

Clearwater Lake Site 1



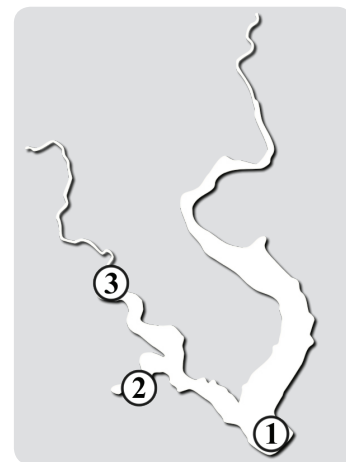
2011 DATA

Reynolds and Wayne County
 Latitude: 37.1376 Longitude: -90.7744

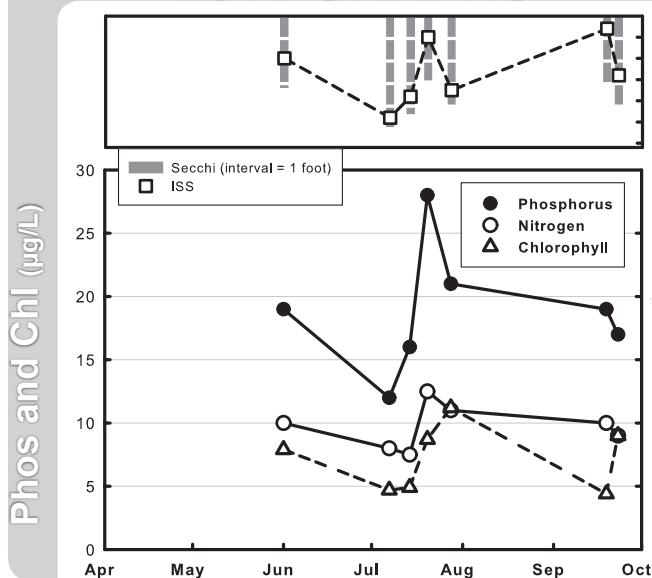
Date	X	6/1	7/7	7/14	7/20	7/28	9/19	9/23	Mean
Secchi (inches)		38	60	52	34	48	35	48	44
TP (µg/L)		19	12	16	28	21	19	17	18
TN (µg/L)		200	160	150	250	220	200	180	192
CHL (µg/L)		7.9	4.7	4.9	8.7	11.2	4.4	9.0	6.8
ISS (mg/L)		4.0	1.2	2.2	5.0	2.5	5.4	3.2	3.0

At all sites on Clearwater Lake during the 2011 sampling season, the data are biased toward the month of July. And at all sites, the variability observed during July was considerable, with maximum and minimum values for Secchi transparency, total phosphorus and total nitrogen occurring during the month. ISS values peaked on 9/19 at all Clearwater sites. As a result, it is difficult to draw any conclusions about the rest of the season, except to say that most of the remaining 2011 data fell between the highs and lows observed in July.

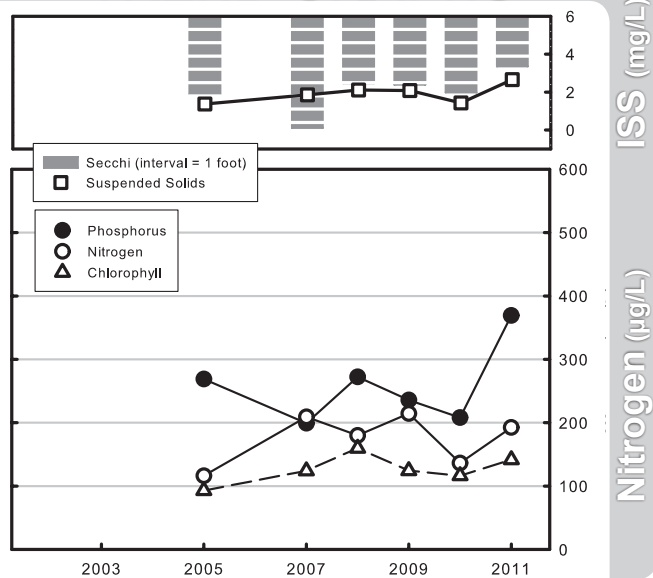
Average water clarity was lower and the average suspended sediment and total phosphorus concentrations were higher in 2011 than in any previously monitored year. Nonetheless, the long-term data do not indicate any water quality trends.



