

Extra Test

**DNR BASELINE MONITORING**

Lake Name Lake Mary Date 9/13/00 Time 12:17 PM

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

WBIC 0743000 % Cloud Cover/Precip \_\_\_\_\_

Observers Bunk Wind Speed 30 mph from West Direction  
Stankard

**Field Measurements and Observations**

Secchi Disk \_\_\_\_\_ (m or ft) Custer Color Strip Reading \_\_\_\_\_

Algae Development – Not apparent \_\_\_\_\_  
Slight (just visible) \_\_\_\_\_  
Moderate (quite noticeable) \_\_\_\_\_  
Heavy (very green) X

Site depth 20 (m or ft)  
pH at 1 meter 8.32

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	10.50	21.99	601								
3	10.46	21.99	602								
6	10.49	21.95	601								
9	10.46	21.95	602								
12	10.25	21.70	599								
15	10.33	21.45	601								
18	10.27	21.46	601								

Meter Type and ID Number(s) \_\_\_\_\_

**Water Samples**

Depth of Integrated Water Sample 15 m or ft SLH Field Number Maryl

Amount filtered for chlorophyll 100 mLs

**Comments / Observations**





Store# 303121

**DNR BASELINE MONITORING**

Lake Name Mary

Date 10 / 08 / 01

Time 12:50 PM

Sample Location (e.g., deepest point in basin) Deep Spot @ 30ft

WBIC 743000

% Cloud Cover/Precip 75.10 / Dry

Observers Slubbe  
Bunk

Wind Speed 20 mph from SW Direction

**Field Measurements and Observations**

Secchi Disk 3 (m or ft)

Custer Color Strip Reading 6

Algae Development – Not apparent \_\_\_\_\_  
Slight (just visible) \_\_\_\_\_  
Moderate (quite noticeable) X \_\_\_\_\_  
Heavy (very green) \_\_\_\_\_

Site depth 26 (m or ft)

pH at 1 meter 8.35

**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	10.2	13.8	604								
3	9.82	12.74	610								
6	9.76	13.79	610								
9	9.69	13.79	610								
12	9.68	13.78	611								
15	9.63	13.77	613								
18	9.62	13.78	611								
21	9.62	13.77	611								
24	9.61	13.77	611								
27											

Meter Type and ID Number(s) Hydralab Surveyor 3

**Water Samples**

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

Amount filtered for chlorophyll 800 mLs

Mary 2  
2 = 25ft. van dom

**Comments / Observations**

pH @ 24 ft = 8.38











## DNR BASELINE MONITORING

Lake Name Marie Lake Date 5/12/04 Time 2:30

Sample Location (e.g., deepest point in basin) near launch

WBIC 743000 % Cloud Cover/Precip 65%

Observers Campfield Wind Speed 20 mph from S Direction  
Robinson

### Field Measurements and Observations

✓ Secchi Disk 1.6 (m) or (ft)

Custer Color Strip Reading 3

Algae Development – Not apparent \_\_\_\_\_  
Slight (just visible) \_\_\_\_\_  
Moderate (quite noticeable) \_\_\_\_\_  
Heavy (very green) \_\_\_\_\_

Site depth 12 (m or (ft))

pH at 1 meter \_\_\_\_\_

### 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
<u>3ft</u>	<u>10.85</u>	<u>19.29</u>	<u>717.8</u>								
<u>6ft</u>	<u>10.72</u>	<u>19.27</u>	<u>718.3</u>								

Meter Type and ID Number(s) Hydrolab IV

### Water Samples

Depth of Integrated Water Sample \_\_\_\_\_ m or ft SLH Field Number \_\_\_\_\_

Amount filtered for chlorophyll \_\_\_\_\_ mLs

### Comments / Observations

N 42° 31.655'  
W 88° 18.248'

## DNR BASELINE MONITORING

Lake Name Mary Date 6/22/04 Time 1:53 PM

Sample Location (e.g., deepest point in basin) Deep spot @ 30ft

WBIC \_\_\_\_\_ % Cloud Cover/Precip 65% Drg Windy

Observers Cube Powers Wind Speed 15-20 mph from NW Direction  
Heidi Bunk

### Field Measurements and Observations

✓ Secchi Disk 3.0 (m or ft) Custer Color Strip Reading 2

Algae Development – Not apparent \_\_\_\_\_  
Slight (just visible) \_\_\_\_\_  
Moderate (quite noticeable)  \_\_\_\_\_  
Heavy (very green) \_\_\_\_\_

