

Lake Jacomo

Jackson County

2006 DATA



Date	Secchi (inches)	TP (µg/L)	TN (µg/L)	CHL (µg/L)	ISS (mg/L)
5/24	66	17	460	8.2	1.5
7/3	46	25	410	28.0	3.0
7/27	42	33	580	33.8	1.7
8/11	42	32	590	33.2	1.6
8/31	40	26	510	30.0	2.1
9/27	56	31	600	12.1	2.2
Mean	48	27	520	21.3	2.0

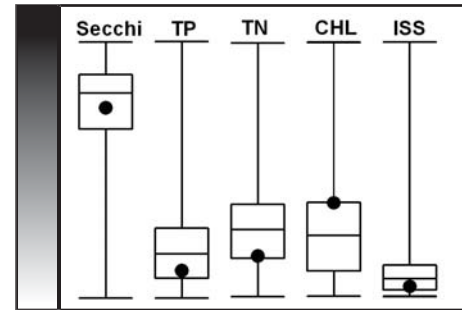
2006 SUMMARY

Six samples were collected from Lake Jacomo between May 24 and September 27.

All parameters were very consistent throughout the growing season, with only chlorophyll varying by more than two-fold.

Chlorophyll concentrations were very high relative to phosphorus during July and August. Chlorophyll to phosphorus ratios were over 1:1 during this two month period, meaning algae were extremely efficient at using the available nutrients.

Lake Jacomo had a higher mean chlorophyll concentration than 75% of Missouri lakes in 2006, yet fewer nutrients and sediments overall than most Missouri lakes.



Relative Rank Graph
See page 11 for details

TRENDS

Chlorophyll concentrations were on the high end for Jacomo, with the 2006 mean roughly 30% higher than the long-term mean. The mean 2006 suspended sediment concentration was lower than the long-term mean for the sixth consecutive year. The mean 2006 phosphorus concentration (graph not shown) was below the long-term mean as well.

