

Longview Lake

Jackson County

2007 DATA



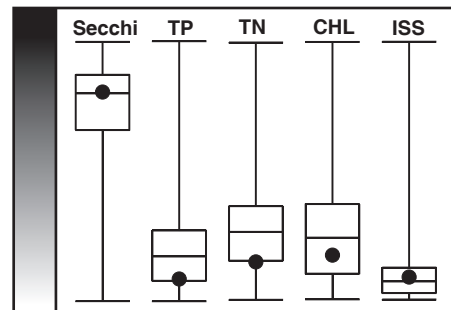
Date	Secchi (inches)	TP (µg/L)	TN (µg/L)	CHL (µg/L)	ISS (mg/L)
5/18	24	51	880	6.7	6.7
6/5	23	38	850	15.6	10.2
6/26	38	19	470	10.0	3.5
7/26	48	22	400	9.9	2.7
8/16	48	16	460	13.2	1.9
9/14	41	17	340	11.8	3.1
10/3	52	14	330	9.0	2.3
Mean	37	23	500	10.6	3.7

2007 SUMMARY

Longview Lake was sampled seven times between May 18 and October 3, 2007.

The nutrient, chlorophyll and sediment concentrations decreased as the season progressed, and the Secchi transparency values increased. This is a typical pattern in reservoirs, and reflects the inflows that occur with springtime rainfall.

While the Secchi value was comparable with the statewide median, nutrient concentrations were lower than seen in 75% of Missouri lakes. Chlorophyll concentrations were between the median and 75th percentile. Sediment concentrations (ISS) were slightly higher than the statewide median.



Relative Rank Graph
See page 11 for details

TRENDS

Long-term chlorophyll concentrations are well below the proposed nutrient criteria. Not even a single seasonal mean has exceeded the criteria to date. The chlorophyll mean was just above the long-term mean in 2007, for the fourth year in a row.

Long-term mean nitrogen and phosphorus concentrations (not shown) are also below the proposed criteria.

While seasonal mean Secchi transparency measurements vary from year to year, the 2007 mean matched the long term value.

