

Zooplankton Data - Nagawicka Lake - Waukesha Co. 1986

Key = Abundant 5
 Very Common 4
 Common 3

Occasional 2
 Present 1
 Absent 0

Lake Name	Nagawicka Lake	Nagawicka Lake	Nagawicka Lake	Nagawicka Lake
County Name	Waukesha County	Waukesha County	Waukesha County	Waukesha County
Water Body #				
STORET #				
Latitude				
Longitude				
Collector				
Collection Date	21-Apr-86	25-Jun-86	10-Jul-86	13-Aug-86
Year	86	86	86	86
Month	4	6	7	8
Day	21	25	10	13
Identification By	Woolsey, Edward A. Woolsey, Edward A. Woolsey, Edward A. Woolsey, Edward A.			
Date of Identification				
Tow Length Meters	29.2	29.2	29.2	29.2
Liter/(MG/L) Subsample	1.52	1.52	1.52	1.52
Size-Daphnia-Number	28	29	30	30
Size-Daphnia-Mean mm	1.72	2.29	2.33	2.31
Size-Daphnia-Standard deviation	0.73	0.46	0.42	0.43
Size-Copepods-Number	33	31	31	30
Size-Copepods-Mean	1.13	1.42	1.32	1.3
Size-Copepods-Standard deviation	0.3	0.24	0.31	0.36
Size-All Zooplankton-Number	34	38	36	32
Size-All Zooplankton-Mean	1.3	1.72	1.93	1.86
Size-All Zooplankton-SD	0.5	0.71	0.67	0.66
Acanthocyclops vernalis	0	3	3	3
Chydorus sphaericus	3	3	2	0
Daphnia galeata mendotae	2	2	2	4
Daphnia pulicaria	4	5	4	3
Diacyclops thomasi	5	2	0	0
Diaphanosoma leuchtenbergianum	0	0	0	3
Mesocyclops edax	2	3	2	3
Skistodiaptomus oregonensis	0	2	0	2
Tropocyclops prasinus	2	3	3	2
Chaoborus Sp.	2	0	2	2
Leptodiaptomus sicilis	3	4	3	5
Orthocyclops modestos	2	0	0	0
Leptodora kindtii	0	0	0	2

Lake: Nagawicka Lake
County: Waukesha
Date: June 1986

Cyanobacteria

2 Anabaena flos-aquae
3 Aphanizomenon flos-aquae
1 Chroococcus limneticus
1 Microcystis sp.

Diatoms

1 Asterionella formosa
2 Cyclotella cf. comta
1 Fragilaria crotonensis
2 Tabellaria flocculosa

Dinoflagellates

2 Ceratium hirundinella

Cryptomonads

1 Cryptomonas cf. ovata

Green algae

Chrysophytes

2 Dinobryon divergens

Euglenoids

Ratio: Eukaryotic Algae / Cyanobacteria
by biomass - 65 / 35
by cell density - 20 / 80

"Unit" Size Distribution (as percent)

1-10um: 10
11-20um: 5
21-30um: 5
31-40um:
41-50um:
51-60um:
61-70um: 10
71-80um: 10
>80um: 60

NOTE: Preservation questionable.

Lake: Nagawicka Lake
County: Waukesha
Date: July 1986

Cyanobacteria

3 Anabaena flos-aquae
5 Aphanizomenon flos-aquae
2 Chroococcus limneticus

Diatoms

4 Cyclotella cf. comta
5 Fragilaria crotonensis

Dinoflagellates

3 Ceratium hirundinella

Cryptomonads

2 Cryptomonas ovata

Green algae

Chrysophytes

2 Dinobryon cylindricum

Euglenoids

Ratio: Eukaryotic Algae / Cyanobacteria
by biomass - 50 / 50
by cell density - 35 / 65

"Unit" size Distribution (as percent)

1-10um: 5
11-20um: 10
21-30um: 10
31-40um:
41-50um:
51-60um: 5
61-70um:
71-80um:
>80um: 70

NOTE: Preservation questionable.

Lake: Nagawicka Lake
County: Waukesha
Date: August 1986

Cyanobacteria

3 Anabaena flos-aquae
1 Anabaena planctonica
4 Aphanizomenon flos-aquae
2 Chroococcus limneticus
2 Microcystis aeruginosa

Diatoms

2 Fragilaria crotonensis

Dinoflagellates

4 Ceratium hirundinella

Cryptomonads

3 Cryptomonas cf. ovata

Green algae

1 Closterium sp.
1 Oocystis sp.

Chrysophytes

1 Dinobryon cylindricum

Euglenoids

Ratio: Eukaryotic Algae / Cyanobacteria
by biomass - 50 / 50
by cell density - 0 / 80

"Unit" Size Distribution (as percent)

1-10um: 5
11-20um: 5
21-30um:
31-40um:
41-50um:
51-60um:
61-70um: 5
71-80um: 5
>80um: 80

NOTE: Preservation questionable.

Water Body No.:
 Lake: Nagawicka
 County: Waukesha
 DNR District: SED

Zooplankton 1988

Collected by:
 Identified by: Dr. William E. Walton

 Key = Abundant 5 Occasional 2
 Very Common 4 Present 1
 Common 3 Absent 0

	17 Feb	14 Apr	8 Jun	18 Jul	23 Aug
Tow length (m)					
Subsample volume	0.1	0.1	0.1	0.1	0.1
Daphnia					
Number	15	7	0	22	24
Mean size (mm)	1.16	1.51		1.56	1.34
Standard deviation	0.30	0.82		0.56	0.48
Copepods					
Number	45	50	3	58	62
Mean size (mm)	0.69	0.62	0.52	0.56	0.54
Standard deviation	0.40	0.43	0.33	0.39	0.31
All zooplankton					
Number	60	69	4	84	97
Mean size (mm)	0.81	0.65	0.46	0.82	0.75
Standard deviation	0.43	0.54	0.30	0.62	0.49

	17 Feb	14 Apr	8 Jun	18 Jul	23 Aug
Skistodiaptomus oregonensis	5	3		4	3
Calanoid copepodids	0	0	2	4	5
Calanoid nauplii	0	4		5	5
Acanthocyclops vernalis	0	3		1	1
Diacyclops bicuspidatus thomasi	5	4		1	1
Mesocyclops edax	0	0		4	4
Orthocyclops modestus	0	0		1	2
Tropocyclops prasinus	3	2		3	5
Cyclopoid copepodids	5	5	2	5	4
Cyclopoid nauplii	5	5	2	5	5
Chippuisius sp.	0	3		0	0
Bosmina longirostris	0	3		0	0
Chydorus sphaericus	1	5	2	1	1
Daphnia galeata mendotae	3	0		5	4
Daphnia pulicaria	5	4		5	5
Daphnia retrocurva	0	0		1	4
Diaphanosoma birgei	0	0		2	4
Eubosmina coregoni	0	0		3	2
Leptodora kindtii	0	0		0	2
Pleuroxus procurvatus	0	0		1	0

DNR BASELINE MONITORING

Lake Name Nagawicka Date 8 / 15 / 00 Time 1:31
 Sample Location (e.g., deepest point in basin) Deep Hole
 WBIC 08 28000 % Cloud Cover/Precip 300%
 Observers Wakeman Wind Speed 15 mph from NW Direction
Bank

Field Measurements and Observations

✓ Secchi Disk 2.4 (m) or ft) Custer Color Strip Reading 1
 Algae Development – Not apparent _____
 Slight (just visible) _____
 Moderate (quite noticeable) _____
 Heavy (very green) _____
 ✓ Site depth 90 (m or ft)
 pH at 1 meter 7.59

Profiles

Depth ft or m	DO mg/L	Temp °C	Cond µS	Depth ft or m	DO mg/L	Temp °C	Cond µS	Depth ft or m	DO mg/L	Temp °C	Cond µS
1	8.9	26.2	604	30	2.6	13.9	630	60	3.5	7.25	638
3	9.0	26.2	605	33	3.2	12.0	632	63	3.0	7.2	637
6	8.9	26.2	606	36	4.0	10.2	636	66	2.2	7.2	638
9	9.0	26.1	606	39	4.3	9.1	639	69	1.0	7.1	639
12	9.0	26.0	606	42	4.5	8.5	639	72	0.4	7.0	640
15	8.9	25.7	606	45	4.5	8.0	639	75	0.2	7.0	640
18	8.4	25.0	612	48	4.4	7.8	638	78	0.2	7.0	640
21	6.3	22.6	615	51	4.2	7.5	639	81	0.2	7.0	641
24	5.6	22.0	615	54	3.8	7.3	638	84	0.2	6.9	641
27	3.2	19.5	623	57	3.6	7.3	638	87	0.1	6.9	642

Meter Type and ID Number(s) _____

Water Samples

Depth of Integrated Water Sample 18 m or ft SLH Field Number NA61A 1
 Amount filtered for chlorophyll 800 mLs

Comments / Observations

DNR BASELINE MONITORING

Lake Name Nagawicka Lake Date 5/07/01 Time 12:17 PM
 Sample Location (e.g., deepest point in basin) Deep spot @ 93 ft
 WBIC 828000 % Cloud Cover/Precip 100% / Lt rain
 Observers Wray Wind Speed 10-15 mph from SW Direction
Bank

Field Measurements and Observations

Secchi Disk 4.7 (m or ft) Custer Color Strip Reading 6
 Algae Development - Not apparent _____ Site depth 93 (m or ft)
 Slight (just visible) X
 Moderate (quite noticeable) _____
 Heavy (very green) _____
 pH at 1 meter 7.56

Profiles

Depth ft or m	DO mg/L	Temp °C	Cond µS	Depth ft or m	DO mg/L	Temp °C	Cond µS	Depth ft or m	DO mg/L	Temp °C	Cond µS
1	10.48	14.11	648	45	11.28	8.71	647				
3	10.46	14.10	649	50	11.20	8.48	645				
6	10.41	14.9	649	55	11.20	8.10	646				
10	10.43	13.97	649	60	11.10	8.00	645				
15	10.39	13.89	649	65	11.07	7.86	645				
20	10.47	13.29	650	70	10.91	7.78	645				
25	10.54	10.46	650	75	10.82	7.65	645				
30	10.45	10.85	647	85	10.62	7.59	645				
35	11.20	9.51	646	90	10.27	7.46	645				
40	11.21	8.92	645								

Meter Type and ID Number(s) Hydrolab Saver 3

Water Samples

Depth of Integrated Water Sample 1 m or ft SLH Field Number NAG 1
85 ft
 Amount filtered for chlorophyll 1000 mL mLS NAG 2

Comments / Observations

Wind picked up in a hour

DNR BASELINE MONITORING

Lake Name Nagawicka Date 6/20/01 Time 12:40

Sample Location (e.g., deepest point in basin) Deep Spot

WBIC 0828800 % Cloud Cover/Precip 10%

Observers Mike Olander
Heidi Bunk
Karen Zienty Wind Speed 5-10 mph from NW Direction

Field Measurements and Observations

✓ Secchi Disk 4.25 (m or ft) Custer Color Strip Reading _____
Algae Development – Not apparent _____
Slight (just visible) X Site depth 93 (m or ft)
Moderate (quite noticeable) _____
Heavy (very green) _____
✓ pH at 1 meter 7.38

Profiles

Depth ft or m	DO mg/L	Temp °C	Cond µS	Depth ft or m	DO mg/L	Temp °C	Cond µS	Depth ft or m	DO mg/L	Temp °C	Cond µS
1	8.73	22.19	637	50	7.68	8.50	647				
5	8.74	22.04	637	55	7.22	8.20	649				
10	8.74	21.64	638	60	7.01	8.11	649				
15	8.63	21.41	638	65	7.12	8.01	649				
20'	8.72	19.87	643	70	6.36	7.92	649				
25'	8.94	15.16	647	75	6.08	7.84	649				
30	8.95	14.17	648	80	4.61	7.66	650				
35'	8.32	12.29	650	85	4.37	7.61	651				
40	8.07	10.54	651	90	4.03	7.58	650				
45'	7.71	9.21	649	95	3.92	7.59	652				

Meter Type and ID Number(s) HydroLab Surveyor 3

Water Samples

Depth of Integrated Water Sample 0-6 m or ft SLH Field Number NAG1

Amount filtered for chlorophyll NA62 85ft mLs NA6^a

Comments / Observations

DNR BASELINE MONITORING

Lake Name Nagawicka Date 8 / 30 / 01 Time 4:17 PM
 Sample Location (e.g., deepest point in basin) Deep Spot @ 90 ft
 WBIC 828000 % Cloud Cover/Precip 70% / Dry
 Observers Graef Wind Speed 15 mph from SW Direction
Bank

Field Measurements and Observations

Secchi Disk 2.50 (m or ft) Custer Color Strip Reading 3
 Algae Development - Not apparent _____ Site depth 90 (m or ft)
 Slight (just visible) _____
 Moderate (quite noticeable) X pH at 1 meter 8.46
 Heavy (very green) _____

Profiles

Depth ft or m	DO mg/L	Temp °C	Cond µS	Depth ft or m	DO mg/L	Temp °C	Cond µS	Depth ft or m	DO mg/L	Temp °C	Cond µS
1	9.20	23.46	615								
3	9.25	23.43	616								
6	9.28	23.41	616								
9	9.23	23.38	615								
12	9.27	23.35	614								
15	9.21	23.26	615								
18	9.07	23.13	616								
21	7.31	22.51	624								
24	3.77	20.60	637								

