

Penn Valley Lake



2011 DATA

Jackson County
 Latitude: 39.0783 Longitude: -94.5927

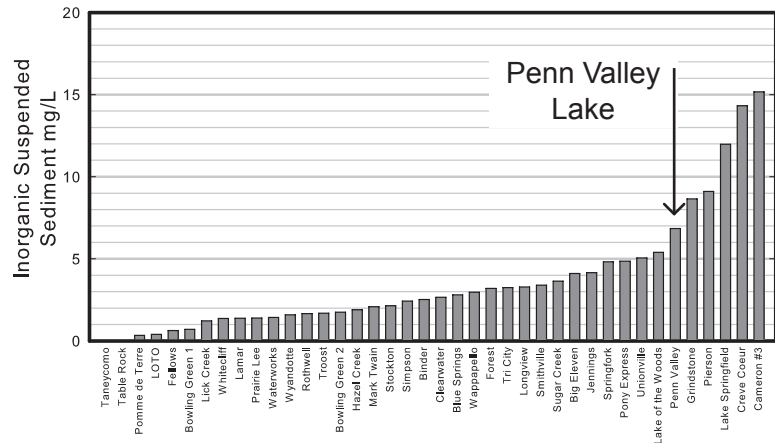
Date	X	X	X	X	7/19	8/24	9/14	9/22	Mean
Secchi (inches)					22	24	23	23	23
TP (µg/L)					173	145	95	125	131
TN (µg/L)					1200	1340	830	1210	1127
CHL (µg/L)					48.9	27.1	56.6	67.8	47.5
ISS (mg/L)					12.0	3.6	7.4	44.9	10.9

Penn Valley Lake is a 2 acre lake with a 170 acre urban-dominated watershed. This lake participates in the LMVP as part of the EPA's KC Urban Lakes monitoring effort.

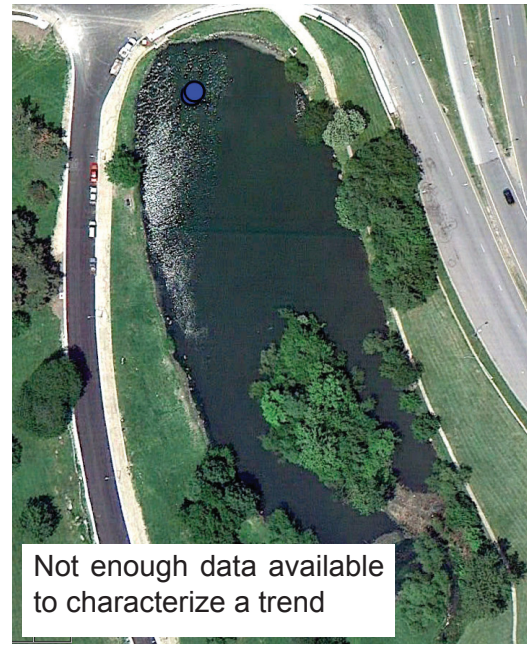
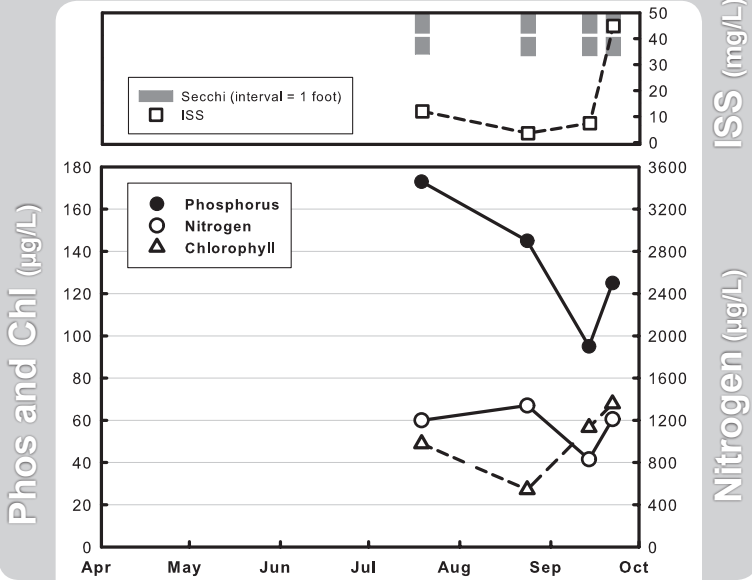
en the phosphorus concentrations could have been higher still.

Sampling at Penn Valley Lake was limited to the second half of the sampling season, starting July 19. During this part of the season, water clarity varied little, averaging 23 inches. Nutrient concentrations were high and phosphorus-rich, as indicated by the nitrogen to phosphorus ratio of 8.6. Suspended sediment particles varied considerably, ranging from 3.6 to 44.9 mg/L. Chlorophyll concentrations were high but, giv-

2011 Summer Mean ISS Values



2011 GRAPHS



Not enough data available to characterize a trend

See pages 10-11 for help interpreting graphs