

Creve Coeur Lake



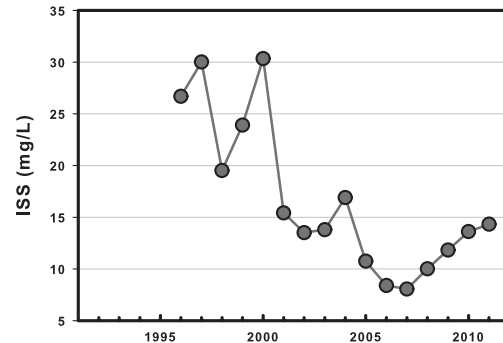
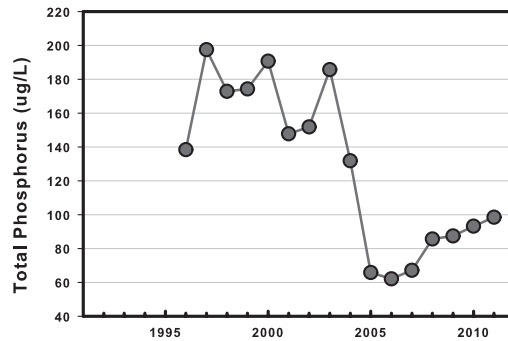
2011 DATA

Saint Louis County
Latitude: 38.7222 Longitude: -90.4911

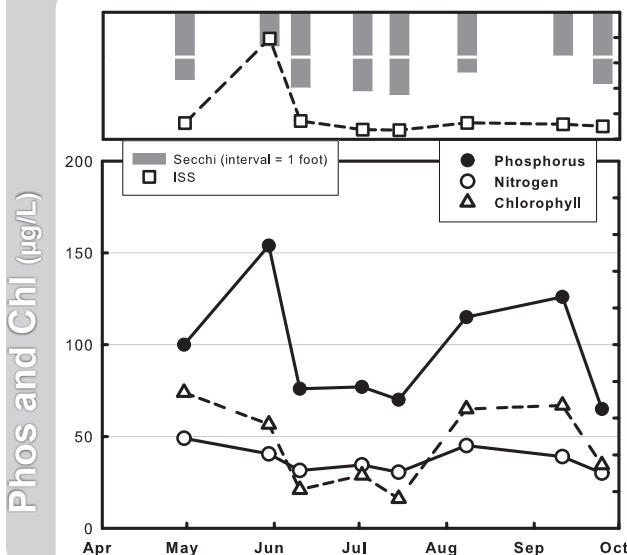
Date	4/30	5/30	6/10	7/2	7/15	8/8	9/11	9/25	Mean
Secchi (inches)	18	9	20	21	22	16	12	19	16
TP (µg/L)	100	154	76	77	70	115	126	65	94
TN (µg/L)	980	810	630	690	610	900	780	600	739
CHL (µg/L)	73.9	56.6	21.0	28.9	16.1	64.9	66.9	34.5	39.7
ISS (mg/L)	12.6	79.2	14.2	7.4	7.0	12.8	11.6	10.0	13.5

The concentration of suspended sediment (ISS) on 5/30/11 was the highest single ISS reading observed at Creve Coeur Lake to date. The average water clarity (Secchi) in 2011 was typical for Creve Coeur (16 inches), but quite low for a Missouri lake.

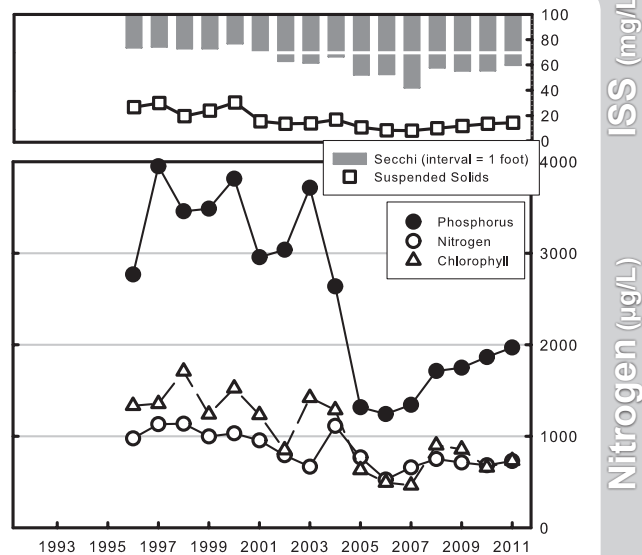
Lake improvement projects were completed in 2004. The lake was dredged and a new lake built to capture sediment that would otherwise flow into Creve Coeur Lake. The lake shows dramatically lower concentrations of both ISS and total phosphorus. However, concentrations of both are slowly trending back upward. The seasonal mean total phosphorus concentration was 50% higher in 2011 than in 2006; mean suspended sediment was 75% higher. Long-term graphs for each are shown enlarged to the right.



2011 GRAPHS



TREND GRAPHS



See page 3 for help interpreting graphs