

Cameron City Lake #3



2010 DATA

Dekalb County
 Latitude: 39.7734 Longitude: -94.2717

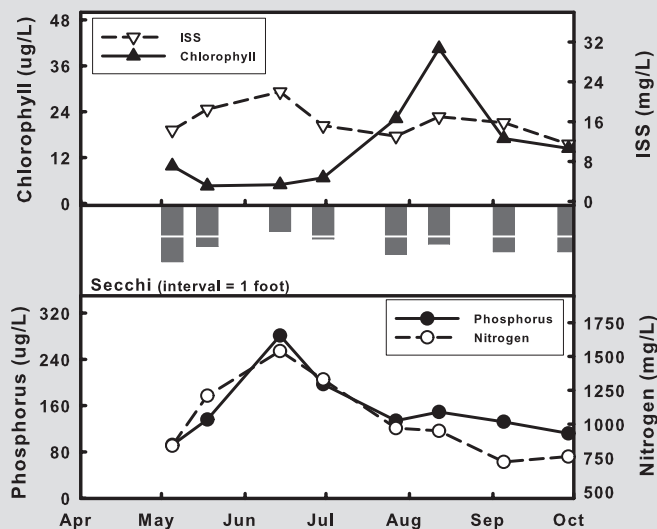
Date	5/5	5/18	6/14	6/30	7/27	8/12	9/5	9/29	Mean
Secchi (inches)	22	16	10	13	19	15	18	18	16
TP (µg/L)	92	136	281	197	134	149	132	112	146
TN (µg/L)	840	1210	1540	1330	970	950	720	760	1006
CHL (µg/L)	9.8	4.6	4.9	6.7	22.2	40.5	17.0	14.4	11.6
ISS (mg/L)	14.3	18.5	22.0	15.2	13.1	17.0	15.8	11.5	15.6

Water quality parameters in Cameron City Lake #3 followed different patterns over the course of the 2010 sample season. Both nutrients peaked in mid-June with concentrations decreasing consistently during the remainder of the season. In contrast, algal chlorophyll levels were low in the early part of the sample season and peaked in August. In many Missouri lakes a mid to late-season peaks in chlorophyll relates to a decline in the suspended sediment concentrations. This was not the case in Cameron #3, as inorganic suspended sediment values were high throughout the sample season.

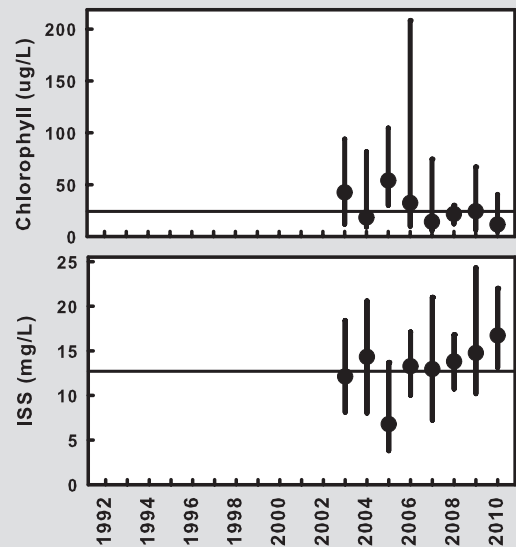
was the highest we have measured (highest average, but not the highest individual value). These higher levels of suspended sediment may help explain the lower levels of algal chlorophyll measured in 2010.

The average inorganic suspended sediment concentration during the summer of 2010

2010 GRAPHS



TREND GRAPHS



See pages 10-11 for help interpreting graphs