Meter Type and ID Number(s) Hydrolab Surveyor 3

Water Samples

Depth of Integrated Water Sample 0-6 m or ft SLH Field Number NAGA 1
 Amount filtered for chlorophyll 800 mLs

Comments / Observations

Storet 683129

DNR BASELINE MONITORING

Lake Name Nagawirka Date 10 / 01 / 01 Time 1:46 PM
 Sample Location (e.g., deepest point in basin) Deep Spot @ 93 ft
 WBIC 828000 % Cloud Cover/Precip Clear / Dry
 Observers Bunk Wind Speed 10 mph from NW Direction
Kline

Field Measurements and Observations

✓ Secchi Disk 4.2 (m or ft) Custer Color Strip Reading 2
 Algae Development - Not apparent _____ Site depth 93 (m or ft)
 Slight (just visible) _____
 Moderate (quite noticeable) X ✓ pH at 1 meter 8.24
 Heavy (very green) _____
 pH @ 85 ft = 7.45

Profiles

Depth ft or m	DO mg/L	Temp °C	Cond µS	Depth ft or m	DO mg/L	Temp °C	Cond µS	Depth ft or m	DO mg/L	Temp °C	Cond µS
1	9.53	16.58	614	30	8.18	15.42	617	60	0.01	8.38	653
3	9.49	16.53	615	33	8.11	15.26	618	63	0.00	8.24	653
6	9.46	16.44	615	36	7.29	14.76	624	66	0.00	8.18	655
9	9.41	16.40	615	39	5.33	14.18	630	69	0.00	8.15	654
12	9.38	16.29	615	42	0.45	11.03	655	72	0.00	8.05	654
15	9.35	16.28	614	45	0.19	10.22	654	75	0.00	8.01	655
18	9.05	15.69	615	48	0.16	9.34	653	78	0.00	7.98	655
21	8.54	15.63	616	51	0.08	9.03	655	81	0.00	7.95	655
24	8.48	15.58	616	54	0.03	8.88	654	84	0.00	7.91	655
27	8.40	15.51	617	57	0.02	8.52	654	87	0.00	7.82	656

Meter Type and ID Number(s) HydroLab Surveyor 3 (85) 0.00 7.81 656

Water Samples

Depth of Integrated Water Sample 0-6 m or ft SLH Field Number NAGA 1
NAGA 2
 Amount filtered for chlorophyll 1000 mLs

Comments / Observations

NAGA 2 = 85 ft

DNR BASELINE MONITORING

Lake Name Magnolia Lake Date 4/4/02 Time 1pm
 Sample Location (e.g., deepest point in basin) 25 ft
 WBIC _____ % Cloud Cover/Precip 100% cloud
 Observers David Vols Wind Speed 100 mph from NE Direction
Robinson

Field Measurements and Observations

✓ Secchi Disk 38 (m or ft) Custer Color Strip Reading _____
 Algae Development – Not apparent _____ Site depth _____ (m or ft)
 Slight (just visible) _____
 Moderate (quite noticeable) _____
 Heavy (very green) _____
 ✓ pH at 1.5 ft 8.34

Profiles

Depth ft or m	DO mg/L	Tmp °C	Cond µS	Depth ft or m	DO mg/L	Tmp °C	Cond µS	Depth ft or m	DO mg/L	Tmp °C	Cond µS
Surface	13.40	2.53	641								
5'	13.56	2.53	641								
10'	13.57	2.57	641								
15'											

Meter Type and ID Number(s) _____

Water Samples

Depth of Integrated Water Sample _____ m or ft SLH Field Number NAGS1
 Amount filtered for chlorophyll _____ mLs

Comments / Observations

TP = surface

DNR BASELINE MONITORING

Lake Name Nagawickes Date 7/31/02 Time 2:40 PM
 Sample Location (e.g., deepest point in basin) Deep spot @ 93 ft
 WBIC 828000 % Cloud Cover/Precip 50% / Dry
 Observers Stephanie Manning Wind Speed 10 mph from SW Direction
Heidi Bunk

Field Measurements and Observations

✓ Secchi Disk 1.95 (m or ft) Custer Color Strip Reading _____
 Algae Development – Not apparent _____ Site depth 93 (m or ft)
 Slight (just visible) _____
 Moderate (quite noticeable) _____
 Heavy (very green) X ✓ pH at 1 meter 9.23

Profiles

Depth ft or m	DO mg/L	Temp °C	Cond µS	Depth ft or m	DO mg/L	Temp °C	Cond µS	Depth ft or m	DO mg/L	Temp °C	Cond µS
1	8.73	26.95	624	45	5.31	10.49	668				
3	8.74	26.91	623	50	5.31	10.21	667				
5	8.78	26.88	624	55	5.11	9.26	666				
10	8.90	26.49	622	60	3.95	8.56	666				
15	8.24	25.04	628	65	2.34	8.29	666				
20	6.40	22.69	651	70	2.11	8.22	666				
25	6.52	16.62	671	75	1.37	8.02	666				
30	6.42	13.33	670	80	1.16	7.97	665				
35	5.61	12.03	669	85	0.44	7.86	667				
40	5.65	11.10	668	90	0.18	7.75	667				

Meter Type and ID Number(s) Hydrolab Surveyor 3

Water Samples

Depth of Integrated Water Sample 0-6 m or ft SLH Field Number NAGS 1
 Amount filtered for chlorophyll 500 mLs

Comments / Observations

Veliger Tow 2 @ m tows
 Tested pH for both samples

DNR BASELINE MONITORING

Lake Name Nagawicko Date 7/21/08 Time 7/27/08

Sample Location (e.g. deepest point in basin) 85 feet deep hole

WBIC _____ % Cloud Cover 100%

Observers Bunk Wind Speed 5-10 mph from NW Direction
McManama

Field Measurements and Observations

Secchi Disk 3.9, 4.2 (m or ft) Custer Color Strip Reading D3, D1

Algae Development - Not apparent _____ Site Depth 80 (m or ft)
Slight (just visible) _____
Moderate (quite noticeable) X _____ pH at 1 meter 8.56
Heavy (very green) _____

Profiles

21.0.0.

Depth (ft or m)	DO mg/L	Temp oC	Cond μS	pH	Depth (ft or m)	DO mg/L	Temp oC	Cond μS	pH	Depth (ft or m)	DO mg/L	Temp oC	Cond μS	pH
3	7.83	25.53	735	8.56	39	4.90	10.33	763	7.88	44.6				
6	7.81	25.52	732	8.55	42	5.15	9.13	762	7.86	45.1				
9	7.64	25.49	732	8.55	45	5.37	8.52	761	7.86	46.3				
12	7.50	25.03	733	8.52	48	5.41	8.14	760	7.84	46.1				
15	6.58	24.06	738	8.42	51	5.55	7.77	760	7.83	46.5				
18	6.25	23.18	741	8.35	54	5.31	7.48	760	7.81	44.9				
21	5.65	22.31	746	8.26	57	5.18	7.34	761	7.80	42.9				
24	4.64	20.66	755	8.14	60	4.97	7.20	761	7.79	41.4				
27	3.70	16.27	759	7.97	63	4.97	7.08	761	7.79	41.3				
30	3.81	14.3	762	7.94	66	4.76	6.98	761	7.78	39.6				
33	4.13	13.1	764	7.93	69	5.00	6.92	761	7.77	41.5				
36	5.54	11.24	764	7.90	72	4.36	6.73	762	7.75	36.3				

21.0.0.
96.1
96.3
94.1
91.6
78.6
73.3
65.4
51.9
38.4
37.6
39.4
52.2

Meter Type and ID Number(s) HydroLab Surveyor 4a

Water Samples

Depth of Intergrated Water Sample 0-6 m or ft SLH Field Number Nags 1

Amount filtered for chlorophyll _____ mLs

<i>21.0.0.</i>	DO	Temp	Comments / Observations		
75	33.8	4.14	6.69	760	7.74
78	30.0	3.65	6.57	762	7.72
81					
84					

DNR BASELINE MONITORING

Lake Name Nagswicks Date 8/04/08 Time 11:15 AM

Sample Location (e.g. deepest point in basin) Deep Spot @ 88ft

WBIC _____ % Cloud Cover 30% Partly Sunny

Observers McManama Wind Speed 10-15 mph from SW Direction
Bunk

Field Measurements and Observations

Secchi Disk 2.4, 2.5 (m or ft) Custer Color Strip Reading A2 A2 (orange)

Algae Development - Not apparent _____ Site Depth 88 (m or ft)
Slight (just visible) _____
Moderate (quite noticeable) _____ pH at 1 meter 8.56
Heavy (very green) X

Profiles

Depth ft or m	DO mg/L	Temp oC	Cond µS	pH	Depth ft or m	DO mg/L	Temp oC	Cond µS	pH	Depth ft or m	DO mg/L	Temp oC	Cond µS	pH
135.8 3	11.05	25.68	760	8.56	75	5.51	6.74	762	7.71	39	5.28	11.45	769	7.82
134.9 6	10.96	25.64	758	8.56	78	4.32	6.59	765	7.68	42	6.24	8.83	762	7.81
138.0 9	11.28	25.41	759	8.55	81	3.11	6.57	764	7.64	45	6.64	8.16	765	7.79
132.0 12	10.75	25.36	758	8.53	84	2.11	6.48	764	7.62	48	7.02	7.75	763	7.78
126.3 15	10.40	25.21	763	8.48	87	1.11	6.43	766	7.61	51	7.05	7.58	763	7.78
97.2 18	8.14	23.96	777	8.26	90	0.69	6.42	765	7.61	54	6.92	7.54	763	7.78
70.2 21	5.73	22.63	798	8.05						57	6.91	7.39	763	7.77
57.2 24	3.45	18.63	758	7.88						60	6.71	7.22	762	7.76
35.3 27	3.45	16.17	764	7.83						63	6.43	7.14	762	7.75
36.6 30	3.70	14.80	768	7.83						66	6.32	7.01	763	7.75
43.5 33	4.54	13.03	770	7.83						69	6.06	6.92	763	7.74
44.9 36	4.74	12.56	768	7.82						72	6.02	6.83	762	7.74

Meter Type and ID Number(s) Hydrolab Surveyor 4a

Water Samples

Depth of Intergrated Water Sample 0-6 m or ft SLH Field Number Nags1

Amount filtered for chlorophyll _____ mLs

Comments / Observations

N 43.06915°

W 088.38555°

± 00.2 ft

DNR BASELINE MONITORING

Lake Name Wagawicka Date 8/26/08 Time 1:50 PM

Sample Location (e.g. deepest point in basin) Deep Spot @ 85 ft

WBIC _____ % Cloud Cover 15% Sunny

Observers Bunk McManama Wind Speed 5-10 mph from E/NE Direction

Field Measurements and Observations

Secchi Disk 3-6 2.65 (m or ft) Custer Color Strip Reading A2 D3

Algae Development - Not apparent _____ Site Depth 80 (m or ft)
 Slight (just visible) _____
 Moderate (quite noticeable) _____ pH at 1 meter 8.50
 Heavy (very green) _____

Profiles

Depth ft or m	DO mg/L	Temp oC	Cond µS	pH	Depth ft or m	DO mg/L	Temp oC	Cond µS	pH	Depth ft or m	DO mg/L	Temp oC	Cond µS	pH
<u>111.6</u>	<u>9.51</u>	<u>23.46</u>	<u>778</u>	<u>8.50</u>	<u>39</u>	<u>3.44</u>	<u>10.45</u>	<u>773</u>	<u>7.75</u>	<u>75</u>	<u>2.28</u>	<u>6.83</u>	<u>765</u>	<u>7.62</u>
<u>112.8</u>	<u>9.64</u>	<u>23.43</u>	<u>777</u>	<u>8.49</u>	<u>42</u>	<u>3.97</u>	<u>9.39</u>	<u>767</u>	<u>7.74</u>	<u>78</u>	<u>1.70</u>	<u>6.74</u>	<u>766</u>	<u>7.60</u>
<u>111.8</u>	<u>9.55</u>	<u>23.35</u>	<u>777</u>	<u>8.49</u>	<u>45</u>	<u>4.15</u>	<u>8.93</u>	<u>768</u>	<u>7.73</u>	<u>81</u>				
<u>108.4</u>	<u>9.34</u>	<u>23.00</u>	<u>777</u>	<u>8.46</u>	<u>48</u>	<u>4.44</u>	<u>8.38</u>	<u>767</u>	<u>7.73</u>	<u>84</u>				
<u>100.6</u>	<u>9.35</u>	<u>22.91</u>	<u>778</u>	<u>8.46</u>	<u>51</u>	<u>4.61</u>	<u>7.84</u>	<u>767</u>	<u>7.72</u>					
<u>102.7</u>	<u>8.94</u>	<u>22.36</u>	<u>778</u>	<u>8.38</u>	<u>54</u>	<u>4.50</u>	<u>7.51</u>	<u>765</u>	<u>7.71</u>					
<u>78.8</u>	<u>6.91</u>	<u>22.08</u>	<u>786</u>	<u>8.22</u>	<u>57</u>	<u>4.24</u>	<u>7.36</u>	<u>766</u>	<u>7.69</u>					
<u>58.3</u>	<u>5.12</u>	<u>21.88</u>	<u>788</u>	<u>8.11</u>	<u>60</u>	<u>4.08</u>	<u>7.23</u>	<u>765</u>	<u>7.68</u>					
<u>18.7</u>	<u>1.77</u>	<u>18.34</u>	<u>765</u>	<u>7.79</u>	<u>63</u>	<u>4.03</u>	<u>7.16</u>	<u>766</u>	<u>7.68</u>					
<u>18.1</u>	<u>1.82</u>	<u>15.20</u>	<u>766</u>	<u>7.76</u>	<u>66</u>	<u>3.51</u>	<u>7.07</u>	<u>766</u>	<u>7.66</u>					
<u>22.9</u>	<u>2.46</u>	<u>12.98</u>	<u>769</u>	<u>7.74</u>	<u>69</u>	<u>2.97</u>	<u>7.98</u>	<u>767</u>	<u>7.64</u>					
<u>25.9</u>	<u>2.88</u>	<u>11.65</u>	<u>768</u>	<u>7.74</u>	<u>72</u>	<u>3.00</u>	<u>6.88</u>	<u>764</u>	<u>7.65</u>					