2011 GRAPHS



TREND GRAPHS



See page 3 for help interpreting graphs

Clearwater Lake Site 2



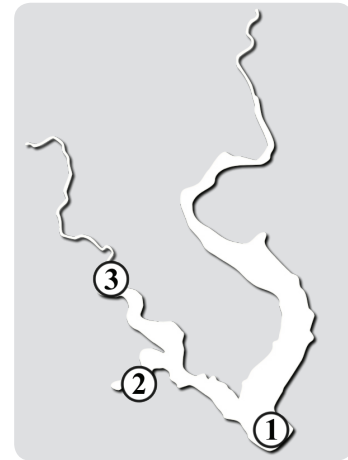
Reynolds and Wayne County
 Latitude: 37.1478 Longitude: -90.8069

2011 DATA

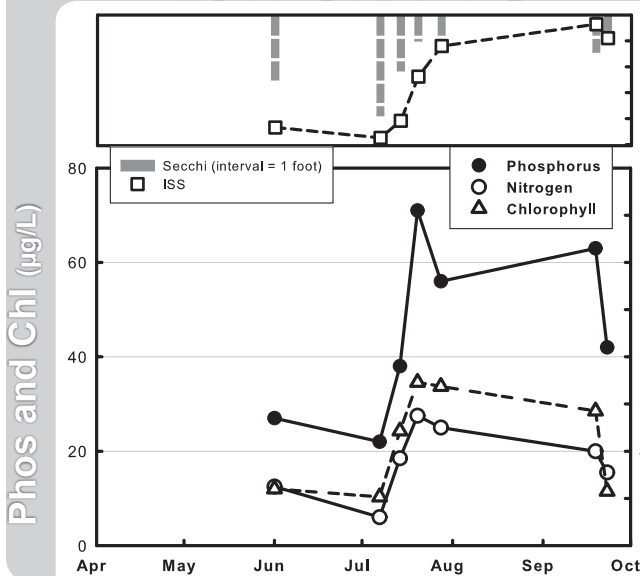
Date	X	6/1	7/7	7/14	7/20	7/28	9/19	9/23	Mean
Secchi (inches)		36	54	30	14	15	20	15	23
TP (µg/L)		27	22	38	71	56	63	42	42
TN (µg/L)		250	120	370	550	500	400	310	324
CHL (µg/L)		12.0	10.3	24.3	34.6	33.7	28.5	11.5	19.7
ISS (mg/L)		3.3	1.3	4.6	13.1	19.0	23.2	20.5	8.1

At all sites on Clearwater Lake during the 2011 sampling season, the data are biased toward the month of July. And at all sites, the variability observed during July was considerable, with maximum and minimum values for Secchi transparency, total phosphorus and total nitrogen occurring during the month. ISS values peaked on 9/19 at all Clearwater sites. As a result, it is difficult to draw any conclusions about the rest of the season, except to say that most of the remaining 2011 data fell between the highs and lows observed in July.

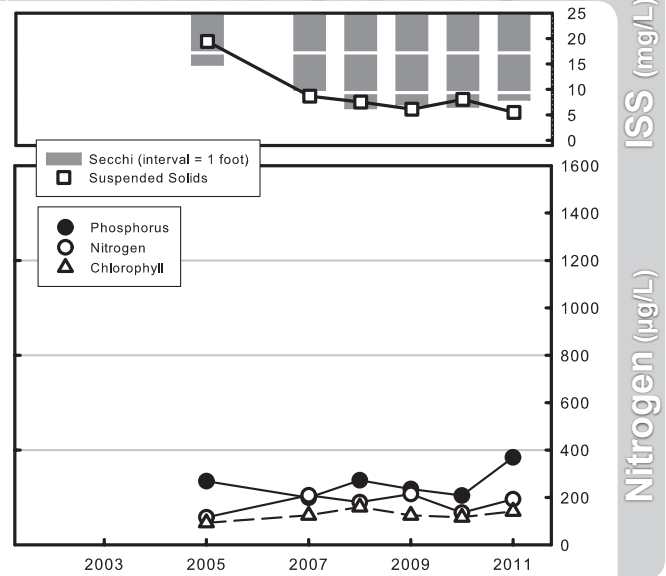
The long-term data do not indicate the presence of any trends,



