

Lakeview Park Lake

Audrain County

2007 DATA



Date	Secchi (inches)	TP (µg/L)	TN (µg/L)	CHL (µg/L)	ISS (mg/L)
4/27	12	112	1100	47.2	10.8
5/18	15	110	1050	47.8	7.1
6/9	16	109	1010	67.5	6.3
6/29	18	173	1260	30.7	5.2
7/20	10	236	2400	84.9	6.0
8/7	16	218	2080	70.4	5.2
8/25	14	226	1930	88.9	4.8
9/21	10	228	1980	37.1	7.3
Mean	14	167	1520	55.7	6.4

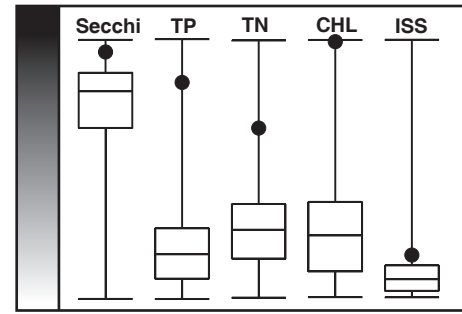
2007 SUMMARY

This 24 acre lake is located in Lakeview Park, in Mexico, Missouri.

Eight samples were collected between April 27 and September 21, 2007. This is the first year that Lakeview Park Lake has been sampled for the Lakes of Missouri Volunteer Program.

Nutrient concentrations were quite high in this lake, with both concentrations of phosphorus and nitrogen higher than observed in more than 75% of Missouri's lakes.

Lakeview Park lake is quite turbid, with a higher 2007 mean chlorophyll concentration than the long-term mean of any Missouri lake. Sediment (ISS) concentrations were also higher than 75% of Missouri lakes. The high turbidity led to very shallow Secchi readings, which averaged just 14 inches in 2007.



Relative Rank Graph
See page 11 for details

TRENDS

Since 2007 was the first complete season of sampling, there are no year to year comparisons to be made.

Within the 2007 sampling season, the Secchi remained fairly stable, varying by only 8 inches. ISS concentrations were highest in the spring and decreased slightly as the season progressed.

Concentrations of both nutrients increased during the season, which is not a typical lake response. Generally, nutrients decrease as the summer season progresses.

