

Lake Jacomo

Jackson County

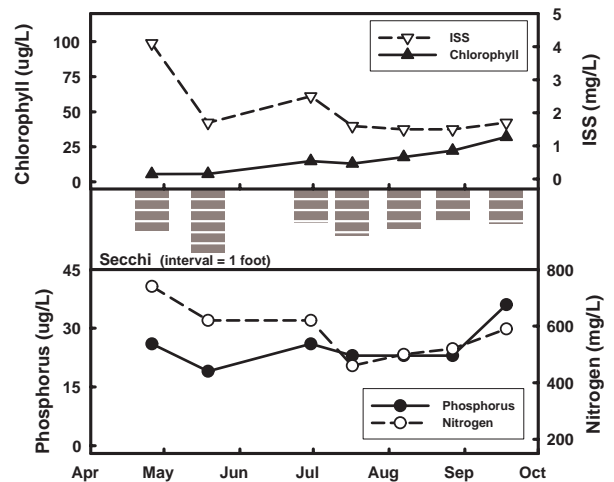
2008 DATA



Date	Secchi (inches)	TP (µg/L)	TN (µg/L)	CHL (µg/L)	ISS (mg/L)
4/26	46	26	740	5.6	4.1
5/19	70	19	620	5.7	1.7
6/30	38	26	620	14.8	2.5
7/17	52	23	460	13.0	1.6
8/7	44	23	500	17.7	1.5
8/27	36	23	520	22.3	1.5
9/18	39	36	590	32.1	1.7
Mean	45	25	572	13.4	1.9

2008 SUMMARY

Secchi transparency values ranged from 36 to 70 inches, just under a two-fold difference. Phosphorus and nitrogen varied less than two-fold as well. Chlorophyll concentrations varied considerably more, with over 5 times as much chlorophyll measured on 9/18 as was measured on 5/19. Chlorophyll started the season low, at 5.6µg/L, then increased steadily to a maximum of 32.1µg/L. ISS concentrations were quite stable and quite low, considering the lake's urban watershed.



TRENDS

Lake Jacomo has been monitored each year since the program began in 1992. Summer values include those collected after May 15 and before September 15, which excludes both the early season sample with the high concentration of ISS and the end-of-season sample with the high nutrient and chlorophyll concentrations. As a result, 2008 appears to be a very stable year, with among the lowest variability of any summer. The 2008 mean phosphorus value is the lowest observed at Lake Jacomo to date, though only by a small margin. Other 2008 mean values are similar to their respective long-term means.

