

Prairie Lee Lake

Prairie Lee Lake is approximately 134 acres in size and is managed by the Jackson County Parks and Recreation Department. The watershed is predominately urban, with several homes along its shores.



Figure 78. Location of Prairie Lee Lake.

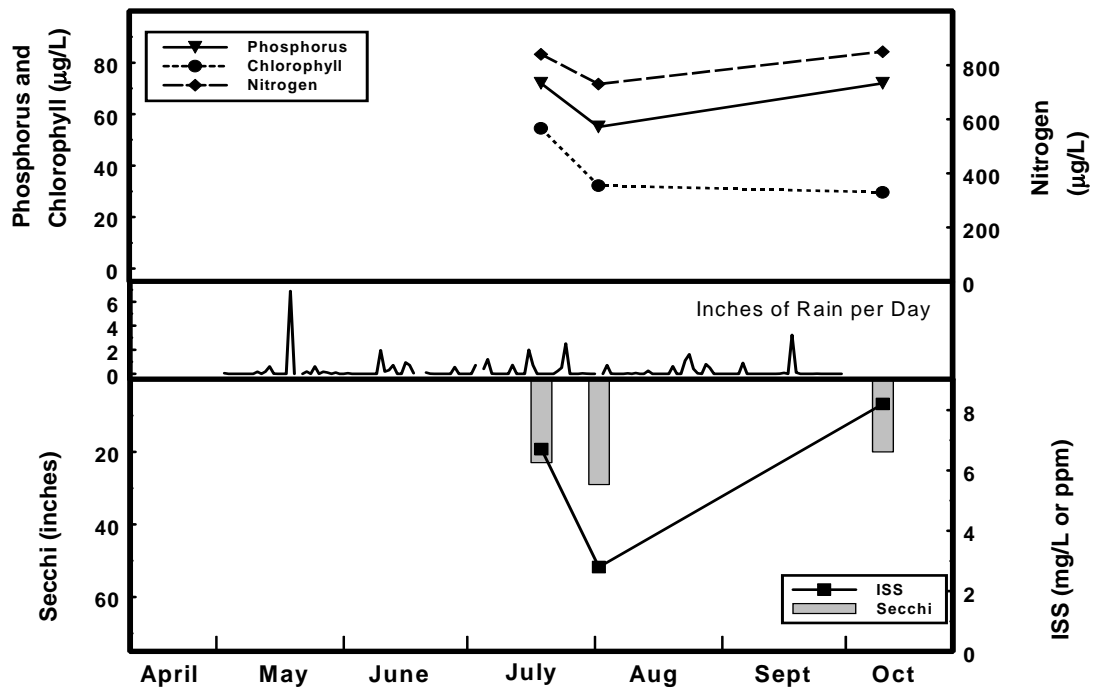


Figure 79. Seasonal fluctuations of parameters for Prairie Lee Lake – 2004

Table 30. Descriptive statistics for Prairie Lee Lake – 2004

	Secchi (inches)	TP (ug/L)	TN (ug/L)	CHL (ug/L)	ISS (mg/L)
Geometric Mean	24	66	805	37.3	5.4
Minimum	20	55	730	29.6	2.8
Maximum	29	72	850	54.5	8.2
Number of Samples	3	3	3	3	3

2004 Results

Figure 79 shows how the parameters nitrogen, phosphorus, algal chlorophyll, inorganic suspended solids and Secchi transparency varied in Prairie Lee Lake during 2004. The descriptive statistics appear in Table 30.

A brief description of the results:

- The small number of samples (3) limits our ability to discern seasonal patterns in Prairie Lee Lake.
- Phosphorus concentrations vary by 30% and nitrogen concentrations vary by 16%.
- Secchi transparency values did not exceed 3 feet.

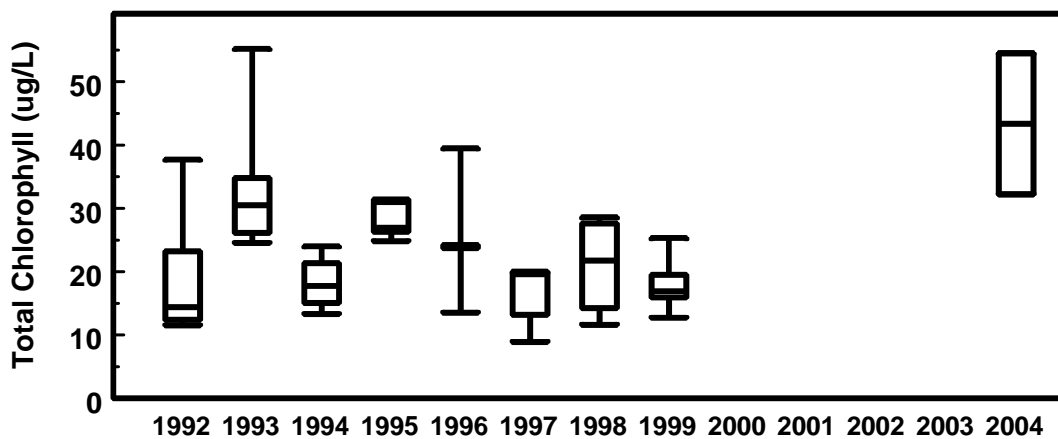


Figure 80. Chlorophyll trends in Prairie Lee Lake. Prairie Lee was sampled in 2004 for the first time since 1999. Only 3 samples were collected in 2004. Continued sampling will show if higher chlorophyll concentrations are a trend.