Meter Type and ID Number(s) HydroLab Surveyor 4

Water Samples

Depth of Integrated Water Sample 0-6 m or ft SLH Field Number Nags 1

Amount filtered for chlorophyll _____ mLs

Comments / Observations

<u>N43.06745°</u>	<u>39 30.5</u>	<u>54 37.2</u>	<u>69 24.7</u>
<u>W088.38639°</u>	<u>42 34.2</u>	<u>57 35.6</u>	<u>72 25.0</u>
<u>± 14.1 ft</u>	<u>45 35.7</u>	<u>60 34.0</u>	
	<u>48 37.4</u>	<u>63 33.5</u>	

DNR BASELINE MONITORING

Lake Name Nagawick Date 4/24/09 Time 10:55 AM

Sample Location (e.g. deepest point in basin) Deep Spd @ 90 ft

WBIC _____ % Cloud Cover 70%

Observers Bunk Wind Speed 10 mph from SW Direction
Mr Manama

Field Measurements and Observations

Secchi Disk 5.4, 5.6 (m or ft) Custer Color Strip Reading 12, 12

Algae Development - Not apparent _____ Site Depth 90 (m or ft)
Slight (just visible) X
Moderate (quite noticeable) _____ pH at 1 meter 8.0
Heavy (very green) _____

Profiles

109.6
108.3
107.7
106.8
103.9

Depth ft or m	DO mg/L	Temp oC	Cond µS	pH	Depth ft or m	DO mg/L	Temp oC	Cond µS	pH	Depth ft or m	DO mg/L	Temp oC	Cond µS	pH
3	13.07	7.46	772	8.02										
6	12.87	7.41	771	7.74										
9	12.81	7.35	772	7.57										
12	12.66	7.29	771	7.48										
15	12.46	7.27	771	7.62										

Meter Type and ID Number(s) HydroLab Surveyor 4a

Water Samples

Depth of Intergrated Water Sample 1 m or ft SLH Field Number Nagaw

Amount filtered for chlorophyll _____ mLs

Comments / Observations

DNR BASELINE MONITORING

Lake Name Nagawicko Date 7/20/09 Time 11:50 AM

Sample Location (e.g. deepest point in basin) Reop Spd @ 91 ft

WBIC _____ % Cloud Cover 50%

Observers Schneider Wind Speed 5 mph from S-SW Direction
Bunk

Field Measurements and Observations

Secchi Disk 5.5, 4.16 (m or ft) * 1 added sunlight Custer Color Strip Reading A2, A2

Algae Development - Not apparent _____ Site Depth 91 (m or ft)
Slight (just visible) _____
Moderate (quite noticeable) X pH at 1 meter 8.38
Heavy (very green) _____

Profiles

Depth ft or m	DO mg/L	Temp oC	Cond µS	pH	Depth ft or m	DO mg/L	Temp oC	Cond µS	pH	Depth ft or m	DO mg/L	Temp oC	Cond µS	pH	Depth ft or m	
102.2	3	7.02	21.49	821	8.35	39	5.68	10.90	824	7.91	75	5.11	6.89	822	7.83	41.5
99.8	6	8.71	21.19	821	8.38	42	6.46	9.73	824	7.92	78	4.07	6.83	822	7.79	34.0
100.5	9	8.96	21.08	821	8.39	45	6.51	9.07	825	7.93	81	3.25	6.76	823	7.75	26.6
101.0	12	8.99	20.99	820	8.38	48	6.99	8.64	825	7.94	84	2.87	6.72	823	7.73	23.8
96.6	15	8.75	20.92	821	8.43	51	6.97	8.15	825	7.94	87	1.47	6.63	825	7.68	12.9
92.2	18	8.69	20.86	820	8.43	54	7.00	7.71	824	7.93	90					
97.3	21	8.71	20.80	818	8.42	57	6.24	7.47	823	7.89						
93.1	24	8.34	20.50	821	8.36	60	6.08	7.29	823	7.90						
80.3	27	7.06	18.90	828	8.16	63	6.20	7.15	822	7.89						
53.1	30	5.33	14.74	827	8.0	66	5.80	7.08	823	7.86						
50.2	33	5.23	13.38	826	7.98	69	5.57	7.01	822	7.86						
50.7	36	5.44	12.29	824	7.90	72	5.55	6.97	823	7.83						

Meter Type and ID Number(s) Hydrolab Surveyor 4a

Water Samples

Depth of Intergrated Water Sample 0-6 m or ft SLH Field Number Nags 1

Amount filtered for chlorophyll _____ mLs

Comments / Observations

39	50.4	51	59.1	63	52.4	78	34.0
42	56.2	54	58.3	66	48.2		
45	56.5	57	52.1	69	45.9		
48	58.6	60	50.0	72	46.4		

DNR BASELINE MONITORING

Lake Name Naugawick Date 8/18/09 Time 11:18 AM

Sample Location (e.g. deepest point in basin) Deep Spot @ 86 ft

WBIC _____ % Cloud Cover 40-10

Observers Payne Wind Speed 10-15 mph from West Direction
Bink

Field Measurements and Observations

Secchi Disk 22 25 (m or ft) Custer Color Strip Reading A1 A2

Algae Development - Not apparent _____ Site Depth 86 (m or ft)
Slight (just visible) _____
Moderate (quite noticeable) X pH at 1 meter 8.49
Heavy (very green) _____

90 sat

Profiles

Depth ft or m	DO mg/L	Temp oC	Cond µS	pH	Depth ft or m	DO mg/L	Temp oC	Cond µS	pH	Depth ft or m	DO mg/L	Temp oC	Cond µS	pH
115.0 3	9.58	24.48	758	8.49	39	2.3	11.58	784	6.08	21.3				
113.7 6	9.49	24.48	758	8.5	42	3.01	10.74	783	5.89	26.9				
113.7 9	9.37	24.48	758	8.52	45	3.65	9.22	785	5.69	30.9				
111 12	9.28	24.46	758	8.54	48	3.91	8.15	787	5.51	33.0				
112 15	9.3	24.44	758	8.57	51	4.01	8.01	787	8.48	34.0				
110.7 18	9.29	24.43	758	8.57										
110.2 21	9.23	24.39	760	8.56										
82.9 24	7.27	22.31	780	8.31										
49.4 27	4.45	19.81	784	7.71										
22.9 30	2.24	17.13	789	7.18										
16.6 33	1.66	14.95	786	6.73										
17.3 36	1.84	12.92	784	6.37										

Meter Type and ID Number(s) Hydrolab Svruga 49

Water Samples

Depth of Intergrated Water Sample 0-6 m or ft SLH Field Number Nass 1

Amount filtered for chlorophyll _____ mLs

Comments / Observations

Drifted Hydrolab angled due to current
Net bottom ~ 34

DNR BASELINE MONITORING

Lake Name Nagawicka Lake Date 9/11/09 Time 2:15 PM
 Sample Location (e.g. deepest point in basin) Deep Hole @ 90 ft
 WBIC _____ % Cloud Cover 20% pt cloudy, ptly sunny
 Observers Bink Wind Speed 5-10 mph from SE Direction
Mantia

Field Measurements and Observations

Secchi Disk 3.3 (m or ft) Custer Color Strip Reading A-2
2.5
 Algae Development - Not apparent _____ Site Depth 90 (m or ft)
 Slight (just visible) _____
 Moderate (quite noticeable) pH at 1 meter 7.99
 Heavy (very green) _____

Profiles

	Depth (ft or m)	DO mg/L	Temp oC	Cond µS	pH	Depth (ft or m)	DO mg/L	Temp oC	Cond µS	pH	Depth (ft or m)	DO mg/L	Temp oC	Cond µS	pH	σ _t sat
118.2	3	10.27	22.66	758	7.99	39	1.11	10.93	786	5.51	75	0.15	7.03	788	5.63	0.90
118.6	6	10.33	22.49	757	7.95	42	1.73	9.67	785	5.23	78	0.10	7.00	788	5.70	0.80
119.3	9	10.39	22.31	756	7.96	45	2.20	9.19	786	5.11	81	0.09	6.95	789	5.76	0.80
118.0	12	10.44	22.08	755	7.94	48	2.49	8.71	785	5.04	84	0.09	6.93	789	5.79	0.80
117.1	15	10.00	21.60	760	7.84	51	2.53	8.31	787	5.13	87	0.23	6.84	781	5.74	1.9
114.9	18	9.54	20.46	760	7.66	54	2.53	7.89	787	5.14	90					
97.0	21	8.94	20.21	765	7.59	57	2.39	7.54	787	5.13						
87.3	24	8.12	19.80	767	7.51	60	2.17	7.41	787	5.20						
76.4	27	7.19	19.50	768	7.43	63	1.83	7.20	786	5.26						
44.7	30	4.27	16.27	775	7.10	66	1.75	7.14	787	5.29						
19.4	33	2.12	16.57	783	6.69	69	0.33	7.11	788	5.47						
7.7	36	0.87	12.78	785	5.99	72	0.15	7.05	789	5.53						

Meter Type and ID Number(s) Hydrolab Surveyor 40

Water Samples

Depth of Intergrated Water Sample 0-6 m or ft SLH Field Number NAGS1
 Amount filtered for chlorophyll _____ mLs

σ_t sat Comments / Observations

σ _t sat	Comments / Observations
39 10.6	51 20.9
42 15.6	63 15.4
45 19.5	66 13.5
48 21.5	69 22.6
	72 11.7

Ambient

DNR BASELINE MONITORING

Lake Name Nagawick Date 03/19/01 Time 1:55 PM
 Sample Location (e.g., deepest point in basin) Deep Spot @ 931
 WBIC 0828000 % Cloud Cover/Precip 95% Dry
 Observers Fischer Wind Speed 5 mph from South Direction
Bank ice about 0.45 m thick

Field Measurements and Observations at drill site

Secchi Disk 2.3 (m or ft) Custer Color Strip Reading _____
 Algae Development – Not apparent X Site depth 93 (m or ft)
 Slight (just visible) _____
 Moderate (quite noticeable) _____ pH at 1 meter 7.73
 Heavy (very green) _____

Profiles

Depth ft or m	DO mg/L	Temp °C	Cond µS	Depth ft or m	DO mg/L	Temp °C	Cond µS	Depth ft or m	DO mg/L	Temp °C	Cond µS
1	14.83	1.34	473	30	11.58	2.21	664	60	8.48	2.34	691
3	15.92	2.29	642	33	11.53	2.23	667	63	8.30	2.06	710
6	16.90	2.54	652	36	11.66	2.27	667	66	8.17	2.0	718
9	16.51	2.53	652	39	11.09	2.23	670	69	8.14	1.99	725
12	16.33	2.55	653	42	11.21	2.26	672	72	8.04	2.04	725
15	15.90	2.51	654	45	11.60	2.29	673	75	7.54	2.14	727
18	16.00	2.52	654	48	10.77	2.75	674	78	7.37	2.20	731
21	14.81	2.50	656	51	10.74	2.24	679	81	6.43	2.26	736
24	12.48	2.31	662	54	10.22	2.19	684	84	5.51	2.48	742
27	11.75	2.29	664	57	10.49	2.24	685	87			

Meter Type and ID Number(s) HydroLab Surveyor 903

Water Samples

Depth of Integrated Water Sample _____ m or ft SLH Field Number NAGA 1
 Amount filtered for chlorophyll 800 mLs NAGA 2

Comments / Observations

TP2 - NAGA 2 TP1
 TP1 - NAGA 1

Nagawicka Lake
7-21-98

TEMP	pH	SpCOND	TDS	DO	DEPTH
26.58	8.36	587	0.376	8.13	1
26.59	8.37	588	0.376	8.11	5
26.57	8.37	587	0.376	8.16	10
26.56	8.37	588	0.376	8.11	15
24.77	8.3	600	0.384	6.46	20
19.21	8.2	626	0.401	5.84	25
11.8	8.1	625	0.4	4.35	30
9.96	8.05	623	0.399	4.08	35
8.87	8.01	622	0.398	4.05	40
7.84	8.01	620	0.397	4.12	45
7.55	7.98	621	0.397	3.83	50
7.33	7.94	620	0.397	3.31	55
7.17	7.89	621	0.397	2.32	60
7.11	7.85	622	0.398	1.64	65
7.02	7.81	622	0.398	0.81	70
6.94	7.79	623	0.399	0.39	75
6.85	7.77	624	0.399	0.18	80
6.77	7.75	626	0.401	0.14	85
6.75	7.73	627	0.401	0.13	90