Site depth 30 (m or ft)  
✓ pH at 1 meter 8.21  
6 8.22 12 8.22  
9 8.22 15 8.21

### 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
3	8.80	22.28	662.2								
6	8.43	22.26	662.2								
9	8.58	22.23	662.6								
12	8.56	22.14	662.3								
15	8.39	21.79	662.8								

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

### Water Samples

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

Amount filtered for chlorophyll \_\_\_\_\_ mLs

### Comments / Observations

N 42° 31.590' Elevation 799 ft  
W 088° 15.086' Accur 12.6 ft  
3D Diff





XX

**DNR BASELINE MONITORING**

Lake Name Mary Date 4/11/05 Time 1:50 PM

Sample Location (e.g., deepest point in basin) Deep spot @ 30ft

WBIC \_\_\_\_\_ % Cloud Cover/Precip 60%

Observers Campfield Wind Speed 15-20 mph from S-SW Direction  
Bunk

*But more of an emerald green*

**Field Measurements and Observations**

Secchi Disk 5.3 (m) or (ft) Custer Color Strip Reading 2

Algae Development – Not apparent \_\_\_\_\_  
Slight (just visible) X \_\_\_\_\_  
Moderate (quite noticeable) \_\_\_\_\_  
Heavy (very green) \_\_\_\_\_

Site depth 30 (m or ft)  
pH at 1 meter 8.34  
6ft 8.35

**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
<u>3</u>	<u>10.67</u>	<u>13.53</u>	<u>803</u>								
<del>6</del>											
<u>6</u>	<u>10.40</u>	<u>13.45</u>	<u>803</u>								

TDS  
0.513  
0.513

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

**Water Samples**

Depth of Integrated Water Sample 0-6 m or (ft) SLH Field Number Mary 1

Amount filtered for chlorophyll \_\_\_\_\_ mLs

**Comments / Observations**

N 42° 31.593' Elevation 799.4 ft  
W 088° 15.114' g.c.c.w 27.7 ft









**DNR BASELINE MONITORING**

Lake Name Lake Mary Date 04/20/06 Time 1:51pm  
 Sample Location (e.g. deepest point in basin) Deep hole @ 33 ft  
 WBIC \_\_\_\_\_ % Cloud Cover 0% / Sunny  
 Observers Rachel Guel Wind Speed 0-5 mph from W-NW Direction  
Heidi Bone

**Field Measurements and Observations**

Secchi Disk 25 2.45 (m or ft) Custer Color Strip Reading \_\_\_\_\_  
 Algae Development - Not apparent \_\_\_\_\_ Site Depth 35 (m or ft)  
 Slight (just visible) \_\_\_\_\_  
 Moderate (quite noticeable)  \_\_\_\_\_ pH at 1 meter 8.1  
 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
3	9.63	14.44	769	8.09										
6	9.64	14.43	770	8.09										
9	9.60	14.38	768	8.06										
12	9.52	14.25	767	8.04										
15	9.49	14.18	769	8.04										
18	9.37	14.11	770	8.03										
21	9.43	13.97	771	8.03										
24	8.94	13.72	770	8.02										
27	8.85	13.43	770	8.00										
30	8.54	13.33	767	7.99										
<del>33</del>														

Meter Type and ID Number(s) Snorkle 4A

**Water Samples**

Depth of Intergrated Water Sample 6 m or ft SLH Field Number Mary1  
 Amount filtered for chlorophyll \_\_\_\_\_ mLs

**Comments / Observations**

N 42° 31.558' hit floor @ 32 ft.  
W 088° 15.143' (sediment)  
elev. 777.1  
16.9 ft accuracy

