

Marceline City Lake

Chariton County

2007 DATA



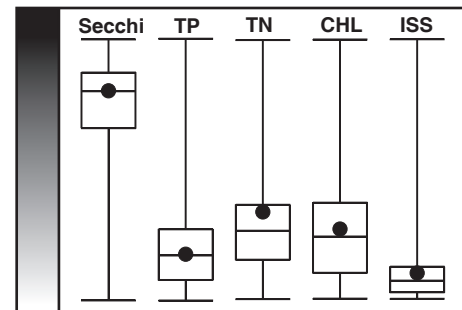
Date	Secchi (inches)	TP (µg/L)	TN (µg/L)	CHL (µg/L)	ISS (mg/L)
5/2	38	46	1120	15.6	8.8
6/12	36	53	1020	21.3	3.0
8/28	40	27	580	12.0	2.6
Mean	38	40	870	15.9	4.1

2007 SUMMARY

Three samples were collected between May 2 and August 28, 2007 at the Marceline City Lake.

Secchi values only varied by 4 inches, averaging 38 inches. Nutrients and chlorophyll concentrations varied little also, not quite doubling from minimum to maximum. Sediments (ISS) were highest on the May sampling date, and were lowest on the August sampling.

Overall, all observed parameters at Marceline City Lake were comparable to the statewide median values.



Relative Rank Graph
See page 11 for details

TRENDS

Marceline City Lake completed its second year with the LMVP in 2007. In 2008 we will begin to compare annual mean values.

The graph to the right shows phosphorus, chlorophyll, nitrogen, Secchi and ISS values for each of the three samples collected in 2007.

The May ISS maximum value can be seen in the lower graph. All other parameters were very consistent across the three samples.