Annotat Time	ion at Temp deg C	pH units	SpCond uS/cm	Salin ppt	DO % Sat	DO mg/l	Redox mV	Depth feet	Turb NTU	Batt volts
150239	2.39	7.79	640	0.3	124.3	16.91	N/A	1.4	N/A	14.88
150641	2.54	7.99	652	0.3	123.6	16.74	N/A	3.3	N/A	14.88
150735	2.53	8.02	651	0.3	120.9	16.37	N/A	6.6	N/A	14.78
150843	2.53	8.03	654	0.3	120.8	16.37	N/A	9.2	N/A	14.78
150939	2.55	8.03	652	0.3	117.8	15.95	N/A	12.5	N/A	14.78
151041	2.52	8.03	654	0.3	117.1	15.87	N/A	15.8	N/A	14.78
151248	2.48	8.03	657	0.3	109.8	14.89	N/A	18.5	N/A	14.78
151421	2.29	7.95	662	0.3	91.2	12.44	N/A	21.8	N/A	14.78
151735	2.29	7.87	664	0.3	85	11.6	N/A	27.6	N/A	14.78
151842	2.24	7.84	667	0.3	84.5	11.53	N/A	30.9	N/A	14.68
151943	2.27	7.83	667	0.3	85.8	11.71	N/A	33.4	N/A	14.78
152219	2.23	7.79	672	0.3	81.2	11.09	N/A	36.7	N/A	14.78
152408	2.27	7.78	671	0.3	82.1	11.21	N/A	39.2	N/A	14.78
152629	2.28	7.79	671	0.3	85.2	11.62	N/A	42.6	N/A	14.78
152853	2.19	7.77	677	0.3	78.6	10.74	N/A	45.8	N/A	14.78
153003	2.25	7.74	679	0.3	78.7	10.75	N/A	48.5	N/A	14.78
153126	2.21	7.72	684	0.4	74.7	10.21	N/A	51.6	N/A	14.68
153310	2.26	7.71	685	0.4	77	10.51	N/A	54.3	N/A	14.78
153520	2.28	7.67	695	0.4	62	8.45	N/A	57.7	N/A	14.78
153633	2.09	7.63	713	0.4	60.4	8.27	N/A	61.2	N/A	14.68
153727	2.02	7.61	718	0.4	59.5	8.17	N/A	63.5	N/A	14.68
153824	1.99	7.59	724	0.4	59.2	8.14	N/A	66.9	N/A	14.68

Date 6-22-98	
Lake DAG	Time 1100
County	Lake Acreage
Storet Number	Maximum Depth
Water Body Number	Air Temperature
Station Location	

Light Penetration Station	Secchi Disc Depth in Meters 3.6 m
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Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	Color	Turb	Depth	D.O.	Temp.	pH	Color	Turb
	0	7.9	24.3	8.5	609	.390	50	6.2	7.5	8.25	615	.394
	5						55	5.8	7.2	8.2	615	.394
	10	8.0	23.7	8.5	609	.390	60	4.9	7.1	8.1	616	.394
	15	8.2	22.6	8.5	611	.391	65	4.3	7.0	8.1	616	.395
*	20	8.1	18.9	8.5	615	.393	70	3.4	7.0	8.0	617	.395
	25	7.3	16.4	8.5	618	.395	75	2.8	6.9	8.0	618	.396
	30	6.3	12.7	8.3	618	.396	80	2.5	6.9	7.9	619	.396
	35	6.6	9.5	8.3	614	.393	85	1.9	6.8	7.9	618	.398
	40	6.6	8.2	8.3	613	.392	90	0.4	6.7	7.8	621	
	45	6.5	7.8	8.3	613	.393						

Wind Speed and Direction	Cloud Cover 20%
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Macrophyte Sampling Information

Additional Comments or Remarks

Nagawicka Lake
3/30/98

TEMP.	pH	SpCond	TDS	DO	Depth
6.71	7.95	617	0.395	13.74	1
6.58	7.97	618	0.395	13.8	5
6.47	7.97	620	0.397	13.81	10
6.46	7.97	617	0.395	13.87	15
5.93	7.97	615	0.394	13.94	20
5.63	7.98	618	0.396	14.14	25
5.12	7.97	620	0.397	14.26	30
4.98	7.97	618	0.396	14.35	35
4.98	7.96	618	0.395	14.26	40
4.93	7.96	619	0.396	14.36	45
4.89	7.96	618	0.395	14.4	50
4.77	7.95	617	0.395	14.38	55
4.75	7.95	617	0.395	14.45	60
4.6	7.95	617	0.395	14.5	65
4.57	7.95	617	0.395	14.53	70
4.55	7.95	617	0.395	14.53	75
4.5	7.95	617	0.395	14.49	80

SECCHI DEPTH = 1.6 m

Date <i>3/30/98</i>	
Lake <i>NAG</i>	Time <i>10:30</i>
County	Lake Acreage
Storet Number	Maximum Depth
Water Body Number	Air Temperature

Station Location

Light Penetration Station	Secchi Disc Depth in Meters <i>1.6 m</i>
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Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	TDS	Depth	D.O.	Temp.	pH	COND	TDS
	0	13.7	6.7	7.9	617	.395	50	14.4	4.9	8.0	618	.395
	5	13.8	6.6	8.0	618	.395	55	14.4	4.8	7.9	617	.395
	10	13.8	6.5	8.0	620	.397	60	14.4	4.7	7.9	617	.395
	15	13.9	6.5	8.0	617	.395	65	14.5	4.6	7.9	617	.395
	20	13.9	5.9	8.0	615	.394	70	14.5	4.6	7.9	617	.395
	25	14.1	5.6	8.0	618	.396	75	14.5	4.5	7.9	617	.395
	30	14.3	5.1	8.0	620	.397	80	14.5	4.5	7.9	617	.395
	35	14.3	5.0	8.0	618	.396						
	40	14.3	5.0	8.0	618	.395						
	45	14.4	4.9	8.0	619	.396						

Wind Speed and Direction <i>W 5-15</i>	Cloud Cover <i>100%</i>
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Macrophyte Sampling Information

Additional Comments or Remarks

Date 9/9/97	
Lake DAGIMWICKA	Time
County	Lake Acreage
Storet Number	Maximum Depth
Water Body Number	Air Temperature
Station Location	

Light Penetration Station	Secchi Disc Depth in Meters 2.9
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Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	Depth	D.O.	Temp.	pH	COND
	0	8.6	20.4	8.1	626	50	0.1	9.9	7.5	675
	5	8.5	20.2	8.1	627	55	0.1	9.6	7.4	677
	10	8.6	20.2	8.1	627	60	0.1	9.2	7.4	676
	15	8.5	20.1	8.1	627	65	0.1	9.0	7.4	680
	20	8.0	20.0	8.1	630	70	0.1	8.9	7.4	680
	25	6.8	19.6	8.0	635	75	0.1	8.8	7.4	682
	30	1.4	17.2	7.6	660	80	0.1	8.7	7.4	682
*	35	0.6	13.3	7.5	684	85	0.1	8.6	7.4	685
	40	0.1	11.4	7.5	680	90	0.1	8.5	7.4	685
	45	0.1	10.6	7.5	684					

Wind Speed and Direction	Cloud Cover 100%
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Macrophyte Sampling Information

Additional Comments or Remarks

Date 7-31-97	
Lake N. Abasco Lake	Time 1330
County	Lake Acreage
Storet Number	Maximum Depth
Water Body Number	Air Temperature
Station Location	

Light Penetration Station	Secchi Disc Depth in Meters 3.2m
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Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	Cond	TDS	Depth	D.O.	Temp.	pH	Cond	TDS
	0	8.5	25.4	8.3	644	.412	50	1.7	9.9	7.8	693	.443
	5	8.4	25.2	8.3	642	.411	55	1.1	9.5	7.7	693	.443
	10	8.2	24.6	8.3	643	.411	60	0.3	9.3	7.7	693	.444
	15	7.9	24.2	8.3	645	.413	65	0.1	9.1	7.7	694	.444
	20	6.5	23.1	8.2	657	.420	70	0.1	8.9	7.7	695	.445
*	25	4.2	18.1	8.0	673	.431	75	0.1	8.8	7.7	696	.446
	30	3.8	14.1	7.9	696	.446	80	0.1	8.7	7.7	697	.446
	35	3.8	11.8	7.9	695	.445	85	0.1	8.7	7.7	697	.446
	40	3.4	11.0	7.9	693	.444	90	0.1	8.6	7.7	698	.447
	45	3.1	10.3	7.9	693	.444						

Wind Speed and Direction	Cloud Cover 0%
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Macrophyte Sampling Information

Additional Comments or Remarks

Date	7/2/97
Lake	NAGAWICKA
Time	1050
County	
Storet Number	
Water Body Number	
Station Location	

Light Penetration Station	Secchi Disc Depth in Meters
	2.6 m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND		Depth	D.O.	Temp.	pH	TDS	
					COND	TDS					COND	TDS
	0	7.8	25.6	8.1	617	395	50	6.5	9.9	7.9	688	440
	5	7.7	25.6	8.1	617	395		6.0	9.6	7.9	689	441
	10	7.7	25.6	8.1	617	375	60	5.3	9.4	7.9	689	441
	15	7.7	25.5	8.1	620	396		4.2	9.1	7.8	691	442
*	20	7.4	20.5	8.1	672	430	70	3.1	8.8	7.2	692	443
		7.5	15.0	8.0	674	444		2.8	8.8	7.7	692	443
	30	7.4	12.8	8.0	692	443	80	2.6	8.8	7.7	693	444
		7.3	12.3	8.0	691	442		0.6	8.5	7.6	695	445
	40	7.0	11.9	8.0	691	442	90	0.3	8.4	7.6	695	445
		6.6	11.0	7.9	690	441						

Wind Speed and Direction	WSW 10-15	Cloud Cover	0%
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Macrophyte Sampling Information

Additional Comments or Remarks

Date	4/28/97
Lake	Nogewick
Time	12:35
County	Waukesha
Storet Number	
Water Body Number	
Station Location	Deep Hole
Maximum Depth	90'
Air Temperature	60°F

Light Penetration Station	Secchi Disc Depth in Meters
	2.5 m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit (ft./m)	Depth	D.O.	Temp.	pH	Cond	705	Depth	D.O.	Temp.	pH	Cond	705
	0	13.08	9.43	8.49	678	.434	50	11.18	5.50	8.31	678	.434
	5	13.04	9.36	8.50	678	.434	55	11.20	5.48	8.31	678	.434
	10	13.03	9.38	8.50	678	.434	60	11.18	5.46	8.31	678	.434
	15	12.12	8.64	8.50	677	.434	65	11.07	5.39	8.30	678	.434
	20	12.21	8.20	8.48	678	.434	70	11.04	5.35	8.31	678	.434
	25	12.86	7.79	8.46	678	.434	75	10.91	5.28	8.29	678	.434
	30	12.03	6.47	8.39	678	.434	80	10.72	5.28	8.28	679	.434
	35	11.66	5.99	8.35	678	.434	85	10.22	5.22	8.24	681	.434
	40	11.42	5.80	8.33	678	.434	90	9.71	5.19	8.20	682	.436
	45	11.27	5.54	8.32	678	.434						

Wind Speed and Direction	Cloud Cover
W 15-30	25%

Macrophyte Sampling Information

Additional Comments or Remarks

Date	3/5/97
Lake	NAGAWICKA
Time	12:30
County	
Lake Acreage	
Storet Number	
Maximum Depth	
Water Body Number	
Air Temperature	
Station Location	

Light Penetration Station	Secchi Disc Depth in Meters
	3.7

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	TDS	Depth	D.O.	Temp.	pH	COND	TDS
	1	12.5	1.2	7.8	361		50					
	5	12.6	1.9	7.9	613	.392	* 55	11.2	1.8	7.7	649	.416
	10	12.5	1.9	7.9	634	.406	60					
	15	12.5	1.9	7.9	634	.406	65	9.3	1.7	7.5	674	.431
	20		1.9	7.9			70					
	25	12.5	1.9	7.9	634	.406	75	8.8	1.5	7.4	716	.450
	30						80					
	35	12.4	1.9	7.9	635	.406	85	4.2	2.0	7.2	731	.468
	40						90					
	45	12.0	1.8	7.8	642	.411	95					

