

Longview Lake



2010 DATA

Jackson County
Latitude: 38.9210 Longitude: -94.4661

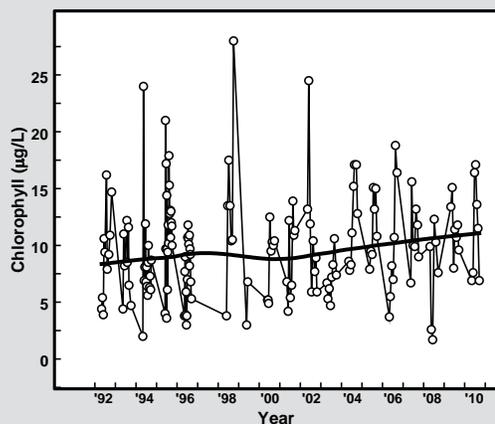
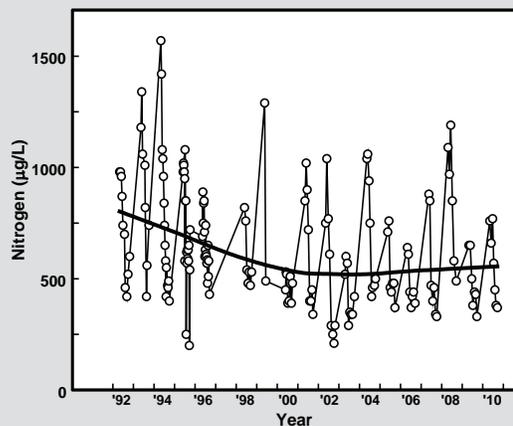
Date	X	5/4	5/28	6/24	7/13	8/5	8/24	9/17	Mean
Secchi (inches)		37	47	17	25	43	47	42	35
TP (µg/L)		30	22	75	34	25	21	17	28
TN (µg/L)		760	660	770	570	450	380	370	543
CHL (µg/L)		6.9	7.6	16.4	17.1	13.6	11.5	6.9	10.7
ISS (mg/L)		4.9	4.0	9.1	7.6	3.4	2.5	3.2	4.5

Nutrients, inorganic suspended sediment and algal chlorophyll all followed the same general pattern during the 2010 sample season, all peaking to maximum levels in June. The amount of variation in the data was normal, with nitrogen ranging about 2-fold, phosphorus 4-fold, and suspended sediment about 4-fold. Chlorophyll was more stable than we normally find, with only a 2.5-fold difference between the minimum and maximum.

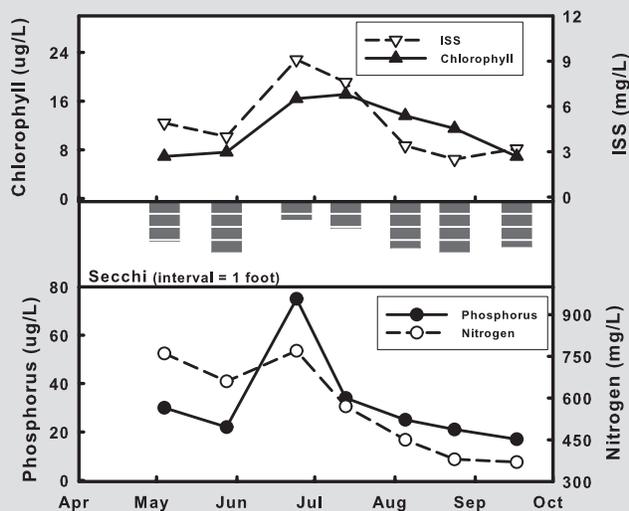
Longview Lake has been monitored in 18 of the last 19 years. Water quality in this lake has always displayed notable variability, both within individual years and among years. The accompanying graphs show how nitrogen and chlorophyll have fluctuated during the last two decades. The symbols represent values from individual sample dates, with the thin line connecting data points in chronologi-

cal order. The thicker line shows the general long-term pattern within the data. Nitrogen levels in Longview Lake declined through the mid-1990s and have been fairly stable since. In contrast, chlorophyll concentrations have shown a slight long-term increase. None of the other water quality parameters displayed any long-term trends.

TREND GRAPHS



2010 GRAPHS



See pages 10-11 for help interpreting graphs