>
NH ₃ -N	<u>.24 mg/l</u>
NO ₂ +NO ₃ -N	<u>.91 mg/l</u>
Alkalinity (as CaCO ₃)	<u>120 mg/l</u>
Conductivity	<u>268 uhmos</u>
Hardness (as CaCO ₃)	<u>132 mg/l</u>
Turbidity	<u>1.8 JTV</u>
Secchi	<u>5 M</u>

Lake Name: Stratten Lake - Waupaca Co.

Conducted By Lake Michigan District Staff



Date:	<u>2-16-77</u>
Sample Depth	<u>1 meters</u>
pH	<u>8.1 su</u>
Calcium	<u>34 mg/l</u>
Magnesium	<u>16 mg/l</u>
Potassium	<u>1.2 mg/l</u>
Sodium	<u>2 mg/l</u>
Chloride	<u>5 mg/l</u>
Sulfate	<u>11 mg/l</u>
Phosphorus-total	<u>.04 mg/l</u>
Phosphorus-ortho	<u>.040 mg/l</u>
Nitrogen-organic	<u>.4 mg/l</u>
NH ₃ -N	<u>.21 mg/l</u>
NO ₂ +NO ₃ -N	<u>3.4 mg/l</u>
Alkalinity (as CaCO ₃)	<u>124 mg/l</u>
Conductivity	<u>260 uhmos</u>
Hardness (as CaCO ₃)	<u>152 mg/l</u>
Turbidity	<u>.7 JTV</u>



Date:	<u>5-9-77</u>
Sample Depth	<u>8 meters</u>
pH	<u>8.4 su</u>
Calcium	<u>26 mg/l</u>
Magnesium	<u>17 mg/l</u>
Potassium	<u>.86 mg/l</u>
Sodium	<u>2 mg/l</u>
Chloride	<u>4 mg/l</u>
Sulfate	<u>11 mg/l</u>
Phosphorus-total	<u>.20 mg/l</u>
Phosphorus-ortho	<u>.175 mg/l</u>
Nitrogen-organic	<u>.3 mg/l</u>
NH ₃ -N	<u>.06 mg/l</u>
NO ₂ +NO ₃ -N	<u>1.66 mg/l</u>
Alkalinity (as CaCO ₃)	<u>120 mg/l</u>
Conductivity	<u>270 uhmos</u>
Hardness (as CaCO ₃)	<u>135 mg/l</u>
Turbidity	<u>1.3 JTV</u>