

# Longview Lake

Longview Lake is managed by the Jackson County Parks and Recreation Department and is 798 acres in size. The majority of the lake's watershed is considered urban.



Jackson County



Location of Longview Lake

## Descriptive statistics for Longview Lake – 2005

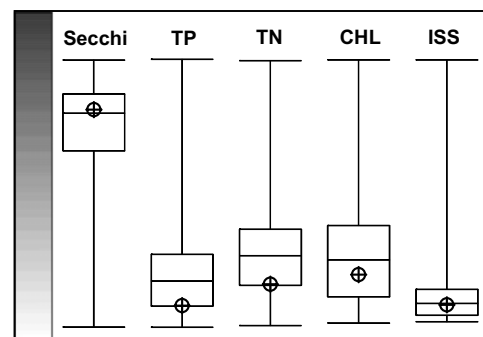
	Secchi (inches)	TP (ug/L)	TN (ug/L)	CHL (ug/L)	ISS (mg/L)
<b>Geometric Mean</b>	36	22	513	11.2	2.9
<b>Minimum</b>	20	17	370	7.9	1.7
<b>Maximum</b>	45	31	760	15.1	8.3
<b>Number of Samples</b>	7	7	7	7	7

Water quality in Longview Lake during 2005 was generally good, with geometric mean values being lower than the statewide median for chlorophyll. Mean nutrient concentrations were lower in 2005 than observed in 75% of Missouri lakes.

Suspended sediment concentrations and Secchi transparency geometric means were near the statewide median. All parameters showed normal variation during the sample season.

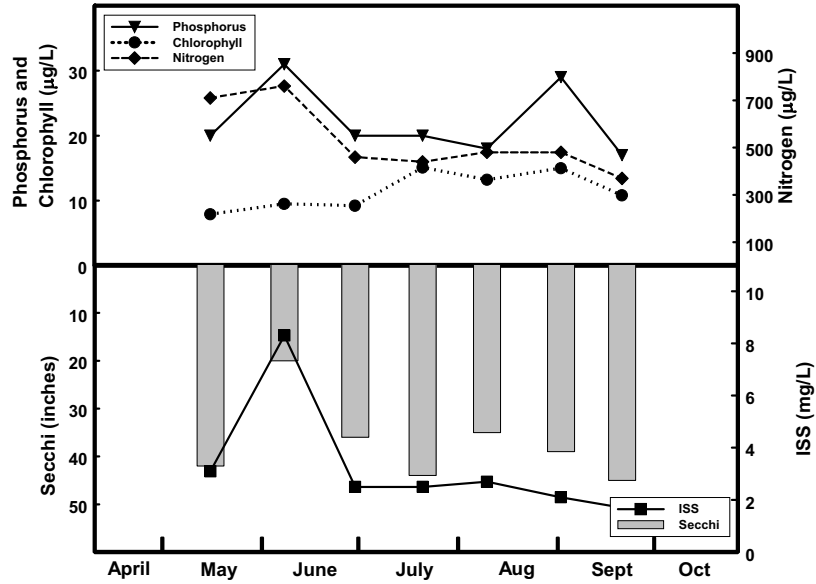
The maximum suspended sediment value corresponded with the maximum phosphorus and nitrogen levels; probably a result of a rain event prior to the early June sampling.

### Relative Rank for Longview Lake



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## Seasonal fluctuations of parameters for Longview Lake – 2005



## Phosphorus and Chlorophyll trends in Longview Lake

While there does not seem to be a long term phosphorus decrease in Longview Lake, there have been fewer observed values over 40µg/L in the last six years than in the years prior.

Chlorophyll concentrations show no trend either. 2005 chlorophyll concentrations were very similar to 2004 concentrations in both magnitude and range.

