

Spring Fork Lake

Pettis County

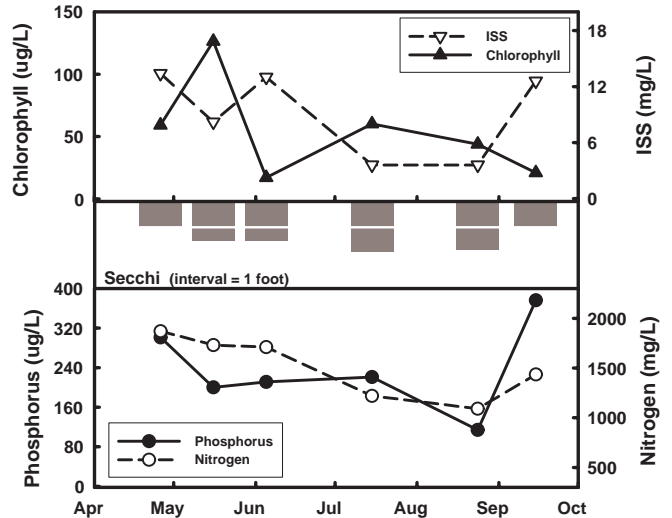
2008 DATA



Date	Secchi (inches)	TP (µg/L)	TN (µg/L)	CHL (µg/L)	ISS (mg/L)
4/26	12	301	1870	59.2	13.4
5/16	18	200	1730	126.4	8.2
6/5	18	211	1710	17.1	13.0
7/15	23	221	1220	60.2	3.6
8/24	22	114	1090	43.8	3.6
9/15	12	376	1435	21.0	12.6
Mean	17	222	1481	43.8	7.8

2008 SUMMARY

Average phosphorus and nitrogen concentrations were both extremely high in 2008, with large ranges of individual values (262µg/L for phosphorus and 780µg/L for nitrogen). High nutrient levels account for the substantial algal chlorophyll values measured in 2008, though chlorophyll concentrations never achieved levels that approached maximum potential based on nutrient values. There were no obvious seasonal trends in any of the water quality parameters.



TRENDS

The summertime mean phosphorus values for the three years that Spring Fork has been monitored are similar, indicating no trend for changing phosphorus levels. The range of values within the individual years was variable, with 2008 displaying the greatest range. In contrast, nitrogen levels in 2008 were notably higher than those measured in 2004 and 2005.

