Deer Ridge Lake

Lewis County

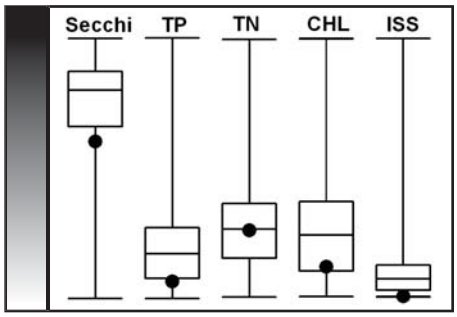
2006 DATA

Date	Secchi (inches)	TP (µg/L)	TN (µg/L)	CHL (µg/L)	ISS (mg/L)
4/24	60	22	840	11.0	1.1
5/17	80	19	710	3.8	1.2
6/2	93	16	730	3.5	0.9
6/26	71	20	690	8.2	0.7
7/16	132	14	680	2.5	0.1
8/7	40	22	690	10.3	0.5
8/28	63	24	690	21.2	0.5
9/20	65	14	680	15.0	1.3
10/9	63	20	770		0.8
Mean	**70**	**19**	**718**	**7.5**	**0.7**

2006 SUMMARY

For the most part, water quality in Deer Ridge Lake was stable during the 2006 sample season. Chlorophyll did range from 2.5 to 21.2 µg/L, but this is common for Missouri reservoirs. In response to the fluctuations in chlorophyll, Secchi transparency also varied; reaching high levels of clarity when chlorophyll dipped below 5.0 µg/L.

Water quality in Deer Ridge Lake is quite nice, especially for a Northern Missouri lake. Phosphorus, chlorophyll, suspended sediments and Secchi transparency in 2006 were better than that found in roughly 75% of Missouri lakes. Nitrogen was a little higher than expected, ranking near the statewide median.



Relative Rank Graph
See page 11 for details

TRENDS

Seasonal trend graphs show just how stable the parameters were in 2006. Again, Secchi did vary in response to low chlorophyll values. Inorganic Suspended Sediments seem highly variable due to the scale used in the graph; values actually only ranged by a little over 1.0 mg/L.