

Bull Shoals Lake



Site 7



2011 DATA

Taney County and Ozark County
 Latitude: 36.5017 Longitude: -92.9300

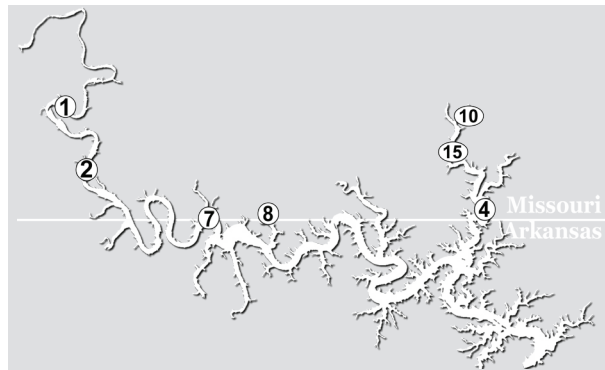
Date	X	5/17	6/6	6/28	7/19	8/9	X	9/19	Mean
Secchi (inches)		104	144	133	174	108		119	128
TP (µg/L)		15	13	13	10	11		13	12
TN (µg/L)		520	240	290	250	120		320	265
CHL (µg/L)		7.9	4.5	4.9	3.7	6.6		9.6	5.9

Only 2 Bull Shoals Lake sites were monitored in 2011. Site 7 is in the main lake near Elbow Creek.

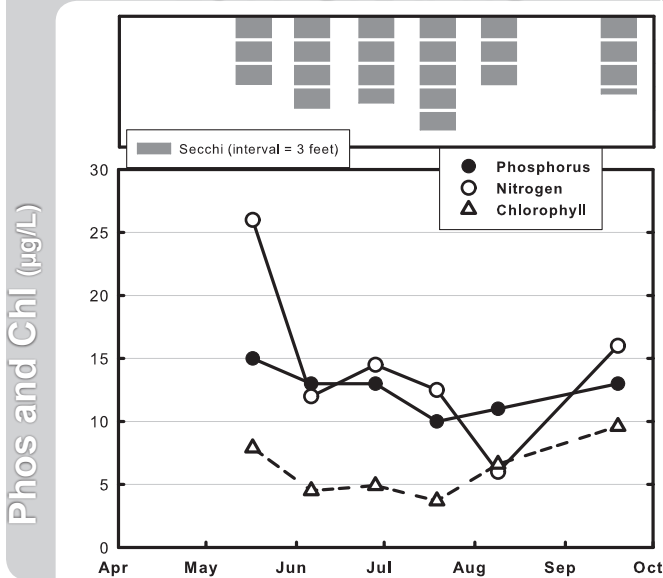
Water clarity was greater than 9 feet for most of the season and greater than 14 feet on one occasion. High water clarity can be attributed to the extremely low suspended sediment (ISS not measured at Bull Shoals) and chlorophyll concentrations. Phosphorus values were stable in 2011, varying by less than 5 µg/L during the sampling season. Nitrogen varied more than phosphorus, fluctuating more than 4-fold.

Average clarity at this site has historically been quite high, exceeding 10 feet during most years. Phosphorus values have been

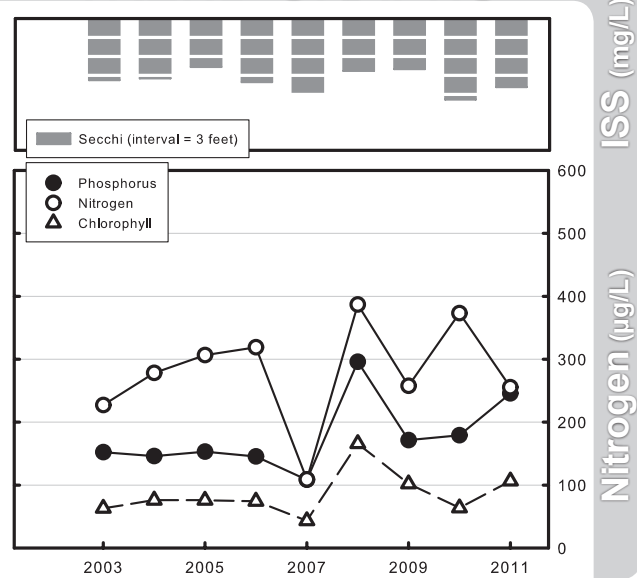
slightly higher during the past 4 years, and are the likely cause for the small increase in chlorophyll observed during that time. The seasonal average nitrogen value was surprisingly low in 2007.



