

Blue Springs Lake

Jackson County

2007 DATA

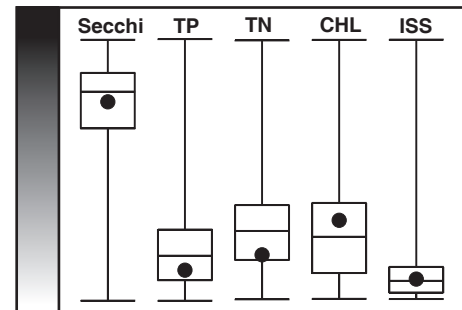


Date	Secchi (inches)	TP (µg/L)	TN (µg/L)	CHL (µg/L)	ISS (mg/L)
4/23	55	27	590	25.0	3.6
5/16	56	29	530	6.6	3.4
6/5	45	32	560	20.3	3.8
6/25	52	23	410	5.7	2.1
7/17	46	25	520	15.3	3.1
8/6	32	29	580	34.4	4.0
8/27	44	28	470	26.4	2.6
9/17	34	40	750	37.4	4.4
Mean	45	29	540	17.8	3.3

2007 SUMMARY

The eight samples collected from Blue Springs Lake in 2007 indicate that nutrient concentrations, inorganic suspended solids levels and Secchi clarity were quite stable during the five month sample period. Even though nutrients remained stable, chlorophyll fluctuated by a factor >6. These data highlight the variable nature of algal chlorophyll in Missouri lakes.

All parameters with the exception of chlorophyll were at or below the statewide median values. Mean 2007 chlorophyll was above the median, but below the 75th percentile.



Relative Rank Graph
See page 11 for details

TRENDS

Since 1992, phosphorus and nitrogen have displayed similar year-to-year patterns, with a slight peak in concentrations in 1996.

Currently there are no identifiable trends in water quality in Blue Springs Lake.

Comparison of long-term mean nutrient values (horizontal lines) and the proposed nutrient criteria (top of white background) show that nutrient levels in Blue Springs Lake are well below proposed nutrient criteria.

