

Excellent day: calm and sunny! Macrophytes coming toward surface with some filamentous algae attached.

**CUSTER COLORS**

STATIONS	TIME	SECCHI (FT)	SURFACE TEMP (F)	½ SECCHI & ½ M	LAKE OBSERVATIONS
WEST	10:25	20.5 Ft	68 F	3.0 1.5	CLEAR & green
EAST	11:35	34:0 Ft.	67 F	4.0 1.0	CLEAR & green

AIR TEMP: 72 F.

My perception of Green Lake today = 1. "Beautiful, could not be nicer."

Microscopic observations of plankton samples collected at both East & West deep-water stations via 17 ft. Vertical Wisconsin Plankton Net pulls. These organisms are estimated into four categories below:

	<u>Very Abundant</u>	<u>Abundant</u>	<u>Infrequent</u>	<u>Present</u>
<b>Blue-green:</b>			<i>Coelastrum</i>	
<b>Green:</b>		<i>Spirogyra</i>	<i>Pediastrum, Protococcus</i> <i>Sphaerocystis &amp; Unknown, 10-15um, unbranched</i>	
<b>Dinoflag. &amp;</b>	<i>Ceratium</i>			<i>Peridinium</i>
<b>Protozoa:</b>				
<b>Diatoms:</b>	<i>Tabellaria</i>			
<b>Desmids &amp;</b>	<i>Staurastrum</i>			
<b>"Golden":</b>				
<b>Zooplankton:</b>	Cyclopoids (eggs) Daphnia (4 <i>ephippia</i> East)			<i>Bosmina</i> <i>Ostracoda ?</i>
	Nauplii	(SORRY about strange "line" here)		<i>Leptodora</i>
<b>Metazoans &amp;</b>	<i>K. cochlearis (eggs)</i>	<i>Conochilus unicornis</i>		
<b>Rotifers:</b>	<i>K. quadrata (eggs)</i>			
<b>Others:</b>	Pieces of plants & animals! , Insects <b>Oak leaf stellate hairs!</b> <b>Filaments of terrestrial seeds</b>		Debris	Conifer pollen Clear, sharp, sometimes long!

Mary Jane Bumby, Volunteer Monitor, Green Lake, WI

Fourth Report: June 19, 2013

<b>SOME HYDROLAB READINGS (June 19, 2013):</b>				<b>(Dissolved Oxygen: LOWERED % &amp; now mg/l seems off)</b>					
	TEM. West	TEM. East		West	East	West	East	West	East
DEPTH	DO	DO	pH	pH	TURB	TURB	TDS	TDS	TDS
M	C.	C.			NTZ	NTZ			
1	20 10.0	19.5 11.5	8.6	8.7	0.8	0.0	30.7	31.0	
5	19 9.8	18 11.1	8.6	8.6	1.0	0.0	30.8	31.1	
10	11 8.7	15 9.5	8.1	8.4	0.4	0.0	31.1	31.2	
15	8 9.4	6 9.6	7.9	8.0	0.0	0.0	31.1	31.2	
20	6 9.9	5 9.8	7.9	7.9	0.0	0.0	31.0	31.1	
25	6 10.0	NR NR	7.9	NR	0.0	NR	31.0	NR	

Mary Jane Bumby, Volunteer Monitor, Green Lake, WI NR = Hydrolab hit bottom before 25 M at East end.