

# Cameron City Lake #3



## 2011 DATA

Dekalb County  
Latitude: 39.7734 Longitude: -94.2717

Date	4/27	5/16	6/15	6/28	7/18	8/18	8/31	9/27	Mean
Secchi (inches)	19	21	16	12	20	29	21	17	19
TP (µg/L)	120	78	117	121	113	146	157	115	119
TN (µg/L)	980	1140	1310	1130	830	870	920	750	976
CHL (µg/L)	4.4	5.3	20.6	21.9	36.9	10.9	37.8	45.8	20.8
ISS (mg/L)	16.1	14.7	18.4	17.4	18.9	10.0	13.7	20.7	15.9

Water clarity was low in Cameron City Lake #3 during the 2011 sampling season. Only once did clarity exceed 2 feet and the average was about 1.5 feet.

Suspended sediment and total phosphorus values were quite high during 2011. Total nitrogen values, while higher than the Missouri statewide mean, were lower than expected given the phosphorus values and remained stable throughout the season. Because of shading by suspended sediment algal chlorophyll concentrations were lower than expected from such a phosphorus-rich lake.

Over the last 9 years, water clarity and suspended sediment have varied little. Total phosphorus values appear to be trending

upward. The ratio of nitrogen to phosphorus appears to be decreasing as nitrogen values have remained stable for the past 9 years. Algal chlorophyll concentrations have not changed significantly in the last 9 years.