2011 GRAPHS



TREND GRAPHS



See page 3 for help interpreting graphs

Bull Shoals Lake



Site 8



Taney County and Ozark County
 Latitude: 36.4983 Longitude: -92.8667

2011 DATA

Date	X	5/17	6/6	6/28	7/19	8/9	X	9/19	Mean
Secchi (inches)		108	150	131	166	119		107	128
TP (µg/L)		17	11	11	11	11		12	12
TN (µg/L)		560	320	270	260	220		270	301
CHL (µg/L)		7.1	4.3	3.8	2.7	6.4		7.7	5.0

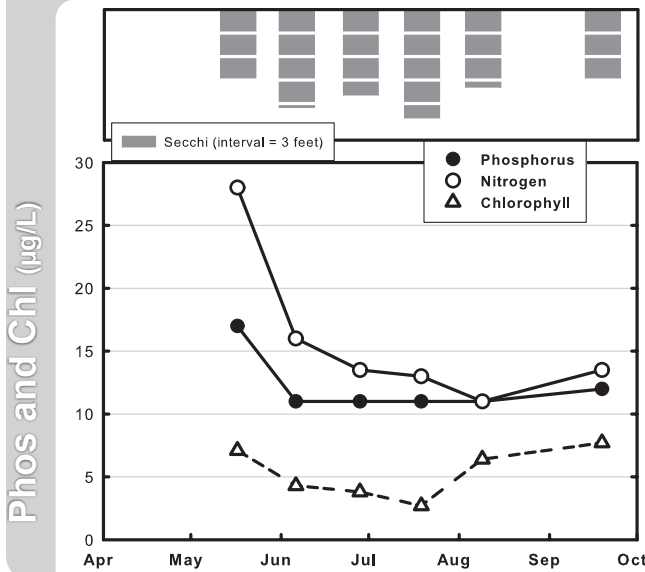
Site 8 is located in the Shoal Creek arm of Bull Shoals Lake, south of Protem, Missouri.

Water quality at Site 8 was nearly identical to Site 7. Aside from early season (comparatively) high values, nutrient and chlorophyll values were quite stable through the 2011 season. Water clarity was exceptional, at 9 feet or greater all season long.

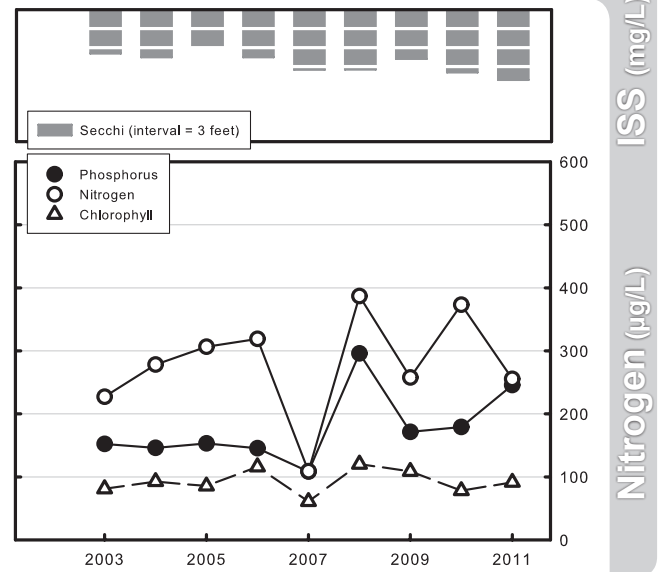
Long term values are quite similar to Site 7. Water clarity may be increasing at Site 8. Additional sampling is required to determine if this is truly a trend. As at Site 7, phosphorus concentrations seem to have increased slightly since 2007 and the nitrogen value from that year is surprisingly low.



2011 GRAPHS



TREND GRAPHS



See page 3 for help interpreting graphs