**DNR BASELINE MONITORING**

Lake Name Mary Lake Date 07/25/06 Time 12:30 PM  
 Sample Location (e.g. deepest point in basin) Deep Spot @ 34 ft  
 WBIC \_\_\_\_\_ % Cloud Cover 95 to 100  
 Observers Andy Hudak Wind Speed 10-15 mph from west Direction  
Heidi Bunk

**Field Measurements and Observations**

Secchi Disk 1.6, 1.6 (m or ft) Custer Color Strip Reading \_\_\_\_\_  
 Algae Development - Not apparent \_\_\_\_\_ Site Depth 34 (m or ft)  
 Slight (just visible) \_\_\_\_\_  
 Moderate (quite noticeable)  \_\_\_\_\_ pH at 1 meter \_\_\_\_\_  
 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
3	8.47	26.08	843	8.74										
6	8.24	26.01	844	8.14										
9	8.17	25.94	843	8.52										
12	7.61	25.66	842	8.47										
15	7.36	25.49	846	8.42										

Meter Type and ID Number(s) HydroLab Surveyor 9a

**Water Samples**

Depth of Intergrated Water Sample 0-6 m or ft SLH Field Number Mary 1  
 Amount filtered for chlorophyll \_\_\_\_\_ mLs

**Comments / Observations**

	3ft	6ft	9ft	12ft	15ft
Temp	104.5	102.1	101.2	93.7	90.5
TDS	0.5398	0.5404	0.5402	0.5396	0.5415
Turb	29.5	20	15.8	12.2	7.5

N42°31.548' ± 15  
 W088° 15.166'

**DNR BASELINE MONITORING**

Lake Name Lake Mary (Marie) Date 8/21/06 Time 1:41 PM

Sample Location (e.g. deepest point in basin) Deep Spot @ 34 ft

WBIC \_\_\_\_\_ % Cloud Cover 200% Sunny

Observers Andy Hudak  
Nanci Cook Wind Speed 5 mph from SW Direction

**Field Measurements and Observations**

Secchi Disk 2.2, 2.0 (m or ft)  
calm → boat wake  
Algae Development - Not apparent \_\_\_\_\_  
Slight (just visible) \_\_\_\_\_  
Moderate (quite noticeable) \_\_\_\_\_  
Heavy (very green) X

Custer Color Strip Reading \_\_\_\_\_  
Site Depth 34 (m or ft)  
pH at 1 meter \_\_\_\_\_

**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
3	8.24	25.15	852	8.41										
6	8.12	25.08	851	8.41										
9	8.08	24.87	851	8.42										
12	7.88	24.78	852	8.41										
15	7.80	24.72	851	8.41										
18	7.85	24.49	852	8.42										
21	8.11	24.20	851	8.43										
24	1.30	22.92	896	7.41										
27	0.37	18.95	925	7.09										
30	0.34	16.91	943	7.01										
33	0.33	15.97	973	6.91										
bottom														

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

**Water Samples**

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

Amount filtered for chlorophyll \_\_\_\_\_ mLs

**Comments / Observations**

N42° 31.527'  
W088° 15.134'  
±16 ft  
8 Sats

**DNR BASELINE MONITORING**

Lake Name Mary Date 9/25/06 Time 1:34 PM

Sample Location (e.g. deepest point in basin) Mary

WBIC \_\_\_\_\_ % Cloud Cover 5-10% Sunny

Observers Andy Hudak Wind Speed 10-15 mph from SW Direction  
Heidi Bunk

**Field Measurements and Observations**

Secchi Disk 1.5, 1.5 (m or ft) Custer Color Strip Reading \_\_\_\_\_  
*Give or take a wave!*  
 Algae Development - Not apparent \_\_\_\_\_ Site Depth 32 (m or ft)  
 Slight (just visible)  \_\_\_\_\_  
 Moderate (quite noticeable) \_\_\_\_\_ pH at 1 meter \_\_\_\_\_  
 Heavy (very green) \_\_\_\_\_

**Profiles**

98.0  
94.5  
94.6  
93.2  
90.6  
90.4  
92.3  
91.8  
88.6

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	9.28	17.29	737	8.42										
6	9.05	17.27	737	8.38										
9	9.06	17.24	737	8.36										
12	8.88	17.23	737	8.35										
15	8.86	17.22	738	8.34										
18	8.85	17.21	738	8.33										
21	8.76	17.20	737	8.32										
24	8.77	17.19	737	8.32										
27	6.85	16.99	737	8.29										
30														
33														

