

Blue Springs Lake



2011 DATA

Jackson County
 Latitude: 39.0164 Longitude: -94.3375

Date	4/29	5/17	6/6	6/27	7/21	8/8	8/30	9/20	Mean
Secchi (inches)	36	52	64	36	32	51	40	40	43
TP (µg/L)	32	23	23	34	31	27	35	40	30
TN (µg/L)	680	520	390	490	560	480	540	570	523
CHL (µg/L)	5.2	5.9	8.5	22.6	26.8	20.6	28.9	32.5	15.3
ISS (mg/L)	6.7	2.7	2.4	2.7	3.4	1.2	6.8	3.4	3.2

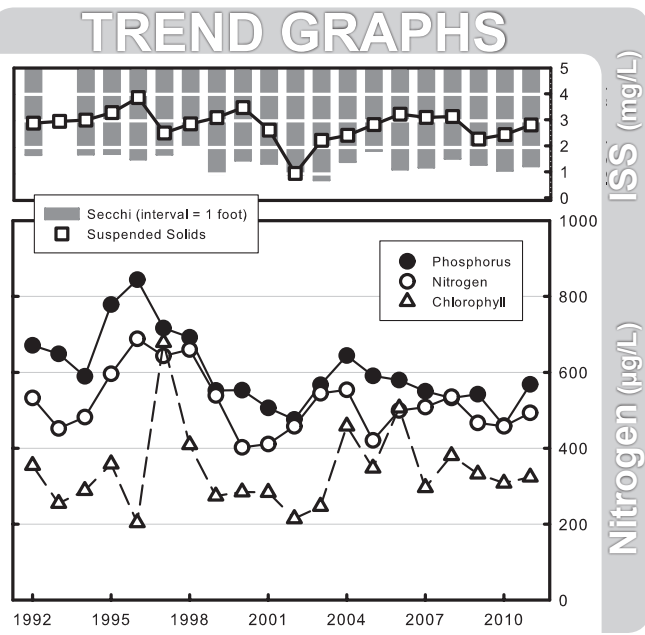
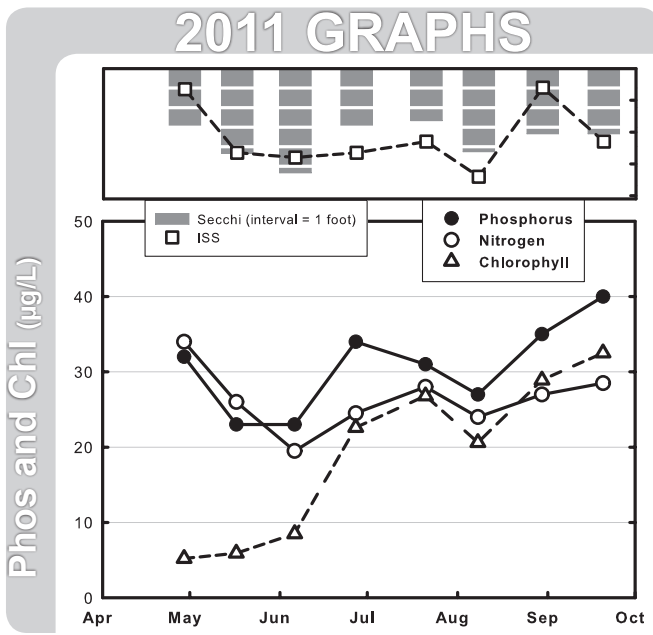
With 20 years of continuous monitoring, Blue Springs Lake is among the most sampled of LMVP lakes.

Water clarity consistently averages between 3 and 4 feet each season at Blue Springs Lake. Throughout the 2011 season, clarity ranged from nearly 3 feet to over 5 feet.

Nutrients (phosphorus and nitrogen) and sediment (ISS) were generally stable through the entire 2011 season, varying by less than a factor of 2. Chlorophyll, on the other hand, varied by more than a factor of 6 from an early season low of 5.2 ug/L to an end-of-season high of 32.5 ug/L.

Average summer phosphorus values have

been less than 30 ug/L for the past 5 years. Nitrogen values track phosphorus values at just under a 20:1 ratio. Chlorophyll concentrations have remained below 20 ug/L for 16 of the 20 monitored years.



See page 3 for help interpreting graphs