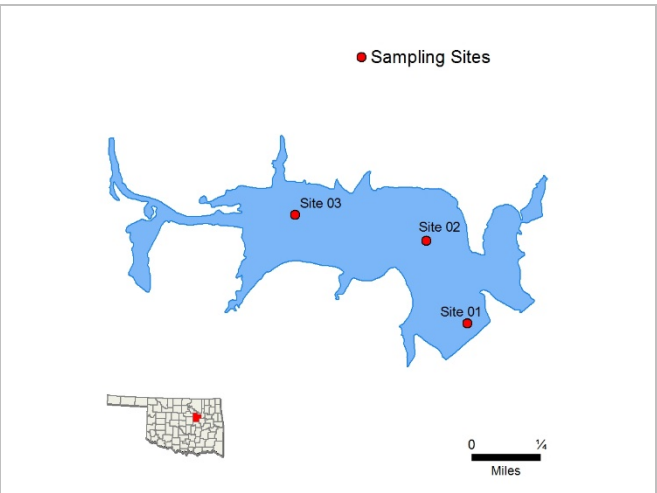


Sahoma

Sample Period	Times Visited	Sampling Sites
November 2015	4	5

General	Location	Creek County
	Impoundment	1947
	Area	312 acres
	Capacity	4,850 acre-feet
	Purposes	Water Supply, Recreation



Parameters		Parameter (<i>Descriptions</i>)	Result	Notes/Comments
		In Situ	Average Turbidity	96NTU
Average Secchi Depth	85 cm		100% of values < OWQS of 70	
Water Clarity Rating	Good			
Chlorophyll-a	5.2 mg/m3			
Trophic State Index	47		Previous value = 51	
Trophic Class	Mesotrophic			
Profile	Salinity	0.08 – 0.08 ppt		
	Specific Conductivity	170.9 - 174.6 μ S/cm		
	pH	7.36– 7.69 pH units	Neutral to slightly alkaline	
	Oxidation-Reduction Potential	149.8 – 212.9 mV		
	Dissolved Oxygen	All data are above screening level of 2.0 mg/L		
Nutrients	Surface Total Nitrogen	0.79 mg/L to 0.82 mg/L		
	Surface Total Phosphorus	0.020 mg/L to 0.027 mg/L		
	Nitrogen to Phosphorus Ratio	36:1	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	NS	S						
Aesthetics						S	*					
Agriculture								S	S	S		
Primary Body Contact Recreation											S	
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
 μ S/cm = microsiemens per centimeter mV = millivolts μ S/cm = microsiemens/cm En = Enterococci
 E. coli = Escherichia coli Chlor-a = Chlorophyll-a