

Longview Lake

Region - Osage Plains

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 can be considered urban.

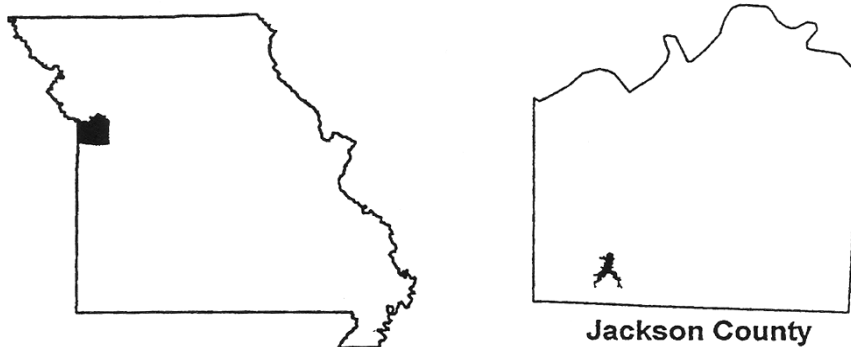


Figure 36. Location of Longview Lake.

2000 Results

Figure 37 shows how the parameters phosphorus, nitrogen, algal chlorophyll, inorganic suspended solids and Secchi transparency varied in Longview Lake during the 2000 sampling season. A brief description of these results are:

- ▶ Eight samples were collected, the first on 5-25 and the last on 9-26.
- ▶ Nitrogen and phosphorus are relatively stable with low variability throughout the season.
- ▶ Parameters did not follow a pattern of correlation to each other as often seen in Missouri reservoirs.
- ▶ See page 77 for long term trend analysis.

Table 18. Descriptive statistics for Longview Lake 2000.

Parameters	Average	Median	Minimum	Maximum
Chlorophyll ($\mu\text{g/L}$)	8.5	9.8	4.9	12.5
Nitrogen ($\mu\text{g/L}$)	459	465	390	530
Phosphorus ($\mu\text{g/L}$)	21	22	15	26
ISS (mg/L)	2.6	2.5	1.7	4.4
Secchi (inches)	39	39	29	45

ISS = Inorganic Suspended Solids

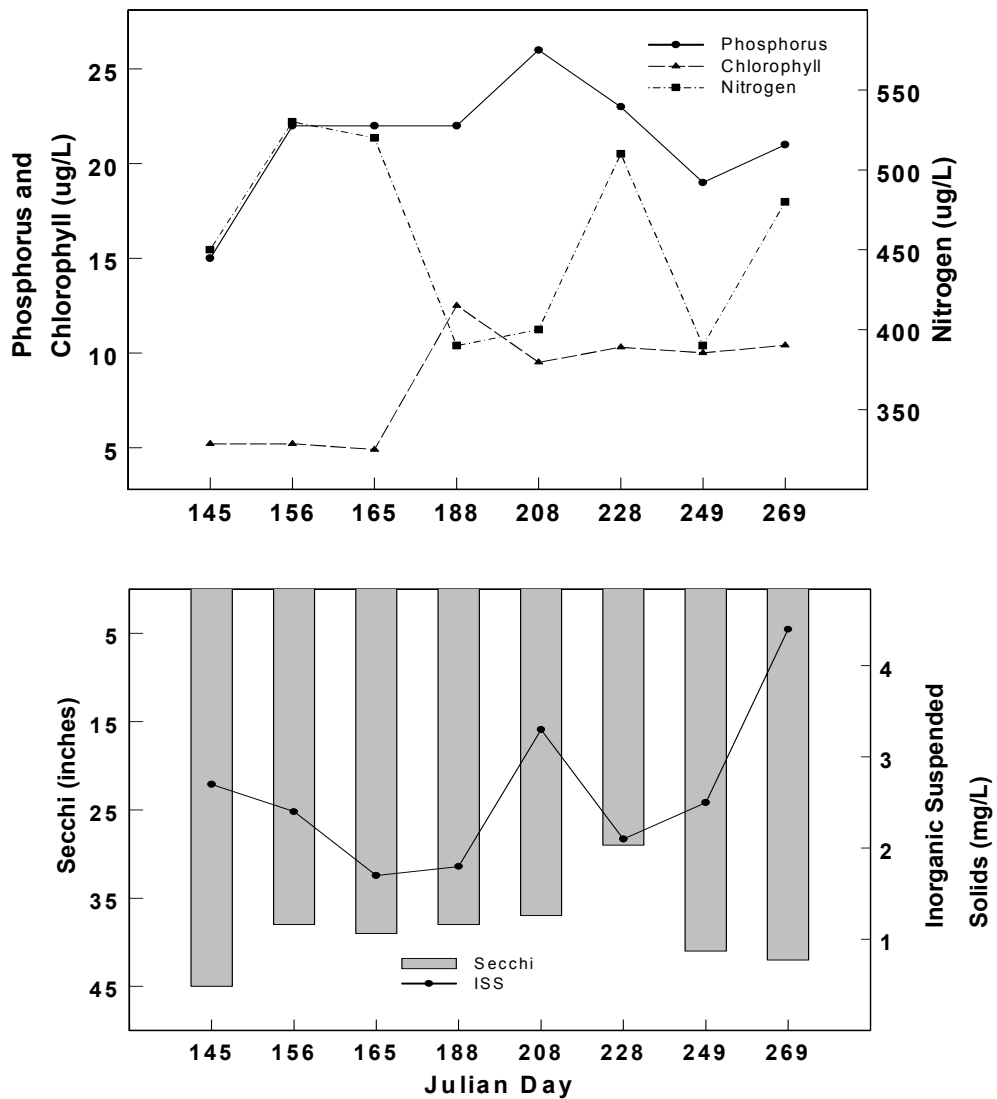


Figure 37. Seasonal fluctuations of parameters for Longview Lake - 2000.