Wind Speed and Direction	Cloud Cover
	100%

Macrophyte Sampling Information

Additional Comments or Remarks

Nagawicka Lake
9/4/96

	Temp	pH	SpCond	TDS	DO	Depth
112105	25	8.2	632	0.404	9.53	0
112242	24.45	8.09	632	0.405	9.52	5
112343	24.1	8.03	632	0.404	9.36	10
112505	23.46	7.97	634	0.406	8.68	15
112624	22.45	7.9	651	0.417	6.27	20
112800	19.2	7.64	671	0.429	1.37	25
112927	12.55	7.6	678	0.434	0.5	30
113113	10.91	7.67	680	0.435	0.81	35
113306	9.67	7.65	678	0.434	1.11	40
113431	8.71	7.63	680	0.435	0.81	45
113606	8.13	7.61	678	0.434	0.33	50
113726	7.92	7.6	678	0.434	0.1	55
113826	7.82	7.58	678	0.434	0.1	60
113930	7.73	7.57	681	0.436	0.09	65
114038	7.62	7.56	681	0.436	0.09	70
114149	7.56	7.55	682	0.437	0.09	75
114258	7.46	7.54	684	0.438	0.08	80
114345	7.47	7.54	684	0.438	0.09	85
114453	7.4	7.54	687	0.44	0.08	90

NABUAGICKA

Z	T °C	D.O	CO ₂	pH	TDS	Secchi Depth		7-23-96 11:00
0	22.9	8.7	644	8.0	.412	2.6m		
5	22.6	8.6	644	8.0	.412			
10	22.3	8.5	643	8.0	.411			
15	22.2	8.3	643	8.0	.412			
20	21.5	7.6	650	7.9	.416			
* 25	15.5	6.7	666	7.8	.426			
30	12.2	5.5	675	7.7	.432			
35	10.4	4.8	674	7.6	.431			
40	9.3	4.9	674	7.5	.432			
45	8.7	4.6	674	7.5	.431			
50	8.2	4.6	674	7.5	.431			
55	8.0	3.6	673	7.4	.431			
60	7.8	2.5	674	7.4	.431			
65	7.7	1.1	674	7.3	.432			
70	7.7	0.7	675	7.3	.433			
75	7.5	0.3	675	7.3	.433			
80	7.5	0.1	678	7.2	.434			
85	7.4	0.1	679	7.2	.435			
90	7.4	0.1	681	7.2	.436			
94	7.3	0.1	682	7.2	.436			

Date	6/25/96
Lake	NAGAWICKA
Time	1020
County	
Storet Number	
Water Body Number	
Station Location	

Light Penetration Station	Secchi Disc Depth in Meters
	5.1 m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	Cond	TDS	Depth	D.O.	Temp.	pH	Cond	TDS
	0	7.9	21.1	8.0	562	.366	50	6.0	8.3	7.8	589	.377
		7.9	20.9	8.0	562	.360		6.1	7.9	7.7	588	.377
	10	7.8	20.6	8.0	561	.359	60	5.8	7.8	7.7	589	.377
		7.8	20.3	8.0	568	.360		5.1	7.7	7.7	590	.378
*	20	8.0	16.4	8.0	575	.368	70	4.6	7.7	7.6	591	.378
		7.3	14.1	8.0	582	.372		4.0	7.6	7.6	592	.379
	30	7.0	12.0	7.9	590	.378	80	3.1	7.5	7.6	594	.380
		7.1	10.5	7.9	589	.377		3.0	7.4	7.5	593	.380
	40	7.4	9.4	7.8	587	.376	90	1.6	7.3	7.5	596	.381
		6.9	8.8	7.8	588	.377						

Wind Speed and Direction	CALM	Cloud Cover	10%
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Macrophyte Sampling Information

8-2-96

20-00

1-2 00412

Additional Comments or Remarks

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Date 4-17-96	
Lake NAGAWANNA	Time 11:30
County	Lake Acreage
Storet Number	Maximum Depth
Water Body Number	Air Temperature
Station Location	

Light Penetration Station	Secchi Disc Depth in Meters 4.8
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Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	TDS	Depth	D.O.	Temp.	pH	COND	TDS
	1	12.3	5.1	8.0	581	.372	50	12.2	4.9	8.0	581	.372
	10	12.2	5.0	8.0	"	"	60	12.1	4.9	8.0	"	"
	20	12.2	5.1	8.0	"	"	70	12.1	4.9	8.0	"	"
	30	12.2	5.0	8.0	"	"	80	12.1	4.9	8.0	"	"
	40	12.2	4.9	8.0	"	"	90	12.1	4.9	8.0	"	"

Wind Speed and Direction SSW 7-15	Cloud Cover 0%
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Macrophyte Sampling Information

Additional Comments or Remarks

Nagawicka Lake, Waukesha Co.

Sample Date: 2/21/96

Secchi Depth 10.7 m

	Temp.	pH	SpCond	TDS	DO	Depth
115840	2.11	8.11	0.573	0.367	12.69	2
120012	2.29	8.1	0.582	0.373	12.54	10
120253	2.28	8.11	0.583	0.373	12.53	20
120420	2.31	8.12	0.583	0.373	12.66	30 *
120611	2.18	8.06	0.589	0.377	11.98	40
120916	1.9	7.88	0.604	0.387	9.88	50
121052	1.82	7.85	0.617	0.395	9.87	60
121208	1.72	7.81	0.648	0.415	10.15	70
121448	1.88	7.7	0.678	0.434	8.49	80
121644	2.7	7.51	0.688	0.44	0.35	90

Date	8-22-95
Lake	NAGAWICKA
Time	12:15
County	
Storet Number	
Water Body Number	
Maximum Depth	
Air Temperature	85°

Station Location

Light Penetration Station	Secchi Disc Depth in Meters
	4.0 m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	TDS	Depth	D.O.	Temp.	pH	COND	TDS
	0	8.4	26.8	7.5	530	.339	50	0.0	8.2	7.4	607	.388
	5	8.3	26.8	7.7	529	.339	55	0.0	7.4	7.4	608	.389
	10	8.4	26.4	7.7	530	.339	60	0.0	7.1	7.3	610	.390
	15	8.4	26.2	8.0	530	.339	65	0.0	7.0	7.3	609	.390
	20	5.7	24.6	7.7	551	.353	70	0.0	6.9	7.3	611	.391
	25	3.3	20.2	7.7	586	.375	75	0.0	6.8	7.3	612	.392
*	30	1.5	15.6	7.6	602	.385	80	0.0	6.8	7.3	614	.392
	35	0.4	11.6	7.5	606	.388	85	0.0	6.6	7.3	615	.394
	40	0.6	9.6	7.5	606	.388	90					
	45	0.4	8.9	7.4	607	.358						

Wind Speed and Direction	Calm	Cloud Cover	0%
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Macrophyte Sampling Information

Additional Comments or Remarks

	Date 7-26/95
Lake NAGAWICKA LK	Time 1130
County	Lake Acreage
Storet Number	Maximum Depth
Water Body Number	Air Temperature

Station Location

Light Penetration Station	Secchi Disc Depth in Meters 3.5 m
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Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	TDS	Depth	D.O.	Temp.	pH		
	0	8.3	26.4	8.2	571	.365	50	2.5	7.7	7.8	613	.393
	5	8.2	26.2	8.2	571	.366	55	2.7	7.3	7.8	613	.392
	10	8.1	25.8	8.3	572	.366	60	1.2	7.1	7.7	615	.394
	15	8.1	25.1	8.2	577	.370	65	0.5	6.9	7.2	616	.394
	20	6.6	22.5	8.1	589	.378	70	0.1	6.9	7.2	618	.395
*	25	5.3	17.9	8.1	601	.385	75	0.0	6.8	7.7	618	.396
	30	4.0	14.8	8.0	610	.390	80	0.0	6.7	7.7	619	.396
	35	4.2	10.7	8.0	612	.392	85	0.0	6.5	7.6	622	.398
	40	4.0	9.4	7.9	613	.392	90					
	45	3.2	8.4	7.9	613	.393						

Wind Speed and Direction	Cloud Cover 30%
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Macrophyte Sampling Information

Additional Comments or Remarks

	Date 6-21-95
Lake Nagawick A LK	Time 9:55
County	Lake Acreage
Storet Number	Maximum Depth 85'
Water Body Number	Air Temperature

Station Location

Light Penetration Station	Secchi Disc Depth in Meters 4.5 m
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Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	Cond	TDS	Depth	D.O.	Temp.	pH	Cond	TDS
	0	9.9	22.2	7.00	611	.391	50	5.2	7.5	7.8	638	.409
	5	7.6	22.1	7	612	.392	55	4.7	7.4	7.8	639	.409
	10	7.5	22.2	7	612	.392	60	4.4	6.9	7.7	639	.410
	15	7.5	22.1	7.9	612	.392	65	2.8	6.7	7.7	642	.411
	20	7.2	21.8	7.8	613	.396	70	1.9	6.7	7.6	643	.411
*	25	6.4	16.2	7.6	628	.401	75	1.4	6.7	7.6	644	.412
	30	5.7	13.	7.5	634	.405	80	1.0	6.6	7.6	644	.412
	35	5.9	11.1	7.9	636	.408	85	.1	6.5	7.5	649	.415
	40	3.7	9.2	7.9	637	.408	90					
	45	5.7	8.	7.8	638	.408						

Wind Speed and Direction	Cloud Cover 100%
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Macrophyte Sampling Information

Additional Comments or Remarks

Nagawika

Lake	Date
County	Time
Storet Number	Lake Acreage
Water Body Number	Maximum Depth
Station Location	Air Temperature

Light Penetration Station	Secchi Disc Depth in Meters
	4.6

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	S. Cond		Depth	D.O.	Temp.	pH
					TD	DS				
	0	12.58	3.64	8.17	0.672	0.430				
	10	12.53	3.61	8.17	0.672	0.430				
	20	12.49	3.60	8.19	0.672	0.430				
	30	12.46	3.58	8.19	0.671	0.430				
	40	12.44	3.56	8.19	0.672	0.430				
	50	12.44	3.56	8.20	0.672	0.430				
	60	12.42	3.56	8.20	0.671	0.430				
	70	12.4	3.6	8.2	0.672	0.430				
	80	12.3	3.6	8.2	0.673	0.431				
	90	11.8	3.6	8.2	0.677	0.433				

Wind Speed and Direction	Cloud Cover
NNE - 5-15	100%

Macrophyte Sampling Information

Additional Comments or Remarks

Date 2-20-95	
Lake DAGAWICK A	Time
County	Lake Acreage
Storet Number	Maximum Depth
Water Body Number	Air Temperature
Station Location	

Light Penetration Station	Secchi Disc Depth in Meters 6.5
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Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	Cond	TDS	Depth	D.O.	Temp.	pH	Cond	TDS
	0	14.9	1.2	8.1	.677	.433	50	14.2	1.3	8.2	.687	.440
	5	14.7	1.3	8.1	.674	.433	55	14.3	1.3	8.2	.690	.442
	10	14.7	1.3	8.2	.677	.433	60	14.4	1.3	8.2	.693	.444
	15	14.6	1.3	8.2	.678	.434	65	14.2	1.4	8.1	.696	.446
	20	14.6	1.3	8.2	.679	.434	70	9.2	1.5	7.7	.716	.458
	25	14.6	1.3	8.2	.679	.435	75					
	30	14.6	1.3	8.2	.679	.435	80					
	35	14.6	1.3	8.2	.680	.435	85					
	40	14.6	1.3	8.2	.680	.435	90					
	45	14.5	1.3	8.2	.680	.435						

Wind Speed and Direction	Cloud Cover 100%
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Macrophyte Sampling Information

Additional Comments or Remarks

Date	9/7/94
Lake	Nagaweka
Time	1136 - 1201
County	Waikanae
Storet Number	_____
Water Body Number	_____
Station Location	_____

Light Penetration Station	Secchi Disc Depth in Meters
	2.5m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C) *HydroLab* samples taken 0, 30 + 90ft

Unit ft./m	Depth	D.O.	Temp.	pH	COND	Depth	D.O.	Temp.	pH	COND
	0	8.03	19.91	8.07	0.660	50	0.03	9.21	7.46	0.704
	5	7.94	19.87	8.08	0.633	55	0.02	8.72	7.45	0.703
	10	7.69	19.68	8.09	0.633	60	0.01	8.39	7.44	0.704
	15	7.56	19.48	8.08	0.634	65	0.01	8.24	7.42	0.706
	20	7.49	19.45	8.08	0.634	70	0.0	8.14	7.40	0.707
	25	7.07	19.43	8.08	0.634	75	0.0	8.04	7.39	0.709
	30	3.80	18.35	7.81	0.656	80	0.0	7.94	7.39	0.710
	35	0.11	17.77	7.50	0.696	85	0.0	7.87	7.38	0.711
	40	0.04	16.42	7.49	0.704	90	0.0	7.81	7.37	0.712
	45	0.03	9.82	7.47	0.703					

Wind Speed and Direction	W 8-10	Cloud Cover	090
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Macrophyte Sampling Information

Additional Comments or Remarks

Date	4-19-94
Lake	NAGAWICKA LK
Time	11:00
County	
Storet Number	
Water Body Number	
Station Location	

Light Penetration Station	Secchi Disc Depth in Meters
	2.5

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH
	0	11.6	7.0 8.2	
	5	11.4	6.9 8.1	
	10	11.3	6.9 8.1	
	15	11.3	6.8 8.0	
	20	11.3	6.5 7.7	
	25	11.3	6.4 7.6	
	30	11.3	6.2 7.4	
	35	11.3	6.2 7.4	
	40	11.3	6.2 7.4	
	45	11.3	6.2 7.4	

Depth	D.O.	Temp.	pH
50	11.3	6.2 7.4	
55	11.2	6.0 7.2	
60	11.2	5.8 7.0	
65	11.2	5.8 7.0	
70	11.2	5.6 6.8	
75	11.0	5.6 6.8	
80	10.9	5.6 6.8	
85	10.9	5.6 6.8	
90	10.9	5.6 6.8	

