

# Lick Creek Lake



## 2011 DATA

Boone County

Latitude: 39.1510

Longitude: -92.3852

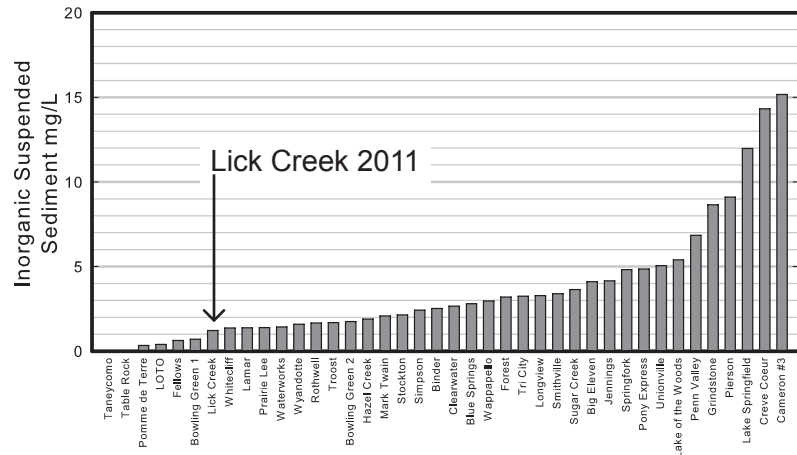
Date	4/29	5/18	X	7/2	7/23	8/13	9/3	9/23	Mean
Secchi (inches)	51	80		85	75	40	74	48	62
TP (µg/L)	28	17		16	18	28	30	33	23
TN (µg/L)	470	420		530	470	720	640	690	552
CHL (µg/L)	9.3	2.7		4.4	7.7	26.4	12.9	24.1	9.5
ISS (mg/L)	3.2	1.3		1.1	1.1	1.9	0.9	1.4	1.4

Water clarity at Lick Creek Lake averaged over 5 feet for the 2011 sampling season. This is well above the statewide average and quite good for a north Missouri lake, which tend to have low clarity. Suspended sediment concentrations were low (see graph, right), likely due to the largely forested watershed.

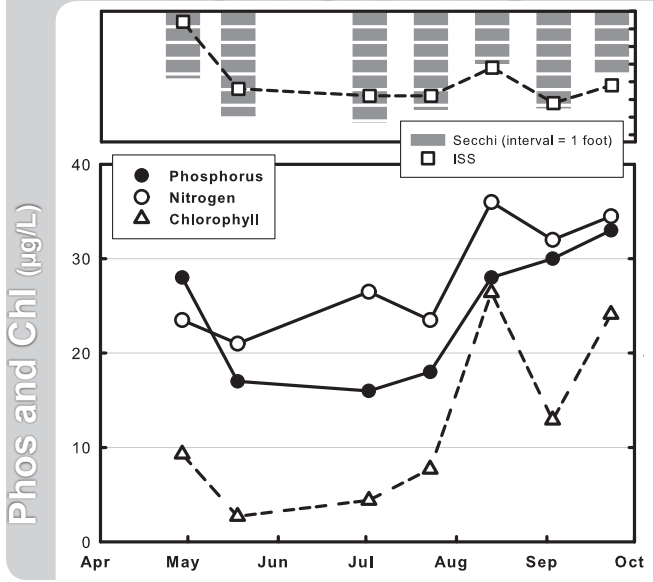
Concentrations of both nutrients and chlorophyll generally increased through the sample season. The chlorophyll concentration was unusually high on August, 23. According to the volunteer comments, this could be either blue-green algae or macrophyte (rooted plant) particles, both of which were present.

Long-term data show that 2011 was a typical year at Lick Creek Lake, unlike 2010 which had exceptionally high mean phosphorus and chlorophyll values.

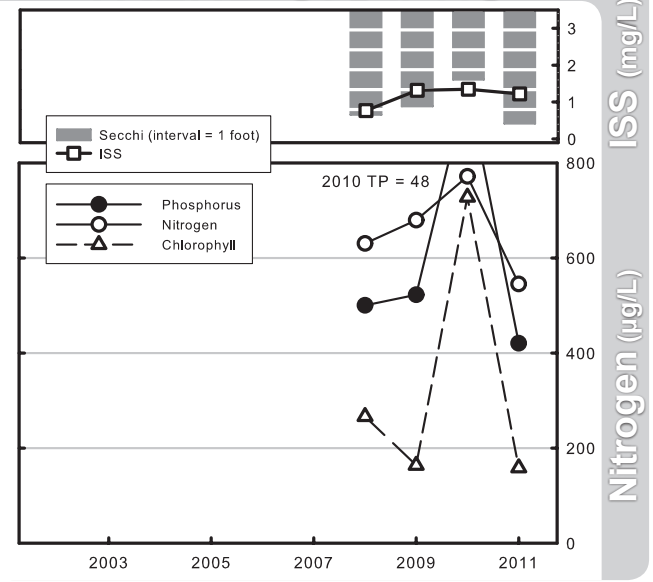
### 2011 Summer Mean ISS Values



### 2011 GRAPHS



### TREND GRAPHS



See page 3 for help interpreting graphs