

# Cameron Lake #3

Dekalb County

2008 DATA

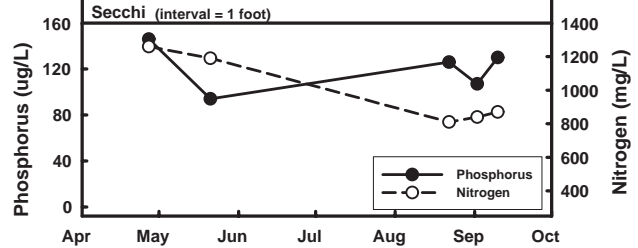
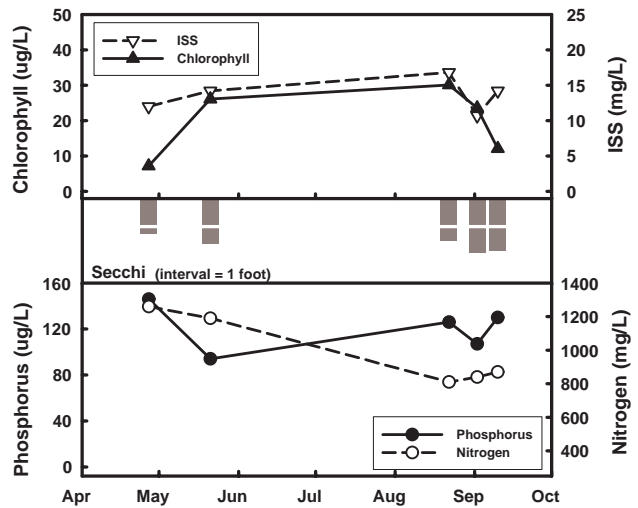


Date	Secchi (inches)	TP (µg/L)	TN (µg/L)	CHL (µg/L)	ISS (mg/L)
4/27	15	146	1260	7.2	12.0
5/21	19	94	1190	26.1	14.2
8/22	18	126	810	30.1	16.8
9/2	23	107	840	23.6	10.7
9/10	22	130	870	12.1	14.2
<b>Mean</b>	<b>19</b>	<b>119</b>	<b>976</b>	<b>17.4</b>	<b>13.4</b>

2008 SUMMARY

Data were not collected evenly throughout the 2008 season. No samples were collected mid-season and 3 samples were collected weekly at the end of the season.

Chlorophyll varied four-fold throughout the season, while all other parameters varied less. The low variability of several parameters may be partially explained by the large mid-season data gap. ISS concentrations were quite high, averaging 13.4 mg/L during the 2008 sampling season. The low ratio of chlorophyll to phosphorus, coupled with the high ISS values indicates that the algae were likely shaded by sediments throughout the season, limiting their growth.



TRENDS

Means of all parameters in 2008 were similar to their respective long-term means. Chlorophyll variability was lower in 2008 than in previous years, likely due to the mid-season data gap. ISS concentrations remain high at Cameron Lake #3, with seasonal means above 10 mg/L every year but one. While phosphorus concentrations were high in 2008, nitrogen concentrations remained below the long-term mean. The 2008 mean Secchi transparency was comparable to the long-term mean.

