

Little Dixie Lake

Callaway County

2007 DATA



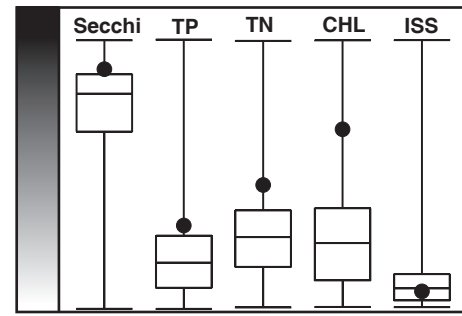
Date	Secchi (inches)	TP (µg/L)	TN (µg/L)	CHL (µg/L)	ISS (mg/L)
5/25	19	46	760	26.4	4.0
6/26	18	74	1020	42.0	1.9
8/2		90	1200	40.9	2.9
9/9	38	62	1680	44.6	2.3
Mean	24	66	1120	37.7	2.7

2007 SUMMARY

Four samples were collected at Little Dixie Lake in 2007 from May 25 through September 9.

Little Dixie Lake has higher nutrient and chlorophyll concentrations than found in over 75% of Missouri lakes, and three fourths of Missouri lakes have greater Secchi transparency. Sediments (ISS) were comparable to the statewide median.

The May 25 sample had the lowest nutrient and chlorophyll concentrations, and yet also had the least transparency. ISS concentrations peaked on that same day, and likely contributed to the low Secchi clarity.



Relative Rank Graph
See page 11 for details

TRENDS

Little Dixie Lake has seen increasing phosphorus and nitrogen concentrations since 1999, when sampling began. Concentrations of both nutrients have edged upward steadily and could soon push the long-term mean above the proposed nutrient criteria values for phosphorus and chlorophyll (not shown). The Secchi transparency values have decreased consistently over the past 9 years.