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

**Water Samples**

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

Amount filtered for chlorophyll \_\_\_\_\_ mLs

**Comments / Observations**

Drifted off of deep hole due to wind  
N 42.52520° ± 15 ft  
W 088.25198°  
Choppy, Turbid

**DNR BASELINE MONITORING**

Lake Name Manly Date 7/24/07 Time 11:34 AM  
 Sample Location (e.g. deepest point in basin) Deep Spot @ 34 ft  
 WBIC \_\_\_\_\_ % Cloud Cover 100% Lt drizzle  
 Observers McManamy Wind Speed 0-5 mph from NW Direction  
Bank

**Field Measurements and Observations**

Secchi Disk 2.2, 2.1 (m or ft) Custer Color Strip Reading A2, A2  
 Algae Development - Not apparent \_\_\_\_\_ Site Depth 34 (m or ft)  
 Slight (just visible) \_\_\_\_\_  
 Moderate (quite noticeable) \_\_\_\_\_ pH at 1 meter 8.6  
 Heavy (very green) X

**Profiles**

103.0  
104.5  
103.7  
102.0  
0.0  
1.0  
0.7  
0.5  
0.5

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	8.5	25.6	719	8.6										
6	8.5	25.6	719	8.6										
9	8.5	25.6	720	8.6										
12	8.4	25.5	721	8.6										
15	8.1	24.7	720	8.6										
18	5.1	24.1	728	8.4										
21	2.3	23.9	733	8.1										
24	0.08	23.1	741	7.8										
27	0.06	22.4	749	7.6										
30	0.06	20.7	764	7.4										
33	0.05	19.3	787	7.2										
36														

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

**Water Samples**

Depth of Intergrated Water Sample 0-6 m or ft SLH Field Number Manly  
 Amount filtered for chlorophyll \_\_\_\_\_ mLs

**Comments / Observations**

18 62.0 N42.52623°  
21 26.5 W088.25184°  
± 15 ft  
 ↓  
 depths

**DNR BASELINE MONITORING**

Lake Name Mary Date 09/04/07 Time 2:25 PM  
 Sample Location (e.g. deepest point in basin) Deep Spot @ 34 ft  
 WBIC \_\_\_\_\_ % Cloud Cover 0%  
 Observers McManama Wind Speed 5 mph from SW/W Direction  
Bmk

**Field Measurements and Observations**

Secchi Disk 2.9, 3.0 (m or ft) Custer Color Strip Reading A2, A2  
 Algae Development - Not apparent \_\_\_\_\_ Site Depth 34 (m or ft)  
 Slight (just visible) \_\_\_\_\_  
 Moderate (quite noticeable) \_\_\_\_\_ pH at 1 meter 8.5  
 Heavy (very green) X

**Profiles**

118.0  
115.5  
112.0  
115.4  
.5  
0.9  
1.0  
0.7  
0.5

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	9.5	26.4	681	8.5										
6	9.4	25.9	680	8.5										
9	9.1	25.7	679	8.6										
12	9.5	25.5	679	8.6										
15	8.7	24.7	677	8.5										
18	<del>2.8</del>	23.8	685	8.0										
21	0.11	23.2	693	7.6										
24	0.09	22.9	697	7.6										
27	0.08	22.7	702	7.5										
30	0.06	21.8	729	7.3										
33	0.05	20.7	814	6.9										
	bottom													

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

**Water Samples**

Depth of Intergrated Water Sample 0-6 m or ft SLH Field Number Mary 1  
 Amount filtered for chlorophyll \_\_\_\_\_ mLs

**Comments / Observations**

18 33.1 N42°31.501'  
21 ~~2.2~~ 1.6 W088°15.100'  
±16 ft

entered 6/18/08 NC

**DNR BASELINE MONITORING**

Lake Name Mary Date 04/15/08 Time 10:55  
 Sample Location (e.g. deepest point in basin) 44 Deep Hole  
 WBIC \_\_\_\_\_ % Cloud Cover 0  
 Observers McManama Wind Speed 30 mph from SE Direction  
Harksook

