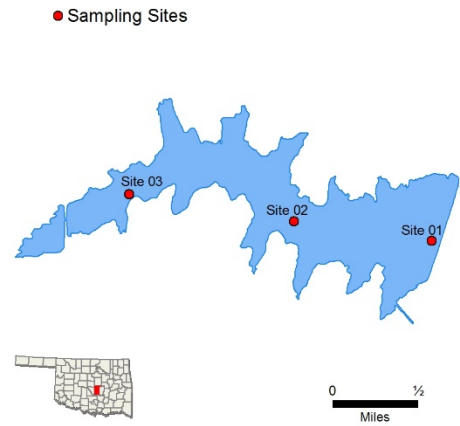


Shawnee Twin No. 2

Sample Period	Times Visited	Sampling Sites
November 2018 – September 2019	4	3

General	Location	Pottawatomie County
	Impoundment	1960
	Area	1,100 acres
	Capacity	11,400 acre feet
	Purposes	Waters Supply and Recreation



Parameters	In-Situ	Parameter (<i>Descriptions</i>)	Result	Notes/Comments
		Average Turbidity	11 NTU	100% of values < OWQS of 25 NTU
		Average Secchi Disk Depth	72.7 cm	
		Water Clarity Rating	Good	
		Chlorophyll-a	15.01 mg/m ³	
		Trophic State Index	57	Previous value = 48
	Trophic Class	Eutrophic		
	Profile	Salinity	0.09 – 0.15 ppt	
		Specific Conductivity	195.9 – 313.5 μS/cm	
		pH	6.92 – 8.31 pH units	Neutral to slightly alkaline
		Oxidation-Reduction Potential	55.1 to 438.4 mV	
		Dissolved Oxygen	Up to 35% of water column < 2 mg/L in September	
	Nutrients	Surface Total Nitrogen	0.505 mg/L to 0.84 mg/L	
		Surface Total Phosphorus	0.012 mg/L to 0.032 mg/L	
		Nitrogen to Phosphorus Ratio	35:1	Phosphorus limited

Beneficial Uses	Click to learn more about Beneficial Uses	Turbidity	pH	Dissolved Oxygen	Metals	TSI	True Color	Sulfates	Chlorides	Total Dissolved Solids	Enterococci & E. coli	Chlor-a
	Fish & Wildlife Propagation	NS	S	NEI	S							
	Aesthetics					S	*					
	Agriculture							S	S	S		
	Primary Body Contact Recreation										NEI	
	Public & Private Water Supply											
	<i>S = Fully Supporting</i> <i>NS = Not Supporting</i> <i>NEI = Not Enough Information</i>	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