

Little Dixie Lake

Callaway County

2006 DATA



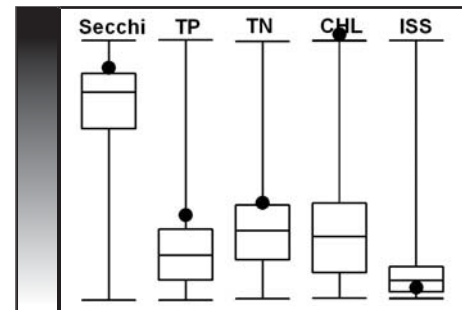
Date	Secchi (inches)	TP (µg/L)	TN (µg/L)	CHL (µg/L)	ISS (mg/L)
5/31	27	78	830	25.4	1.0
7/11	18	68	960	96.3	3.6
8/6	24	64	970	77.6	2.6
9/8	24	68	1030	57.1	1.9
Mean	23	69	944	57.4	2.1

2006 SUMMARY

Four samples were collected from Little Dixie Lake in 2006.

This lake was characterized by low concentrations of suspended sediments in 2006, but high concentrations of nutrients and chlorophyll as well as low Secchi transparency.

Mean 2006 nutrients concentrations were among the highest 25% of Missouri lakes and Little Dixie Lake's mean 2006 chlorophyll concentration was higher than any of the long term values used to create the relative rank scale. The range of chlorophyll values seen in 2006 was higher than observed in the past 5 years.



Relative Rank Graph
See page 11 for details

TRENDS

Chlorophyll concentrations have increased considerably and the range of values observed has been high since 2003. Likewise, Secchi transparency has decreased for the third consecutive year, almost certainly as a result of the increased amount of algae.

