

EAST & WEST DEEP-WATER STATIONS, GREEN LAKE, GREEN LAKE COUNTY, WI, USA.

Sunny with a steady wind of ca. 5 mph. I used the motor to keep both sampling and Secchi lines as vertical as possible which seemed to work well. Many gulls.

More of those wonderful schools of minnows – especially visible near surface in deep water at west end this time but reported all over lake.

Identification of minnows in sample sent in by Mike Norton is MIMIC SHINERS according to Steven J. Fajfar, DNR & UW-Madison-Sea Grant.

Again the usual zooplanktons were very skimpy at the 17 ft. depth for the sample collections I have consistently used. The Secchi at East end is now much higher (and more “normal”) than last time when I realized I was in a disturbed place – but too late to do another in a nearby site.

STATIONS	TIME	SECCHI (FT)	SURFACE TEMP (F)	CUSTER COLORS		LAKE OBSERVATIONS
				½ SECCHI & ½ M		
WEST	1:20	12.5 Ft	75F	4.0	2.0	Murky & green
EAST	2:00	12.5 Ft.	78 F	4.0	1.5	Murky & green

AIR TEMP: 80 F west; 82 F east.

My perception of Green Lake today = 4. "Desire to swim and lake enjoyment very much reduced." - (due to floating and attached aquatic plants and masses of filamentous algae in littoral zone).

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

	Very Abundant	Abundant	Infrequent	Present
<b>Blue-greens:</b>	<i>Anabaena</i> <i>Gleotrichia</i> <i>Microcystis</i>	<i>Coelosphaerium</i> <i>Nodularia</i>	<i>Gleocapsa</i> <i>Gomphosphaeria</i> <i>Lyngbya</i>	<i>Aphanotheca</i> <i>Chroococcus</i> <i>Oscillatoria</i>
<b>Greens:</b>		<i>Mougeotia</i>	<i>Botryococcus</i> <i>Coelastrum</i> <i>Gloeocystis</i> <i>Oocystis</i>	<i>Little Green Balls</i> <i>Sphaerocystis</i> <i>Tetraspora</i>
<b>Dinoflag. &amp; Protozoa:</b>	<i>Ceratium</i> <i>Vorticella</i>		small ciliates & flagellates	"ice-cream cone"
Diatoms	<i>Fragilaria</i>	<i>Meridium?</i>		
<b>Desmids &amp; "Golden":</b>		<i>Dinobryon</i> <i>Synuria</i>	<i>Cosmarium</i> Unknown Strands	<i>Staurastrum</i>
<b>Zooplankton:</b>		<i>Nauplii</i>	immature zebra mussels	Cyclopoids
<b>Metazoans &amp; Rotifers:</b>	<i>K. cochlearis</i> (eggs)	<i>Collotheca</i> (eggs 0-3)	Ascomorpha	<i>Asplanchna</i> (4)
<b>Others:</b>	Pieces of plants & animals! Terrestrial seeds and leaves Conjugation in gr. algal filaments Several unknowns moving about (rotifers?)	Floating apples Over-the-hill gr. filaments	MANY, active, tiny "zoomers"	Debris Empty cells in algal filaments
		New, unknown glob of algal sp. (photos)		