Jennings Park Lake **(Koeneman Park Lake)**

Saint Louis County

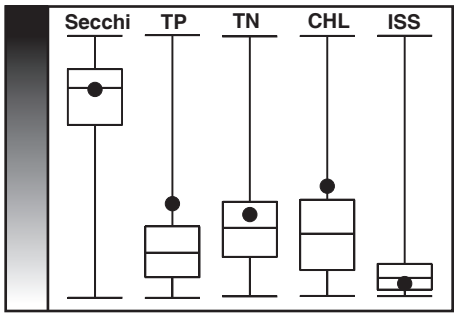
2007 DATA

Date	Secchi (inches)	TP (µg/L)	TN (µg/L)	CHL (µg/L)	ISS (mg/L)
4/28	62	32	560	5.3	2.7
5/19	40	64	970	31.9	3.2
6/9	34	98	930	28.3	1.9
6/30	25	133	900	54.9	2.2
7/21	27	38	890	64.3	3.3
8/11	46	100	660	15.7	1.9
9/1	30	142	1330	37.9	3.2
9/22	72	73	630	12.1	1.0
Mean	**39**	**75**	**830**	**24.3**	**2.3**

2007 SUMMARY

Water quality in Jennings Park Lake was quite variable during 2007, especially chlorophyll which ranged from 5 to 64 µg/L. The lone exception to variable conditions was inorganic suspended solids, which were fairly stable during the sample season. The first sample of the season, on 28 April, had the lowest nutrient and chlorophyll values with the deepest Secchi transparency reading. This is somewhat unusual as the late spring is often when we measure the highest nutrient values (and lowest Secchi) in Missouri reservoirs.

Phosphorus and chlorophyll were higher than found in 75% of Missouri lakes, while all other parameters were near the statewide median.



Relative Rank Graph
See page 11 for details

TRENDS

Inorganic suspended solids values in 2007 were lower and more stable than in previous years. The 2007 *maximum* ISS value (3.3 mg/L) was well below all previously reported means, and lower than the long term mean. Secchi transparency did not reflect the lower ISS values, probably due to high chlorophyll levels.

As Jennings Park Lake is less than 10 acres in total area, it is too small for nutrient criteria to apply.