Wind Speed and Direction	Cloud Cover
NW 15-25 mph	0%

Macrophyte Sampling Information

Additional Comments or Remarks

Date		2-22-94	
Lake	NAGAWICKA LAKE		
County	WAUKESHA Co.		
Storet Number	6 8 3 1 2 9		
Water Body Number	0 8 2 8 0 0 0		
Lake Acreage		917	
Maximum Depth		90 Ft.	
Air Temperature			
Station Location Maximum depth			

Light Penetration Station	Secchi Disc Depth in Meters
	0.5

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH		Depth	D.O.	Temp.	pH	
	0	12.5	1.1	8.1	316	50	12.8	1.3		
	5	14.2	2.1			55	12.5	2.4		
	10	14.2	2.2		*	60	11.6	2.4	7.9	396
	15	14.1	2.3			65	10.9	2.5		
	20	14.0	2.3			70	9.1	2.3		
	25	13.8	2.3			75	9.5	2.3		
	30	13.7	2.3			80	8.8	2.4		
	35	13.6	2.2			85	5.9	2.7		
	40	13.4	2.2			90	2.9	3.0	7.9	429
	45	13.2	2.2							

Wind Speed and Direction	Cloud Cover
	100

Macrophyte Sampling Information

Additional Comments or Remarks

LORAN GPS
43 04.19
88 23.14
88 23.12

ave Creel Clerk
side on water
on early Turn to
account of Fish
taken

Harvesting

Bill Beaman

5, 10, fall no harvest

8/24/53

Nagawicka Lake

Depth	Do	Temp
0	8.0	23.5
5	7.9	23.4
10	8.0	23.3
15	7.9	23.3
20	7.9	23.0
25	3.2	19.2
30	0.98	15.9
35	1.70	10.1
40	2.24	8.1
45	2.3	7.4
50	2.2	6.9
55	1.80	6.3
60	1.50	6.0
65	0.62	5.8
70	0.51	5.8
75	0.51	5.6
80	0.50	5.6
85	0.25	5.5

12:00
8-23-93
WIND SW 15-20
T°

NAGAWICKA LK

Z	DO	T°	pH	COND	SECCHI				
0	8.4 8.3	23.3 23.3	8.34	637	4.6				
10	8.3 8.1	23.3 23.3							
20									
30			7.98	647					
40									
50									
60									
76									
80									
90			7.94	647					
DO PROBE STROES									

LAKE NAGAWICKA 11:45 OVERCAST NE @ 5MPH 7-14-93

	TEMP °C	D.O.	PH	COND.	SECCHI				
					3.3M				
0	22.7	8.5	8.5	610					
5	22.7	8.4							
10	22.6	8.3							
15	22.4	8.2							
20	20.5	6.2							
25	17.1	5.6							
* 30	12.2	5.2	8.1	647					
35	9.1	5.3							
40	7.8	5.5							
45	6.6	5.5							
50	6.1	4.8							
55	5.8	4.6							
60	5.5	3.6							
65	5.3	3.4							
70	5.2	3.3							
75	5.2	3.4							
80	5.1	2.8							
85	5.1	1.6							
90	5.0	0.4	7.8	648					

WIND SW 5-10
TEMP - 75°
10:45
6-17-93

NAGAWICKA LK

Z	D.O	T°C	pH	COND	Secchi
0	9.4	18.7	8.4	625	4.0m
5	9.4	18.5			
10	9.4	18.4			
15	9.3	18.2			
20	9.3	18.2			
25	8.2	14.2			
30	8.0	12.6			
⊗ 35	8.0	7.8	7.9	1038	
40	8.3	7.1			
45	8.6	6.0			
50	8.0	5.8			
55	7.7	5.5			
60	7.9	5.3			
65	6.6	5.1			
70	6.3	5.0			
75	6.1	5.0			
80	5.2	5.0			
85	4.8	5.0			
90	2.0	4.9	8.0	656	

5-6-93

MT - WAKENAN

12:30 pm

WAKENAN LK	DEPTH	D.O.	TEMP.	SECCHI	pH	TURB	COND.
	Surf 1	11.7	15.75	4.5	8.3	Surf?	525
	5	13.6	11.8		8.2	Bot →	579
	10	12.8	11.2				
	15	13.1	9.0				
	20	12.8	8.0				
	25	12.6	7.1				
	30	12.4	6.6				
	35	12.0	6.0				
	40	12.0	5.5				
	45	11.8	5.5				
	50	11.9	5.3				
	55	11.6	5.1				
	60	11.4	5.0				
	65	11.4	5.0				
	70	11.4	5.0				
	75	11.3	5.0				
	80	11.2	5.0				
	85	11.1	4.9				
	90	11.0	4.9				

Date		10:30 2-17-93	
Lake	NAGAWICKA LAKE		
County	WAUKESHA Co.		
Storet Number	6 8 3 1 2 9		
Water Body Number	0 8 2 8 0 0 0		
Time	10:30		
Lake Acreage	917		
Maximum Depth	90 Ft.		
Air Temperature	5°		
Station Location	Maximum depth		

Light Penetration Station	Secchi Disc Depth in Meters
	7.7

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	Depth	D.O.	Temp.	pH	COND
	0	12.0	7.20	8.3	357	50	9.9	+1.0		
	5	12.4	+0.60			55	9.7	1.0		
	10	11.4	+0.5			60	9.6	1.0		
10.0	15	10.2	+0.8			65	8.0	1.0		
	20	10.0	+0.9			70	7.8	0.9		
*	30	9.1	+0.9	8.3	369	75	0	0.9	8.1	389
	35	9.6	+0.9							
	40	9.5	+0.9							
10.1	45	9.0	+0.9							

Wind Speed and Direction	Cloud Cover
NW 20-25	0%

Macrophyte Sampling Information

Ice 14" Snow ≥ 1" 100% Cover

Additional Comments or Remarks

D.O. PROFILE UNRELIABLE BAD MEMBRANE

Nagawicka Lake

Sept 1, 92

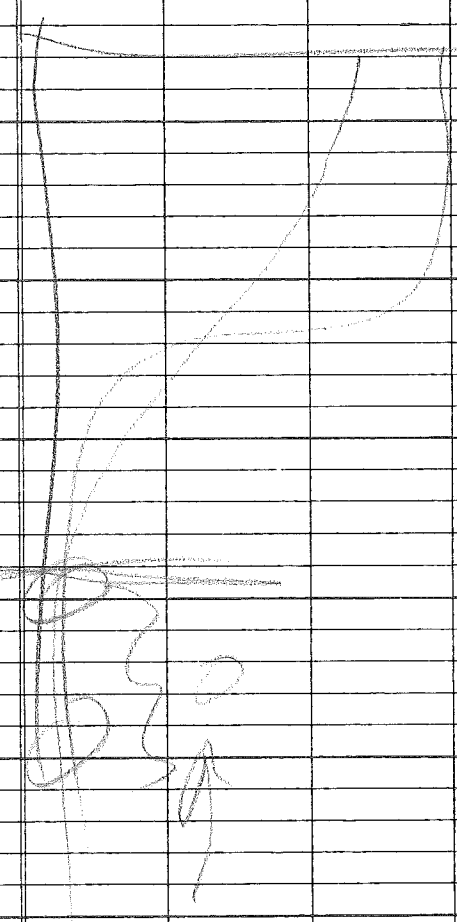
Z	DO	Temp	Cond	pH	SECCHI DISK 4.1
0	8.2	15.3	560	7.7	
5	8.1	15.3			WEATHER - SUNNY 75° WIND 0-3 mph
10	8.1	15.2			
15	8.1	15.2			
20	8.1	15.1			10:15
25	7.9	15.0			
30	3.4	11.3			
35	3.0	6.9	1000	7.6	
40	3.0	5.1			
45	2.8	4.6			
50	2.2	4.0			
55	1.3	3.5			
60	1.0	3.1			
65	1.0	3.0			
70	1.0	3.0			
75	0.8	3.0			
80	0.8	2.8			
85	0.7	2.8			
90	0.7	2.8			
95	0.7	2.8	600	7.7	

KETTLE - FORCE 85
MERC 115
I/O MERC 120
I/O ? RED COVER

10140
17-16-92

NAGIAWICKA LF

Z	D.O	T °C	pH	COND	SECCHI
					2.0
0	10.7	17.1	8.3	550	
5	10.6	17.1			
10	10.7	16.8			
15	10.5	16.5			
20	9.8	15.5			
25	8.8	10.6			
30	8.6	6.5			
35	8.4	5.5			
40	7.3	4.1			
45	7.3	3.8			
50	6.0	3.2			
* 55	4.6	3.0	8.0	610	
60	3.6	3.0			
65	2.8	2.9			
70	1.8	2.8			
75	1.0	2.8			
80	0.8	2.8			
85	0.8	2.8	7.9	600	
90					



Date 15 June 92	
Lake NAGAWICKA LAKE	Time 11:30 - 11:50
County WAUKESHA Co.	Lake Acreage 917
Storet Number 6 8 3 1 2 9	Maximum Depth 90 Ft.
Water Body Number 0 8 2 8 0 0 0	Air Temperature
Station Location Maximum depth	

Light Penetration Station	Secchi Disc Depth in Meters 2.7 m
---------------------------	--------------------------------------

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit
ft./m

Depth	D.O.	Temp.	pH
0	12.1	17.7	7.1
5	11.4	17.7	
10	11.2	17.7	
15	11.9	15.9	7.3
20	12.3	12.2	
25	8.8	12.1	
30	6.9	11.6	
35	5.0	11.9	
40	4.5	11.6	
45	4.0	11.4	

Depth	D.O.	Temp.	pH
50	3.2	11.1	
55	3.0	10.3	
60	2.9	9.9	
65	2.7	8.8	
70	2.5	8.8	
75	2.3	7.8	
80	2.3	6.5	
85	2.1	5.5	
90	2.1	5.2	7.7

Wind Speed and Direction East 15-20	Cloud Cover 100% w/night cum
--	---------------------------------

Macrophyte Sampling Information

Additional Comments or Remarks

DO meter would not calibrated correction factor
 Meter 10.3
 Calibrated 9.5
 - 1.8

Cond Model 32 - 0.540 mU Surface 600
 0.490 mU 15 Ft 610
 0.543 20 Ft 615

model 33 umbos

Date		4-13-92	
Lake	NAGAWICKA LAKE		
County	WAUKESHA Co.		
Storet Number	6 8 3 1 2 9		
Water Body Number	0 8 2 8 0 0 0		
Station Location	Maximum depth		

Time	11:00
Lake Acreage	917
Maximum Depth	90 Ft.
Air Temperature	

Light Penetration Station	Secchi Disc Depth in Meters
	4.5m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	Depth	D.O.	Temp.	pH	COND
	0	14.4	1.6	8.3	500	50	13.9	1.5		
	5	14.2	1.6			55	13.9	1.5		
	10	14.2	1.6			60	13.9	1.5		
	15	14.1	1.6			65	13.9	1.6		
	20	14.0	1.6			70	13.9	1.6		
	25	14.0	1.5			75	13.9	1.6		
	30	14.0	1.5			80	13.9	1.6		
	35	14.0	1.5			85	13.5	1.6	8.3	500
	40	14.0	1.5			90				
	45	13.9	1.5							

Wind Speed and Direction	Cloud Cover
	100%

Macrophyte Sampling Information

Additional Comments or Remarks

NAGAWICKA LK

6-18-91

10:00

Z	D.O	T°	pH	COND	U.l.m	Secchi				
0	8.0	24.3	7.6	610						
5	7.8	23.0								
10	7.7	22.2								
15	7.8	21.1								
20	7.9	15.1								
*25	10.6	11.2	7.6	610						
30	8.5	7.2								
35	7.6	8.5								
40	7.3	8.2								
45	5.9	7.6								
50	5.7	7.0								
55	5.7	6.2								
60	5.3	6.0								
65	4.6	6.0								
70	4.5	6.0								
75	3.4	5.8								
80	2.9	5.8								
85	1.8	5.5								
88	1.3	5.5	7.3	600						

Date		4-25-91	
Lake	NAGAWICKA LAKE	Time	4:15 p.m.
County	WAUKESHA Co.	Lake Acreage	917
Storet Number	<u>6 8 3 1 2 9</u>	Maximum Depth	90 Ft.
Water Body Number	<u>0 8 2 8 0 0 0</u>	Air Temperature	60°
Station Location	Maximum depth		

Light Penetration	Station	Secchi Disc Depth in Meters
		5.5 meters

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH
	0	11.2	9.0	
	5	11.0	9.0	
	10	11.0	9.5	
	15	11.0	8.5	
	20	11.6	8.5	
	25	11.0	8.0	
	30	10.8	7.5	
	35	10.8	7.0	
	40	10.8	6.5	
	45	10.8	6.0	

Depth	D.O.	Temp.	pH
50	10.6	6.0	
55	10.6	6.0	
60	10.6	6.0	
65	10.4	6.0	
70	10.2	6.0	
75	10.2	6.0	
80	10.2	5.5	
85	10.0	5.5	
87	9.5	5.5	

