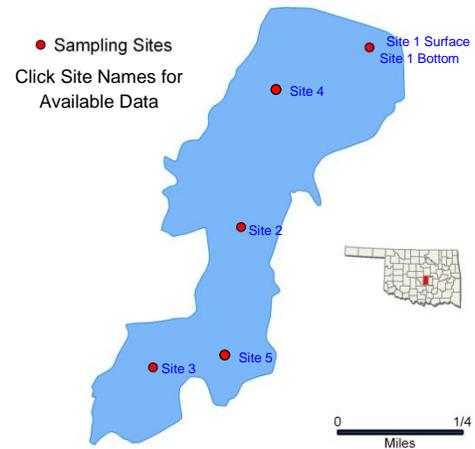


Tecumseh

Sample Period	Times Visited	Sampling Sites
October 2007 – July 2008	4	5

General	Location	Pottawatomie County	Click map for site data
	Impoundment	1934	
	Area	127 acres	
	Capacity	1,118 acre feet	
	Purposes	Waters Supply, and Recreation	



Parameters		Parameter (<i>Descriptions</i>)	Result	Notes/Comments
		In Situ	Average Turbidity	132 nephelometric turbidity units (NTU)
Average True Color	244 units		All values > OWQS of 70	
Average Secchi Disk Depth	11 cm			
Water Clarity Rating	poor			
Trophic State Index	49		Previous value = 57	
Trophic Class	mesotrophic			
Profile	Salinity	0.00 – 0.10 ppt		
	Specific Conductivity	105.6 – 141 µS/cm		
	pH	7.08 – 7.60 pH units	Neutral	
	Oxidation-Reduction Potential	337 to 537 mV		
	Dissolved Oxygen		D.O. always > 5.0 mg/L	
Nutrients	Surface Total Nitrogen	1.01 mg/L to 1.55 mg/L		
	Surface Total Phosphorus	0.066 mg/L to 0.131 mg/L		
	Nitrogen to Phosphorus Ratio	12:1	Phosphorus limited	

Beneficial Uses	Click to learn more about Beneficial Uses	Turbidity	pH	Dissolved Oxygen	Metals	TSI	True Color	Sulfates	Chlorides	Total Dissolved Solids	Enteroc. & E. coli	Chlor-a
	Fish & Wildlife Propagation	NS	S	S	S							
	Aesthetics					S	*					
	Agriculture							S	S	S		
	Primary Body Contact Recreation										S	
	Public & Private Water Supply											

<p><i>S = Fully Supporting</i> <i>NS = Not Supporting</i> <i>NEI = Not Enough Information</i></p>	Notes	*Standards revision, true color is for permitting purposes only
---	-------	---

NTU = nephelometric turbidity units OWQS = Oklahoma Water Quality Standards mg/L = milligrams per liter ppt = parts per thousand
 µS/cm = microsiemens per centimeter mV = millivolts µS/cm = microsiemens/cm En = Enterococci
 E. coli = Escherichia coli Chlor-a = Chlorophyll-a