**Field Measurements and Observations**

Secchi Disk 57 (m or ft) Custer Color Strip Reading A1  
 Algae Development - Not apparent \_\_\_\_\_ Site Depth \_\_\_\_\_ (m or ft)  
 Slight (just visible) \_\_\_\_\_  
 Moderate (quite noticeable) \_\_\_\_\_ pH at 1 meter \_\_\_\_\_  
 Heavy (very green) \_\_\_\_\_

N 42.52700° W 088.25085°

**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
937 3	11.23	7.65	729.0	8.18										
929 6	11.10	7.74	730.0	8.70										
920 9	11.07	7.82	728.8	8.21										
925 12	11.09	7.72	727.4	8.20										
915 15	11.12	7.75	729.2	8.27										
937 18	11.17	7.76	729.8	8.19										
21														

Meter Type and ID Number(s) \_\_\_\_\_

**Water Samples**

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

**Comments / Observations**

Too windy to continue sampling.  
 Boat drifted.

**DNR BASELINE MONITORING**

Lake Name Mary Date 7/22/08 Time 11:45 AM  
 Sample Location (e.g. deepest point in basin) Deep Spot @ 34 ft  
 WBIC \_\_\_\_\_ % Cloud Cover 60%  
 Observers MCMannama Wind Speed 5-10 mph from NW Direction  
Bunk

**Field Measurements and Observations**

Secchi Disk 2.4, 2.45 (m or ft) Custer Color Strip Reading A2, A2  
 Algae Development - Not apparent \_\_\_\_\_ Site Depth 33 (m or ft)  
 Slight (just visible) \_\_\_\_\_  
 Moderate (quite noticeable) \_\_\_\_\_ pH at 1 meter 8.83  
 Heavy (very green) X

**Profiles**

16.9  
98.0  
101.1  
93.3  
72.2  
33.4  
21.6  
3.9  
1.2  
0.8  
0.9

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	7.9	26.15	670	8.83										
6	7.99	26.10	668	8.84										
9	8.20	25.99	668	8.84										
12	7.51	25.92	673	8.78										
15	5.92	24.89	683	8.60										
18	2.80	24.17	692	8.23										
21	1.85	23.5	692	8.11										
24	0.39	22.97	697	7.92										
27	0.12	22.23	705	7.85										
30	0.08	20.59	733	7.77										
32.5	0.09	18.71	759	7.63										

Meter Type and ID Number(s) Hydrolab Sverger 49

**Water Samples**

Depth of Intergrated Water Sample 0-6 m or ft SLH Field Number Mary 1  
 Amount filtered for chlorophyll \_\_\_\_\_ mLs

**Comments / Observations**

N 42.52586° SNW restriction  
W 88.25250°  
±10.3; Elevation 244.5



**DNR BASELINE MONITORING**

Lake Name Lake Mary Date 8 / 12 / 08 Time 12:41

Sample Location (e.g. deepest point in basin) Deep Spot @ 38ft

WBIC \_\_\_\_\_ % Cloud Cover 80%

Observers Jason Berg  
Heidi Bunk Wind Speed 5-10 mph from SW Direction

**Field Measurements and Observations**

Secchi Disk 2.0 (2.4) (m or ft) Custer Color Strip Reading A1 (A2) Heidi

Algae Development - Not apparent \_\_\_\_\_ Site Depth 37 (m or ft)

Slight (just visible) \_\_\_\_\_  
Moderate (quite noticeable) \_\_\_\_\_  
Heavy (very green) X pH at 1 meter 8.78

**Profiles**

0.10  
SAT  
131.2  
128.3  
129.3  
122.7  
122.4  
105.7  
93.5  
28.6  
9.6  
5.0  
3.2  
2.5

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	10.84	25.26	693	8.78										
6	10.6	25.08	692	8.76										
9	10.67	24.96	692	8.75										
12	10.16	24.71	692	8.73										
15	10.20	24.58	695	8.71										
18	8.93	24.38	696	8.63										
21	7.81	24.27	699	8.51										
24	2.23	24.02	706	8.01										
27	0.76	22.06	717	7.76										
30	0.48	20.39	740	7.64										
33	0.31	18.41	780	7.51										
36	0.22	17.62	798	7.42										

