

Finally excellent monitoring conditions with sun, a few white clouds and wind ca. 5 mph. Also motor boat fixed helped! North shore pier showed beds of Eurasian milfoil coming near surface in clear lake. Usually macrophytes diverse there.

Floating mats of cut-off macrophytes included: *Lemna* spp., attached filamentous algae (*Spirogyra*, (conjugation observed) *Zygnema*, *Rhizoclonium* & *Cladophora*) & abundant cottonwood seeds often colored some contents of mats white. Floating *Lemna* spp evident at East end surface.

Sugar Loaf cove showing almost entirely Eurasian milfoil and an impressive school of minnows!

STATIONS	TIME	SECCHI (FT)	SURFACE TEMP (F)	CUSTER COLORS		LAKE OBSERVATIONS
				½ SECCHI & ½ M		
<u>WEST</u>	10:00	19 Ft	68 F	4.0	1.5	Clear & green
<u>EAST</u>	10:15	35 Ft.	68 F	4.0	1.5	Clear & green

AIR TEMP: 68 F.

My perception of Green Lake today = 1: "Beautiful, could not be any 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>
Blue-green: ?	NONE OBSERVED			
Green:		<i>Pediastrum</i>	<i>Spirogyra</i>	
Dinoflag. & Protozoa:		<i>Ceratium</i>		
Diatoms:			<i>Fragilaria</i>	<i>Tabellaria</i>
Desmids & "Golden":		<i>Staurastrum</i>		
Zooplankton:	Cyclopoids (eggs) Daphnidia (all sizes; embryos; ONE <i>EPHIPPIA</i> in floating mat of plants) Nauplii		<i>Bosmina</i>	<i>Leptodora</i>
Metazoans & Rotifers:	<i>K. cochlearis</i> (eggs) <i>K. quadrata</i> (eggs) <i>Conochilus unicornis</i>			
Others:	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	

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Third Report: June 17, 2012

NOTE: Reports 1 and 2 will be coming this week. **IMPORTANT to note today's clarity at East end of 35 feet and abundance of Eurasian milfoil plants this year!**