2011 GRAPHS



TREND GRAPHS



See page 3 for help interpreting graphs

Clearwater Lake Site 3



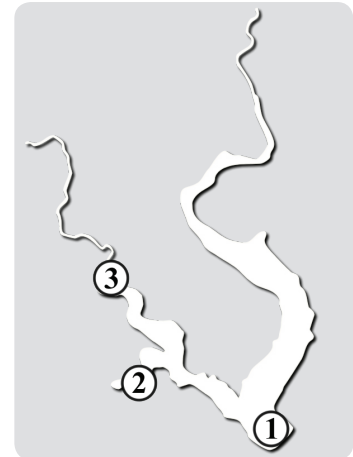
2011 DATA

Reynolds and Wayne County
 Latitude: 37.1664 Longitude: -90.8116

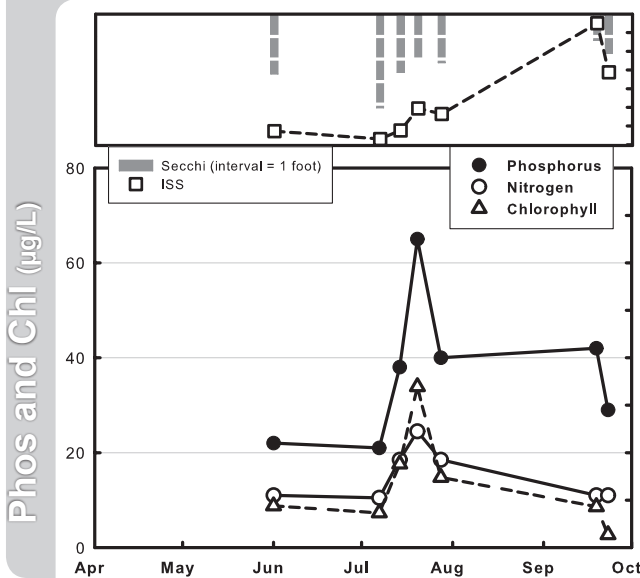
Date	X	6/1	7/7	7/14	7/20	7/28	9/19	9/23	Mean
Secchi (inches)		32	50	31	24	26	14	21	26
TP (µg/L)		22	21	38	65	40	42	29	34
TN (µg/L)		220	210	370	490	370	220	220	284
CHL (µg/L)		8.8	7.3	17.6	33.9	14.8	8.6	2.7	10.4
ISS (mg/L)		3.6	1.5	3.8	9.7	8.2	32.5	19.4	7.2

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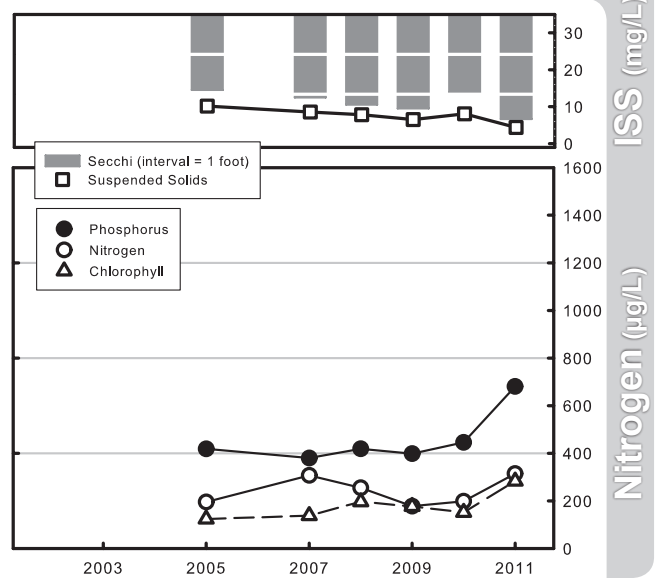
The long-term data do not indicate the presence of any trends.



2011 GRAPHS



TREND GRAPHS



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