

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

Sunny and hot out here on the lake! Calm but terrible motor-boat-slop as a Saturday!

Wonderful **minnows** visible in deep water near surface at east end and also out away from north shore pier. Fishermen are reporting minnows all over the lake and seeking official identification. Unofficially may be shiners of some sort.

Many years ago, emerald green shiners were present around piers throughout lake; one could net bait for fishing easily off piers. One year they all died out possibly due to some chemical impacting the lake water.

Noticed masses of bright green filamentous algae with some bubbles of oxygen covering macrophytes along north shore and these masses are very easily dispersed, i.e., are past their prime. The main algal species noticed are *Mougeotia* (some conjugation observed), *Rhizoclonium*, *Spirogyra* and *Ulothrix*.

Aquatic plants now showing their tops with fruits through the algae are many Long-leaf pondweed (*Potamogeton nodosus*) and a few Claspingleaf pondweed (*Potamogeton richardsonii*). Wild celery (*Vallisneria americana*) is also abundant. Eurasian milfoil seemed underneath the algal masses in these locations along north shore.

I observed one monarch butterfly flying over the lake surface heading south west and was pleased to hear of a friend who saw more than 30 over several days of driving in this area and toward Fox Lake.

CUSTER COLORS

	TIME	SECCHI(FT)	SURFACE TEMP (F)	½ SECCHI & ½ M		LAKE OBSERVATIONS
WEST	1:17	15.5	78	4.0	1.25	MURKY & GREEN
EAST	1:58	13.0	86	3.0	2.0	MURKY & GREEN

AIR: WEST: 89 F; EAST: 90 F

PERCEPTION OF LAKE: 3 "Swimming and aesthetic enjoyment slightly impaired."

NO PLANKTON TOW

HYDROLAB INFORMATION TODAY COLLECTED AT BOTH WEST AND EAST STATIONS TO 25 M.

Depth /	Temp.		DO		DO		SPC		PCY		CHLa		TURB	
	West	East	West	East	West	East	West	East	West	East	West	East	West	East
M	C	C	%		mg/l		mS/cm		cells/ml		u/l		NTU	
1	23	24	86	91	7.0	7.2	481	484	697	876	199	294	2.7	2.8
5	22	23	82	87	6.9	7.3	478	493	1077	1039	381	379	2.9	3.3
10	18	20	35	52	2.7	4.4	495	493	1244	1275	298	247	2.4	2.6
15	9	9	42	31	4.6	4.3	493	497	1040	959	317	219	1.2	1.5
20	7	6	53	50	6.4	6.0	489	493	542	480	195	165	0.8	0.8
25	5	6	57	51	7.0	6.2	489	494	620	679	223	227	0.3	0.7

NOTE:

CHLa: omitted 0.0- before numbers shown in table above as not enough room.

OMITTED: all TDS which was ca. 31.00.

OMITTED pH: usual range of 8.7-7.5. with latter number at lowest depth.