

# Cameron Lake #3

Dekalb County

2006 DATA

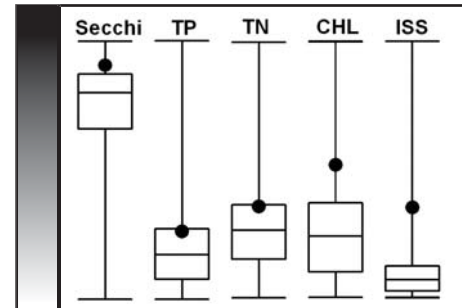


Date	Secchi (inches)	TP (µg/L)	TN (µg/L)	CHL (µg/L)	ISS (mg/L)
4/22	23	37	760	18.9	11.8
5/16	22	40	950	9.9	14.6
6/6	20	45	930	27.2	17.1
6/29	15	158	1090	208.2	14.1
7/19	24	48	940	52.2	10.0
8/30	22	69	850	12.2	11.7
<b>Mean</b>	<b>21</b>	<b>57</b>	<b>914</b>	<b>29.6</b>	<b>13.0</b>

2006 SUMMARY

Nitrogen, inorganic suspended sediments and Secchi transparency showed normal to low amounts of variability during 2006, while phosphorus and chlorophyll both had substantial ranges of concentrations. Variability of phosphorus and chlorophyll was normal, except for a single observation on June 29, where phosphorus was 3 times greater and chlorophyll was 9 times greater than the next highest value.

Chlorophyll and inorganic suspended sediments were in the upper 25th percentile of the state relative rankings, indicating that concentrations in Cameron Lake 3 were higher than those normally found in 75% of Missouri lakes. Nutrients levels were right at the 75% level.



Relative Rank Graph  
See page 11 for details

TRENDS

Chlorophyll was quite variable during past summers, with 2006 displaying extreme fluctuations. None of the parameters showed signs of trending towards changes in water quality in Cameron Lake 3.

