

Longview Lake

Jackson County

2006 DATA

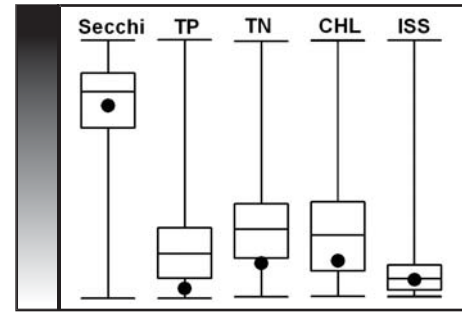


Date	Secchi (inches)	TP (µg/L)	TN (µg/L)	CHL (µg/L)	ISS (mg/L)
5/1	47	14	640	3.7	3.3
5/19	49	12	610	5.5	3.9
6/14	58	12	440	8.2	2.2
7/7	45	17	370	7.0	2.7
7/27	44	13	420	10.7	2.7
8/17	44	15	440	18.8	3.4
9/15	44	12	390	16.4	2.5
Mean	47	14	463	8.7	2.9

2006 SUMMARY

Longview lake's 2006 water quality was characterized by low variability and low concentrations of nutrients. Phosphorus concentrations varied by only 5 µg/L throughout the season, and never exceeded 20 µg/L. Chlorophyll concentrations showed more typical variability. The chlorophyll to phosphorus ratio was low in the early season samples, but was in excess of 1:1 by the end of the season. Suspended sediment concentrations varied little, generally remaining near the state-wide median.

Mean nutrient concentrations were lower than seen in 75% of Missouri lakes, while chlorophyll concentrations and Secchi transparency were among the middle 50%.



Relative Rank Graph
See page 11 for details

TRENDS

The trends graph shows the low variability of phosphorus concentrations in 2006. The 2006 mean phosphorus concentration was well below the overall average for Longview Lake, and the Secchi transparency was considerably greater than average. Chlorophyll concentrations were slightly higher than average (graph not shown).

