

Lake Jacomo

Jackson County

2007 DATA

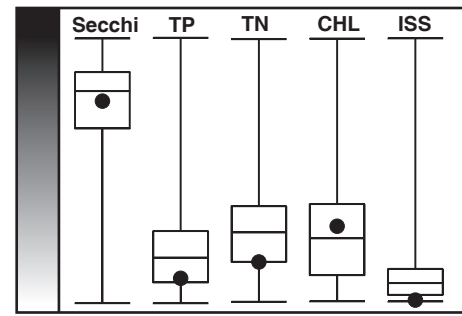


Date	Secchi (inches)	TP (µg/L)	TN (µg/L)	CHL (µg/L)	ISS (mg/L)
6/15	44	17	400	12.8	1.3
6/26	44	26	480	18.2	0.1
7/17	45	28	640	18.0	1.7
8/8	45	28	520	19.0	1.6
Mean	44	24	500	16.8	0.8

2007 SUMMARY

The most variable parameters in Lake Jacomo in 2007 were the nutrients, though the variability observed was notably lower than that seen in many other Missouri reservoirs. Inorganic suspended solids were low and very consistent, while chlorophyll was moderate and stable. The lack of variability in these two parameters led to Secchi readings that only differed by an inch among readings.

Nutrients and inorganic suspended solids values were near the 25% line in the state rankings, indicating lower concentrations than found in 75% of Missouri reservoirs. Chlorophyll ranked higher relative to other Missouri reservoirs, probably due to the lack of ISS, which would increase the light availability for algal photosynthesis.



Relative Rank Graph
See page 11 for details

TRENDS

Both nutrients display similar patterns over the last 16 years, with averages that were generally higher than the long-term mean prior to 1989 and averages lower than the long-term mean since.

The two nutrients are both below proposed nutrient criteria values, though the long-term phosphorus mean is only slightly below criterion value.

