

Fellows Lake



2010 DATA

Greene County
 Latitude: 37.3147 Longitude: -93.2280

Date	X	5/22	6/12	7/2	7/22	8/14	9/4	9/25	Mean
Secchi (inches)		112	146	91	104	84	67	80	95
TP (µg/L)		9	6	6	14	9	17	14	10
TN (µg/L)		370	290	290	370	250	270	370	312
CHL (µg/L)		5.1	2.8	2.8	2.7	4.4	9.9	10.7	4.7
ISS (mg/L)		0.6	0.3	0.9	0.6	0.9	1.2	0.9	0.7

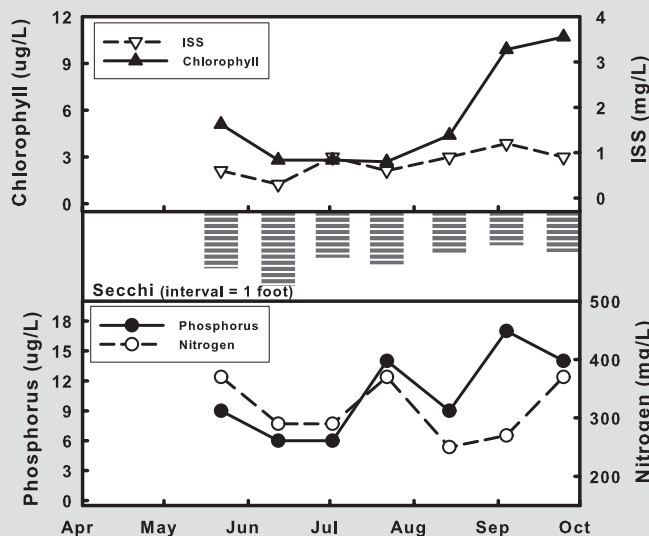
Phosphorus and nitrogen concentrations followed the same general pattern through the 2010 sample season. While the fluctuations of nutrient concentrations suggest that inputs into the lake were affecting water quality, the shifts in nutrient levels were relatively small. Algal chlorophyll values were stable through the majority of the season, with a late peak during September that corresponded to higher phosphorus levels. Inorganic suspended sediment values were low, with only one value exceeding 1mg/L.

define the expected variability of water quality within seasons, year to year variation, and identify any long-term trends in water quality.

Fellows Lake was also sampled in 2008, with water quality that was similar to that measured in 2010. Continued sampling will help

2010 GRAPHS

TREND GRAPHS



See pages 10-11 for help interpreting graphs