

Cloudy and calm, so not good monitoring weather. Surface scummy with bugs and many seeds from land plants, the dandelions and cottonwoods. Honeysuckle, locust trees and dame rockets blooming.

Some *Spirogyra* conjugating.

**CUSTER COLORS**

STATIONS	TIME	SECCHI (FT)	SURFACE TEMP (F)	½ SECCHI & ½ M		LAKE OBSERVATIONS
WEST	12:00	15.0 Ft	68 F	3.0	1.5	Murky & green
EAST	12:30	10.5 Ft.	68 F	3.0	2.0	Murky & green

AIR TEMP: 74 F.

My perception of Green Lake today = 2: "Very minor aesthetic problems, great for swimming/boating."

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>	NONE OBSERVED			
?				
<b>Green:</b>			<i>Spirogyra</i>	<i>Pediastrum</i>
<b>Dinoflag. &amp; Protozoa:</b>			<i>Ceratium</i> <i>Peridinium</i>	
<b>Diatoms:</b>		<i>Tabellaria</i>	<i>Fragilaria</i>	<i>Navicula</i>
<b>Desmids &amp; "Golden":</b>			<i>Staurastrum</i>	
<b>Zooplankton:</b>	Cyclopoids (eggs)		<i>Bosmina</i>	
	Daphnidia (some large with embryos, espec. East)			
	Nauplii			
<b>Metazoans &amp; Rotifers:</b>		<i>K. quadrata (eggs)</i>	<i>K. cochlearis (eggs)</i>	<i>Kellicotia</i>
<b>Others:</b>	Pieces of plants & animals! Oak leaf stellate hairs! Filaments of terrestrial seeds		Debris Clear, sharp, sometimes long! 2 insects, one dead & one not	Conifer pollen

Mary Jane Bumby, Volunteer Monitor, Green Lake, WI

First Report: June 11, 2013

A "numberless" monitoring was attempted **June 8** but Secchi was on shore. Lake had a brownish color but that's unofficial without the Secchi, and cloudy with light wind. Garlic mustard is blooming. Noticed a loon and some gulls. Air = 65 F and lake 1" below surface = 62 F. Plankton tow results much like this above one with East sample showing many more Daphnidia and both E & W on June 8 showing Very Abundant *Keratella* spp and *Cyclops* and eggs.

<b>SOME OF HYDROLAB READINGS (June 8, 2013):</b>				<b>(Dissolved Oxygen may be "iffie"; the %'s are really off!)</b>				
DEPTH	West DO	East DO	West pH	East pH	West TURB	East TURB	West SPC	East SPC
M	mg/l	mg/l			NTZ	NTZ		
2	10.0	11.5	8.6	8.7	1.0	0.0	480	480
5	9.8	11.1	8.6	8.6	1.0	0.0	477	481
10	8.7	9.5	8.1	8.4	0.0	0.0	482	488
15	9.4	9.6	7.9	8.0	0.0	0.0	482	484
20	9.9	9.8	7.9	7.9	0.0	0.0	483	485
25	10.0	9.9	7.9	7.8	0.0	0.0	483	486

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Numberless Report: June 8, 2013