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

**Water Samples**

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

Amount filtered for chlorophyll \_\_\_\_\_ mLs

**Comments / Observations**

N 42.52575°  
W 088.25184°  
± 14.2 ft

**DNR BASELINE MONITORING**

Lake Name Mary Date 8/25/08 Time 12:45 PM  
 Sample Location (e.g. deepest point in basin) Mary - Deep Spot @ 32 ft  
 WBIC \_\_\_\_\_ % Cloud Cover 20% Mostly Sunny  
 Observers Bmk Wind Speed 10-15 mph from NE Direction  
M. Manana

**Field Measurements and Observations**

Secchi Disk 250 2.35 (m or ft) Custer Color Strip Reading A2 A2  
 Algae Development - Not apparent \_\_\_\_\_ Site Depth 32 (m or ft)  
 Slight (just visible) \_\_\_\_\_  
 Moderate (quite noticeable) X  
 Heavy (very green) \_\_\_\_\_ pH at 1 meter 8.67

**Profiles**

07.9  
03.2  
101.8  
101.1  
101.4  
86.6  
84.5  
35.5  
8.7

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	8.85	24.36	708	8.67										
6	8.65	24.36	706	8.70										
9	8.58	24.32	707	8.71										
12	8.48	24.30	705	8.71										
15	8.60	24.27	704	8.71										
18	7.31	24.04	708	8.56										
21	7.18	23.86	712	8.50										
24	3.01	23.40	721	8.06										
27	2.77	22.57	731	7.78										
30	bottom													
33														

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

**Water Samples**

Depth of Intergrated Water Sample 0-6 m or ft SLH Field Number Mary 1  
 Amount filtered for chlorophyll \_\_\_\_\_ mLs

**Comments / Observations**

N 42.52503°  
W 088.25270°  
T 8.6 ft

**DNR BASELINE MONITORING**

Lake Name Lake Mary Date 4/16/09 Time 10:55

Sample Location (e.g. deepest point in basin) Deep Hole @ 32 ft

WBIC \_\_\_\_\_ % Cloud Cover 0% Clear Sunny ~ 60°

Observers Hartsook Wind Speed 0.5 mph from NE Direction  
Brink

**Field Measurements and Observations**

Secchi Disk 5.7/5.5 (m or ft) Custer Color Strip Reading A1/A1  
 Algae Development - Not apparent \_\_\_\_\_ Site Depth 32 (m or ft)  
 Slight (just visible) X  
 Moderate (quite noticeable) \_\_\_\_\_  
 Heavy (very green) \_\_\_\_\_  
 pH at 1 meter 7.35

**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
3	10.97	8.48	853	7.35		87.7	0.5456							
6	10.89	8.00	854	7.47		87.2	0.5466							
9	10.74	7.93	854	7.55		87.7	0.5464							
12	10.67	7.91	854	7.62		88.6	0.5470							
15	10.72	7.86	854	7.67		87.7	0.5464							

Meter Type and ID Number(s) HydroLab Savonar 49

**Water Samples**

Depth of Intergrated Water Sample 1 m or ft SLH Field Number Mary 1  
 Amount filtered for chlorophyll \_\_\_\_\_ mLs

**Comments / Observations**

used 15 ft cable

---



---



---

**DNR BASELINE MONITORING**

Lake Name Mary Date 7/21/09 Time 10:27 AM  
 Sample Location (e.g. deepest point in basin) Deep Spot @ 34 ft  
 WBIC \_\_\_\_\_ % Cloud Cover 60%  
 Observers Bunk Wind Speed 5-10 mph from SW Direction  
Hartsack

**Field Measurements and Observations**

Secchi Disk 1.8, 2.2 (m or ft) Custer Color Strip Reading AL, AI  
 Algae Development - Not apparent \_\_\_\_\_ Site Depth 34.0 (m or ft)  
 Slight (just visible) \_\_\_\_\_  
 Moderate (quite noticeable) X \_\_\_\_\_  
 Heavy (very green) \_\_\_\_\_ pH at 1 meter 8.80

