

Ashland Lake

Boone County

2006 DATA

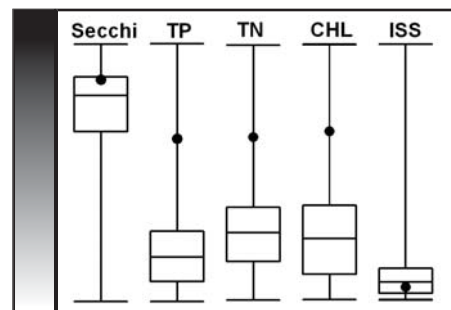


Date	Secchi (inches)	TP (µg/L)	TN (µg/L)	CHL (µg/L)	ISS (mg/L)
7/11	18	231	2160	94.6	10.5
8/7	22	91	1190	56.8	3.0
9/8	58	100	1250	9.7	0.4
Mean	28	128	1476	37.4	2.3

2006 SUMMARY

Water quality varied considerably among the three samples collected in 2006. Maximum nutrient, chlorophyll and suspended sediment concentrations were measured in July, with decreased levels in August and September. TP and TN values during the last two sample trips were about 40% and 55% of the July levels, respectively. In September, the CHL was only 10% of the July value. Secchi increased through the period as CHL and ISS decreased.

Average nutrient and chlorophyll levels in Ashland Lake during 2006 ranked high relative to Missouri lakes. Secchi was shallower than ~75% of Missouri lakes, while ISS were below the median Missouri value.



Relative Rank Graph
See page 11 for details

TRENDS

There currently are no temporal trends of changing water quality in Ashland Lake. The 2006 Secchi reading of 58 inches was the deepest ever measured in Ashland Lake during the summer.

