

Blue Springs Lake



2009 DATA

Jackson County
 Latitude: 39.0164 Longitude: -94.3375

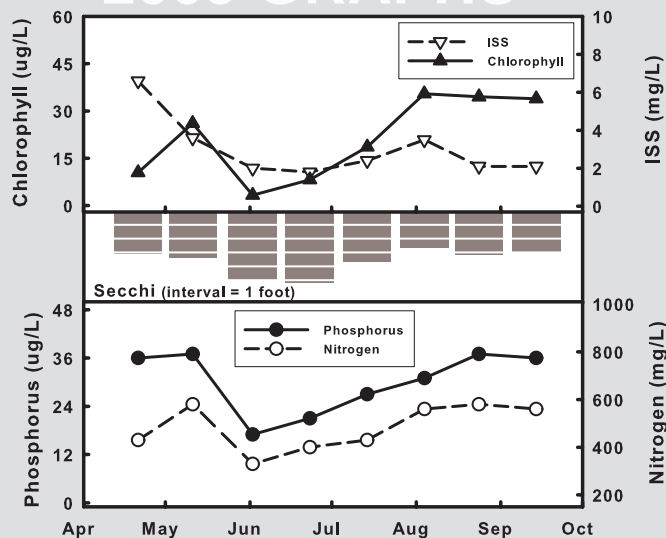
Date	4/21	5/11	6/2	6/23	7/14	8/4	8/24	9/14	Mean
Secchi (inches)	37	40	60	62	44	32	38	36	42
TP (µg/L)	36	37	17	21	27	31	37	36	29
TN (µg/L)	430	580	330	400	430	560	580	560	475
CHL (µg/L)	10.5	26.1	3.3	8.2	18.6	35.5	34.5	33.9	16.6
ISS (mg/L)	6.6	3.6	2.0	1.8	2.4	3.5	2.1	2.1	2.7

Water quality in Blue Springs Lake has historically shown low variability (relative to other Missouri lakes) due to its placement directly down-stream from Lake Jacomo. Data from 2009 indicate another stable season, with only chlorophyll displaying any notable variability (10-fold difference between minimum and maximum values). An interesting feature in the 2009 data was the low nutrient levels measured in early June. Minimum nutrient values in Missouri lakes tend to occur later in the summer, after nutrients have been lost to deep water through sedimentation.

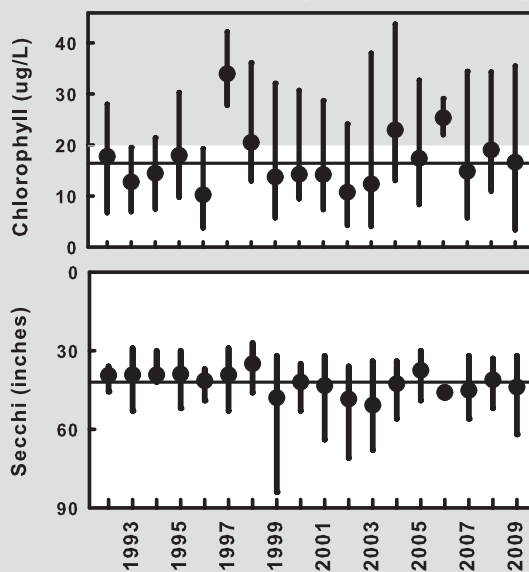
mean values, underlining the lack of water quality trends in Blue Springs Lake. Long-term average chlorophyll is below the calculated criteria level (shaded area on trend graph).

The 2009 summertime mean values for chlorophyll and Secchi transparency (as well as the other parameters) were at the long-term

2009 GRAPHS



TREND GRAPHS



See pages 10-11 for help interpreting graphs