**Profiles**

10  
0.0  
103.6  
103.3  
102.7  
01.4  
94.1  
5  
58.0  
8.1  
5.0  
4.7  
4.5

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	8.89	22.56	756	8.80										
6	8.99	22.46	754	8.85										
9	8.87	22.29	754	8.87										
12	8.83	22.22	757	8.88										
15	8.11	22.12	756	8.84										
18	6.47	21.73	759	8.70										
21	3.37	21.25	765	8.03										
24	0.70	20.12	776	7.60										
27	0.45	18.92	783	7.53										
30	0.43	18.54	784	7.51										
33	0.43	18.12	788	7.45										

Meter Type and ID Number(s) HydroLab Surveyor 49

**Water Samples**

Depth of Intergrated Water Sample 0-6 m of ft SLH Field Number Mary 1  
 Amount filtered for chlorophyll \_\_\_\_\_ mLs

**Comments / Observations**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**DNR BASELINE MONITORING**

Lake Name Mary Date 8/13/09 Time 2:09 PM  
 Sample Location (e.g. deepest point in basin) Deep Spot @ 36 ft  
 WBIC \_\_\_\_\_ % Cloud Cover 40% Sunny  
 Observers Patel Wind Speed 5-10 mph from SE Direction  
Bunk

**Field Measurements and Observations**

Secchi Disk 2.35, 2.5 (m or ft) Custer Color Strip Reading A2, A1  
 Algae Development - Not apparent \_\_\_\_\_ Site Depth 36 (m or ft)  
 Slight (just visible) \_\_\_\_\_  
 Moderate (quite noticeable) X \_\_\_\_\_ pH at 1 meter 8.4  
 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
115.3	3	9.35	26.50	730	8.36									
116.1	6	9.47	26.0	729	8.32									
115.5	9	9.52	26.45	729	8.28									
114.0	12	9.56	24.88	728	8.25									
108.7	15	9.12	24.49	728	8.20									
112	18	7.09	24.11	730	8.03									
60.6	21	5.19	23.66	734	7.86									
10.1	24	0.87	22.83	740	7.45									
3.6	27	0.34	22.47	742	7.41									
2.1	30	0.20	21.88	746	7.30									
1.8	33	0.15	20.62	757	7.01									
1.5	36	0.12	19.50	780	6.51									

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

**Water Samples**

Depth of Intergrated Water Sample 0-6 m or ft SLH Field Number Mary 1  
 Amount filtered for chlorophyll \_\_\_\_\_ mLs

**Comments / Observations**

23.79 air temp

**DNR BASELINE MONITORING**

Lake Name Mary Date 9/08/09 Time 11:20  
 Sample Location (e.g. deepest point in basin) Deep Spot @ 30ft  
 WBIC \_\_\_\_\_ % Cloud Cover 100%  
 Observers Lambert Wind Speed 10 mph from NE Direction  
Bunk

**Field Measurements and Observations**

Secchi Disk 22, 22 (m or ft) Custer Color Strip Reading A1, A2  
 Algae Development - Not apparent \_\_\_\_\_ Site Depth 28ft (m or ft)  
 Slight (just visible) \_\_\_\_\_  
 Moderate (quite noticeable) X \_\_\_\_\_ pH at 1 meter 8.66  
 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
<sup>10</sup> 104.3	9.27	21.35	732	8.66										
112.0	9.21	21.3	731	8.69										
102.1	9.14	21.25	731	8.68										
92.2	8.28	20.98	732	8.59										
75.6	6.92	20.27	730	8.41										
5	4.64	20.03	734	8.16										
35.1	3.22	19.96	736	8.07										
<del>25.9</del>	<del>2.40</del>	<del>19.77</del>	<del>738</del>	<del>7.99</del>										
23.9	2.15	19.90	737	8.03										
19.2	2.68	19.94	736	8.07										

Meter Type and ID Number(s) Hydrolab Sivera

**Water Samples**

Depth of Intergrated Water Sample 0-6 m or (ft) SLH Field Number MARY1  
 Amount filtered for chlorophyll \_\_\_\_\_ mLs

**Comments / Observations**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_