Wind Speed and Direction	Cloud Cover
	100% Cloud Cover

Macrophyte Sampling Information

Additional Comments or Remarks

Date 2-26-91	
Lake NAGAWICKA LAKE	Time 10:30
County WAUKESHA Co.	Lake Acreage 917
Storet Number 6 8 3 1 2 9	Maximum Depth 90 Ft.
Water Body Number 0 8 2 8 0 0 0	Air Temperature
Station Location Maximum depth	

Light Penetration Station	Secchi Disc Depth in Meters 9.25
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Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH		Depth	D.O.	Temp.	pH	
	0	12	4	7.6	389	50	11.8	4		
	5	12	4			55	11.7	4		
	10	11.9	4			60	11.5	4		
	15	11.8	4		*	65	8.9	3	7.4	400
	20	11.8	4			70	9.2	2		
	25	11.8	4			75	10.1	2		
	30	11.8	4			80	7.0	2		
	35	11.8	4			85	1.0	3		
	40	11.8	4			90	.3	5	7.4	417
	45	11.8	4							

Wind Speed and Direction	Cloud Cover 20%
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Macrophyte Sampling Information

Additional Comments or Remarks

10 snow cover 1/4" thick

Date 23 AUG 96	
Lake NAGAWICKA LAKE	Time 0930
County WAUKESHA Co.	Lake Acreage 917
Storet Number 6 8 3 1 2 9	Maximum Depth 90 Ft.
Water Body Number 0 8 2 8 0 0 0	Air Temperature

Station Location
Maximum depth

Light Penetration Station	Secchi Disc Depth in Meters 2.8 m
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Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	Depth	D.O.	Temp.	pH	COND
	0	8.0	21.8	8.5	590	50	0.6	7.8		COND
	5	7.9	21.7			55	0.3	7.0		
	10	7.6	21.4			60	0.0	6.8		
	15	7.3	21.3			65	0.0	6.4		
	20	6.0	21.1			70	0.0	6.2		
	25	2.4	20.2			75	0.0	6.2		
*	30	0.0	17.5	8.0	600	80	0.0	6.0		
	35	0.0	13.1			85	0.0	6.0		
	40	1.0	10.5			90	0.0	6.0	8.0	610
	45	0.9								

Wind Speed and Direction 0 mph	Cloud Cover 100%
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Macrophyte Sampling Information

Additional Comments or Remarks
ALGAE SAMPLE WAS SPILLED

	Date 07-23-90
Lake WAGAWICKA	Time 10:45
County	Lake Acreage
Storet Number	Maximum Depth 90'
Water Body Number	Air Temperature

Station Location

Light Penetration Station	Secchi Disc Depth in Meters 1.8M
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Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit (ft./m)

Depth	D.O.	Temp.	pH
0	10.8	22	
5	11.0	22	
10	10.6	22	
15	10.0	22	
20	7.9	21	
25	6.0	19	
30	4.2	16	
35	4.4	13	
40	5.0	10	
45	5.1	9	

Middle 35' →
Bottom 90'

Depth	D.O.	Temp.	pH
50	4.7	7.0	
55	4.6	6.0	
60	4.3	7.0	
65	2.8	6.0	
70	1.7	6.0	
75	1.7	6.0	
80	0.4	6.0	
85	0.5	6.0	
90	0.2	5.0	

Wind Speed and Direction NE ~ 5 mph.	Cloud Cover 25%
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Macrophyte Sampling Information

Additional Comments or Remarks

Date	25 JUNE 90
Lake	NAGAWICKA
Time	9:55
County	WANKESHA
Lake Acreage	1026
Storet Number	
Maximum Depth	90'
Water Body Number	0828000
Air Temperature	21°C

Station Location

Light Penetration Station	Secchi Disc Depth in Meters
	3.0m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit	Depth	D.O.	Temp.	pH
ft./m *	0	9.2	20.0	8.14
	5	9.7	20.0	
	10	8.7	19.5	
	15	8.0	19.0	
	20	7.4	18.5	
	25	7.2	18.0	
	30	6.6	16.0	
m *	35	6.3	11.0	7.75
	40	6.1	9.5	
	45	6.1	9.0	

Depth	D.O.	Temp.	pH
50	5.9	7.0	
55	5.8	6.5	
60	5.7	6.0	
65	5.4	5.2	
70	5.0	5.5	
75	5.0	5.5	
80	5.0	5.4	
m *	85	4.7	5.5
	90	4.3	5.5

Wind Speed and Direction	Cloud Cover
5-10 mph from west	5%

Macrophyte Sampling Information

Additional Comments or Remarks

you don't want to know

"BOT" @ 85'

"MIB" @ 33'

Date		4/10/90	
Lake	NAGAWICKA LAKE	Time	12:20
County	WAUKESHA Co.	Lake Acreage	917
Storet Number	6 8 3 1 2 9	Maximum Depth	90 Ft.
Water Body Number	0 8 2 8 0 0 0	Air Temperature	40
Station Location	Maximum depth		

Light Penetration Station	Secchi Disc Depth in Meters
	5.0

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH
	0	12.2	4.5	
	5	12.5	4.5	
	10	12.5	4.5	
	15	12.5	4.5	
	20	12.5	4.5	
	25	12.2	4.5	
	30	12.5	4.5	
	35	12.5	4.5	
	40	12.5	4.5	
	45	12.2	4.5	

Depth	D.O.	Temp.	pH
50	12.6	4.5	
55	12.6	4.5	
60	12.6	4.5	
65	12.5	4.5	
70	12.5	4.5	
75	12.5	4.5	
80	12.5	4.5	
85	12.2	4.5	
90	12.3	4.5	
95	12.3	4.5	

Wind Speed and Direction	Cloud Cover
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Macrophyte Sampling Information

Additional Comments or Remarks

drifting during DO profile

Date	28 FEB 90
Lake	DAGAWICKA
Time	1000
County	Waukesha
Lake Acreage	
Storet Number	
Maximum Depth	
Water Body Number	
Air Temperature	25 °F

Station Location

Light Penetration Station	Secchi Disc Depth in Meters	9.0
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Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH
x	1	13.6	1	7.9
	5	14.2	2.5	
	10	13.5	3.0	
	15	13.5	3.0	
	20	13.5	3.0	
	25	13.2	3.0	
	30	13.2	3.0	
	35	13.2	3.0	
	40	13.0	3.0	
	45	12.8	3.0	

cont
410

Depth	D.O.	Temp.	pH
50	12.4	3.0	
55	12.0	3.0	
60	11.8	3.0	
65	9.5	3.0	
70	9.3	2.5	
75	9.3	3.0	
A 80	7.8	3.0	7.8
85	3.0	3.0	
90	1.2	3.0	
x 93	1.0	3.0	7.8

cont

480

500 H₂S

Wind Speed and Direction	0.5 W	Cloud Cover	0%
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Macrophyte Sampling Information

Additional Comments or Remarks

15' ice 1-3" drifted snow
H₂S in 93' sample, suspect no water out of tubular

Date	8-22-79
Lake	MAGAWICKA L.
Time	1005
County	
Lake Acreage	
Storet Number	
Maximum Depth	
Water Body Number	
Air Temperature	

Station Location

Light Penetration Station	Secchi Disc Depth in Meters
	1.8 m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	Depth	D.O.	Temp.	pH	COND
*	0	8.4	23.5	8.55	580	50	0.25	6.8		
	5	8.4	23.5			55	0.20	6.5		
	10	8.2	24.0			60	0.20	6.5		
	15	8.0	23.0			65	0.20	6.0		
	20	6.4	21.8			70	0.20	6.0		
*	25	3.5	20.5	8.15	580	75	0.20	6.0		
	30	1.0	19.5			80	0.15	6.0		
	35	0.7	11.0			85	0.15	6.0		
	40	0.7	8.5			90	0.15	6.0	7.9	480
	45	0.45	7.2							

Wind Speed and Direction	Cloud Cover
WAVE 5-10	75%

Macrophyte Sampling Information

Additional Comments or Remarks

Date	7-26-89
Lake	NAGAWICKA
Time	11:56 AM
County	
Storet Number	
Water Body Number	
Lake Acreage	
Maximum Depth	
Air Temperature	

Station Location

Light Penetration Station	Secchi Disc Depth in Meters
	5.0

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	Depth	D.O.	Temp.	pH	COND
	0	9.0	26.0	8.7	550	50	3.5	6.8		
	5	9.6	25.0			55	2.8	6.2		
	10	8.8	22.8			60	2.0	6.0		
	15	8.6	21.5			65	1.2	5.9		
	20	8.0	20.6			70	0.5	5.8		
	25	8.0	16.0			75	0.2	5.6		
	30	6.2	12.9			80	0.2	5.5		
*	35	4.4	10.6	8.3	550	85	0.2	5.5		
	40	3.9	8.2			90	0.2	5.4	8.0	650
	45	3.9	7.3							

Wind Speed and Direction	Cloud Cover
NW, 0-3	40% HAZY

Macrophyte Sampling Information

Additional Comments or Remarks

Date	6-28-89
Lake	NAGAWICKA
Time	11:00
County	
Lake Acreage	
Storet Number	
Maximum Depth	
Water Body Number	
Air Temperature	

Station Location

Light Penetration Station	Secchi Disc Depth in Meters
	4.0

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH		Depth	D.O.	Temp.	pH	
*	0	8.3	24.2	8.4	590	50	6.2	6.3		
	5	8.3	23.9			55	6.0	6.1		
	10	8.1	23.9			60	5.6	6.0		
	15	9.5	19.9			65	4.8	5.8		
	20	9.7	18.1			70	4.1	5.5		
	25	9.7	16.0			75	3.8	5.4		
*	30	7.2	11.1	8.3	590	80	3.8	5.3		
	35	6.7	9.2			85	1.6	5.1		
	40	6.1	8.0			90	0.5	5.1	8.05	600
	45	6.0	7.1			95				

Wind Speed and Direction	Cloud Cover
	0%

Macrophyte Sampling Information

Additional Comments or Remarks

Date		4-27-89		
Lake	NAGAWICKA LAKE		Time	11:10
County	WAUKESHA Co.		Lake Acreage	917
Storet Number	6 8 3 1 2 9		Maximum Depth	90 Ft.
Water Body Number	0 8 2 8 0 0 0		Air Temperature	
Station Location	Maximum depth			

Light Penetration Station	Secchi Disc Depth in Meters
	4.0 m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	Depth	D.O.	Temp.	pH	COND
	0	11.9	10.0	8.15	482	50	11.4	5.7		
	5	11.9	9.9			55	11.4	5.5		
	10	11.9	9.9			60	11.4	5.4		
	15	12.2	9.5			65	11.3	5.3		
	20	12.4	7.8			70	11.2	5.2		
	25	12.3	7.1			75	11.2	5.2		
	30	12.0	7.0			80	11.0	5.1		
	35	11.9	6.7			85	10.9	5.0		
	40	11.7	6.1			90	10.8	5.0	8.05	482
	45	11.6	6.0							

Wind Speed and Direction	Cloud Cover
	100%

Macrophyte Sampling Information

Additional Comments or Remarks

Date	2-22-89
Lake	NAGAWICIA
Time	10:30 11:15
County	
Lake Acreage	
Storet Number	
Maximum Depth	
Water Body Number	
Air Temperature	

Station Location

Light Penetration Station	Secchi Disc Depth in Meters
	4.25

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	Depth	D.O.	Temp.	pH	COND
*	0	16.5	0.6	8.11	355	50	13.7	3.0		COND
	5	15.8	2.8			55	13.4	3.0		
	10	15.8	2.8			* 60	12.4	3.0	8.2	355
	15	15.4	3.0			65	11.2	3.0		
	20	15.4	3.0			70	10.5	3.0		
	25	15.4	3.0			75	9.5	3.0		
	30	15.2	3.0			80	7.8	3.0		
	35	14.8	3.0			85	8.0	3.0		
	40	14.8	3.0			* 90	6.4	3.0	7.99	415
	45	14.2	3.0							

Wind Speed and Direction	Cloud Cover
	0/6

Macrophyte Sampling Information

Additional Comments or Remarks

Ice \bar{z} = 0.2m
Snow \bar{z} = 100 ft 4-6 in

Date	8-23-88
Lake	Nagawicka Lake
Time	9:30
County	Waukesha
Lake Acreage	
Storet Number	
Maximum Depth	95'
Water Body Number	
Air Temperature	

Station Location

Light Penetration Station	Secchi Disc Depth in Meters
	2.5 m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	Cont	Depth	D.O.	Temp.	pH
* 0	7.5	24.5	8.55	490	50	.8	8.0		
5	7.6	24.5			55	.1	8.0		
10	7.8	24.5			60	.1	7.5		
15	7.8	24.5			65	.1	7.5		
20	8.0	24.5			70	.1	7.5		
* 25	4.2	21.0	8.1	490	75	.1	7.5		
30	.8	13.5			80	.1	7.5		
35	.6	11.0			85	.1	7.5		
40	1.0	8.5			* 90	.1	7.0	7.2	570
45	.9	8.5			95				

Wind Speed and Direction	7-15 NW	Cloud Cover	570
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Macrophyte Sampling Information

Additional Comments or Remarks

Date	7-18-88
Lake	WALAWANNA
Time	10:30
County	
Lake Acreage	
Storet Number	
Maximum Depth	
Water Body Number	
Air Temperature	

