

Whitecliff Park Lake

St. Louis County

2007 DATA

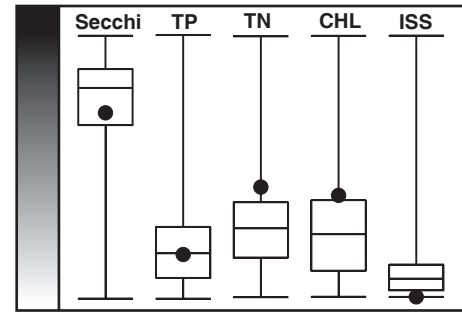


Date	Secchi (inches)	TP (µg/L)	TN (µg/L)	CHL (µg/L)	ISS (mg/L)
5/11	164	60	940	3.9	0.1
6/8	89	31	800	12.7	0.1
6/30	36	45	1460	39.5	0.8
7/14	38	41	1240	32.8	1.5
8/10	37	46	1080	37.8	1.0
9/4	30	38	1120	53.3	2.0
9/21	58	21	820	22.3	1.0
Mean	54	39	1040	22.5	0.6

2007 SUMMARY

This small (2 acre) lake is a former quarry located in Whitecliff Park, within the St. Louis suburb of Crestwood.

Secchi transparency values ranged from 164 inches to 30 inches, and had an average that was clearer than most Missouri lakes. Chlorophyll concentrations showed a wide range, with the average being higher than 75% of Missouri lakes. Suspended sediments were quite low in the lake, averaging less than 1 mg/L. Being a former quarry, the watershed of this lake is atypical as it has no major inflowing stream.



Relative Rank Graph
See page 11 for details

TRENDS

While the first sample of the season had the highest phosphorus value observed at this lake in 2007, chlorophyll, nitrogen and suspended sediment concentrations were at or near their 2007 low. Not surprisingly, the Secchi value was highest on this date.