Station Location

Light Penetration Station	Secchi Disc Depth in Meters	2.9
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Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	PH
*	0	9.0	26.5	6.00
	5	8.0	26	
	10	8	25.5	
	15	8	25	
	20	6.8	22	
*	25	4.6	17	5.50
	30	3.9	13	
	35	3.7	10	
	40	3.7	9	
	45	3.3	8	

COOL PH

Depth	D.O.	Temp.	PH
50	2.1	8	
55	3.0	8	
60	1.5	8	
65	0.2	7.5	
70	0	7.5	
75	0	7.0	
80	0	7.0	
85	0	7.0	
90	0	7.0	6.00

COOL PH

Wind Speed and Direction	Cloud Cover
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Macrophyte Sampling Information

Additional Comments or Remarks

Date	6-8-88
Lake	Nagawicka
Time	10:00 A.M.
County	Lake Acreage
Storet Number	Maximum Depth
Water Body Number	Air Temperature
Station Location	

Light Penetration Station	Secchi Disc Depth in Meters
	1.25

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	Cond.	Depth	D.O.	Temp.	pH	Cond.
*	0	9.6	23.4	7.6	580	50	8.0	8.3		
	5	9.6	23.4			55	7.8	8.1		
	10	9.5	23.4			60	7.6	8.0		
	15	11.1	19.8			65	6.8	7.8		
	20	10.8	16.0			70	6.8	7.8		
X	25	10.7	13.2	7.7	580	75	6.8	7.8		
	30	7.8	12.0			80	6.1	7.4		
	35	8.0	11.0			85	5.2	7.5		
	40	7.9	9.8			90	3.9	7.1	7.7	600
	45	8.4	8.5							

Wind Speed and Direction	15-20 NE	Cloud Cover	10%
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Macrophyte Sampling Information

Additional Comments or Remarks

4/16

Date	4-14-84
Lake	N. AG. LAKE
Time	13:45
County	
Lake Acreage	
Storet Number	
Maximum Depth	
Water Body Number	
Air Temperature	

Station Location

Light Penetration Station	Secchi Disc Depth in Meters
	3.0 m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH
	0	11.6	7.0	8.2
	5	11.5	7.0	
	10	11.9	7.0	
	15	12.0	7.0	
	20	12.0	6.9	
	25	12.0	6.9	
	30	12.0	6.9	
	35	11.9	6.9	
	40	12.0	6.9	
	45	12.0	6.5	

500

Depth	D.O.	Temp.	pH
50	12.0	6.4	
55	11.8	6.5	
60	11.8	6.3	
65	11.8	6.3	
70	11.7	6.2	
75	11.8	6.2	
80	11.8	6.0	
85	11.8	6.0	
90	11.8	6.0	8.1
90	11.8	6.0	8.1

500
500-BW

Wind Speed and Direction	Cloud Cover
	90 %

Macrophyte Sampling Information

Additional Comments or Remarks

4/16 [Signature]

Date		2-17-88	
Lake	NAGAWICKA LAKE		
County	WAUKESHA Co.		
Storet Number	6 8 3 1 2 9		
Water Body Number	0 8 2 8 0 0 0		
Time		11:15	
Lake Acreage		917	
Maximum Depth		90 Ft.	
Air Temperature			
Station Location Maximum depth			

Light Penetration Station	Secchi Disc Depth in Meters
	5.1

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	Depth	D.O.	Temp.	pH	COND
*	0	11.8	0.2	8.0	405	50	11.1	1.1		COUD
	5	11.7	1.0			55	11.0	1.1		
	10	11.5	1.0			60	10.7	1.1		
	15	11.5	1.0			* 65	10.2	1.0	7.9	420
	20	11.4	1.0			70	10.0	1.1		
	25	11.3	1.0			75	9.4	1.1		
	30	11.2	1.0			* 80	8.3	1.1	7.7	450
	35	11.2	1.1			85				
	40	11.2	1.1			90				
	45	11.2	1.1							

Wind Speed and Direction	Cloud Cover
	0%

Macrophyte Sampling Information

Additional Comments or Remarks

LORAN 43 04.09 N ICE 0.25
 88 23.46 W SNOW 4" 100%

Date	8-27-87
Lake	WAGAWICKA
Time	12:00
County	WAUK
Lake Acreage	
Storet Number	
Maximum Depth	
Water Body Number	
Air Temperature	

Station Location

Light Penetration Station	Secchi Disc Depth in Meters
	2.6 m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH		Depth	D.O.	Temp.	pH
*	0	8.0	21.0	8.5	505	50	0.1	7.1	
	5	8.0	21.0			55	0.1	6.7	
	10	8.0	21.0			60	0.1	6.5	
	15	8.0	21.0			65	0.1	6.2	
	20	8.0	21.0			70	0.1	6.2	
	25	5.2	20.7			75	0.1	6.1	
*	30	0.1	15.0	7.95	600	80	0.1	6.0	
	35	0.1	10.8			85	0.1	6.0	
	40	0.1	8.7			90	0.1	6.0	
	45	0.1	7.8			* 95 23	0.1	6.0	7.75
						100			580

Wind Speed and Direction	Cloud Cover
NE 7-15 MPH	100%

Macrophyte Sampling Information

Additional Comments or Remarks

	Date 7-22-87
Lake DAGAWICKA	Time 10:00
County WAUK.	Lake Acreage
Storet Number	Maximum Depth
Water Body Number	Air Temperature

Station Location

Light Penetration Station	Secchi Disc Depth in Meters 1.5 M
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Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	Cond	Depth	D.O.	Temp.	pH	Cond
X	0	9.5	26.8	8.2	392	50	3.2	7.0		
	5	9.5	26.7			55	2.7	6.8		
	10	9.1	25.7			60	3.2	6.3		
	15	8.4	25.2			65	2.8	6.1		
	20	6.3	23.1			70	1.0	6.0		
*	25	2.6	18.9	7.9	480	75	0.6	6.0		
	30	2.0	13.1			80	0.2	6.0		
	35	3.4	10.1			85	0.1	6.0		
	40	4.2	8.8			90	0.1	6.0	7.75	625
	45	4.4	7.6			95				

Wind Speed and Direction	Cloud Cover 0/8
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Macrophyte Sampling Information

Additional Comments or Remarks

	Date	4 June 87
Lake	Time	1000
County	Lake Acreage	
Storet Number	Maximum Depth	91'
Water Body Number	Air Temperature	55°F
Station Location		

Light Penetration Station	Secchi Disc Depth in Meters	6 m
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Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH		Depth	D.O.	Temp.	pH	
	0	7.5	21.5	8.4	550	50	7.9	6.9		
	5	7.4	21.5			55	7.4	6.5		
	10	7.2	21.0			60	7.3	6.2		
	15	7.1	19.3			65	6.6	6.0		
	20	6.7	19.3			70	5.8	6.0		
	25	6.7	10.4			75	5.9	6.0		
	30	6.7	10.3	8.3	550	80	6.0	5.6		
	35	7.4	8.9			85	5.9	5.7		
	40	7.8	7.8			90	7.7	5.8	5.1	* 600
	45	7.7	7.4			91	bottom			

Wind Speed and Direction	Cloud Cover	0-5 light haze
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Macrophyte Sampling Information

N/A

Additional Comments or Remarks

double checked DO measurements @ 20-30 ft stations.

Date 7 Apr 87	
Lake NAGAWICKA LAKE	Time 1030
County WAUKESHA Co.	Lake Acreage 917
Storet Number 6 8 3 1 2 9	Maximum Depth 90 Ft.
Water Body Number 0 8 2 8 0 0 0	Air Temperature 60°F
Station Location Maximum depth	

Light Penetration Station	Secchi Disc Depth in Meters 3.0
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Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	Depth	D.O.	Temp.	pH	COND
X	0	12.8	6.0	8.3	*450	50	12.8	4.9		
	5	13.2	5.4			55	12.8	4.9		
	10	13.2	5.2			60	12.8	4.9		
	15	13.1	5.1			65	12.8	4.9		
	20	13.0	5.0			70	12.8	4.9		
	25	13.0	5.0			75	12.8	4.9		
	30	13.0	5.0	8.2	*420	80	12.8	4.9		
	35	12.9	5.0			85	12.8	4.8		
	40	12.9	5.0			87	12.2	4.8	8.2	*430
	45	12.8	5.0							

Wind Speed and Direction 0-5 10E	Cloud Cover 0-5 light haze
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Macrophyte Sampling Information

Additional Comments or Remarks

lake surface calm, windy preceding 2 days predominantly from NW

zooplankton water in bottom & mid samples - large Daphnia

Date	2/25/87
Lake	NAGAWICKA LAKE
Time	13:35
County	WAUK CO
Storet Number	683129
Water Body Number	
Station Location	

Station Location
N 430404 W 582324

Light Penetration Station	Secchi Disc Depth in Meters
	3.8m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	Depth	D.O.	Temp.	pH	COND
*	1.0	12.4	3.2	7.2	435	50	9.6	2.8		
	5	12.6	3.2			55	9.3	2.2		
	10	12.4	3.2			60	9.2	2.2		
	15	12.6	3.2			65	9.0	2.2		
	20	12.6	3.0			70	8.7	2.2		
	25	12.6	3.0			75	8.0	2.5		
	30	12.6	3.1			80	8.1	2.9		
	35	12.3	3.1			85	4.6	2.9		
	40	11.5	3.0			90	3.8	3.0		
*	45	11.1	3.0	7.09	435*	95	3.4	3.0	6.9	620

Wind Speed and Direction	Cloud Cover
	60%

Macrophyte Sampling Information

Additional Comments or Remarks

Date	08-13-86
Lake	Nagawicki
Time	9:15
County	Waukesha
Lake Acreage	
Storet Number	683129
Maximum Depth	90'
Water Body Number	0828000
Air Temperature	22°C
Station Location	

Light Penetration Station	Secchi Disc Depth in Meters	13.0 ft (4.0 m)
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Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	cond	
					500	500
	0	7.8	22.7	7.5		
	5	7.8	22.7			
	10	7.7	22.7			
	15	7.7	22.7			
	20	7.5	22.7			
	25	6.7	22.5			
	30	6.9	22.7			
	35	6.1	22.2			
	40	4.0	19.7			
	45	6.8	22.6			
	50	5.3	22.0			
	55	1.1	16.0			
	60	1.5	9.9	9.9		+50
	70	1.5	9.1			
	80	1.5	8.8			
	90	1.4	8.9	7.7		500

Wind Speed and Direction	Cloud Cover
215° 80 mph	High thin overcast

Macrophyte Sampling Information

Additional Comments or Remarks

Thermocline - 60'; Drifting of plane did not allow sample to be taken directly off bottom

Date 7-10-86

Time 0900

Lake Acreage 917

Maximum Depth 90 Ft.

Air Temperature

Lake NAGAWICKA LAKE

County WAUKESHA Co.

Storet Number 6 8 3 1 2 9

Water Body Number 0 8 2 8 0 0 0

Station Location
Maximum depth

Light Penetration
Station _____ Secchi Disc Depth in Meters 2.2

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH
	0	10.0	22.5	8.5
	5	10.5	23.9	
	10	10.2	23.8	
	15	8.6	22.9	
	20	7.4	20.8	
	25	5.8	19.0	
	30	4.1	15.0	8.1
	35	3.9	11.0	
	40	4.8	10.2	
	45	4.1	9.3	MIN

Depth	D.O.	Temp.	pH
50	3.8	8.8	
55	3.4	8.3	
60	2.5	8.1	
65	2.4	8.0	
70	1.2	7.9	
75	.6	7.8	
80	.4	7.8	
85	.3	7.8	
90	.3	7.7	

Wind Speed and Direction _____ Cloud Cover 100 %

Macrophyte Sampling Information

Additional Comments or Remarks
43°04.14N 89°23.09W

Time 10:50

06-25-86

NAGAWICKA LAKE

suny 0% cloud cover
Temp 65°F wind
10-15 SW

	Temp	D.O	Secchi	COND	ph				
0	21.02	8.6 ppm		500	8.3				
5	21.0	8.6	4H m						
10	21.0	8.6							
15									
20	21.0	8.6							
25									
30	16.0	5.7							
35									
40	11.0	5.2							
45									
50	9.5	5.1		500	8.0				
55									
60	8.0	5.2							
65									
70	8.0	3.0							
75									
80	7.5	2.0							
85									
90	7.5	1.2		490	7.7				

	Date	4-21-86
Lake	Time	15:45
County	Lake Acreage	1024
Storet Number	Maximum Depth	90
Water Body Number	Air Temperature	

Station Location deepest PART OF THE LAKE

Light Penetration Station	Secchi Disc Depth in Meters	2.5m
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Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	cont	Depth	D.O.	Temp.	pH
	0	11.8	7.9	8.0	490				
	10	11.8	7.9						
	20	11.8	7.9						
	30	11.8	7.9						
	40	11.4	7.5						
	50	11.4	7.5						
	60	11.2	7.2						
	70	11.2	7.0						
	80	10.8	7.0						
	90	10.6	6.8	8.1	490				

Wind Speed and Direction	Cloud Cover
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Macrophyte Sampling Information

Additional Comments or Remarks

- Bottom sample may be contaminated by sediment

- bloom of Osc. Rubescens at 20-30 FT