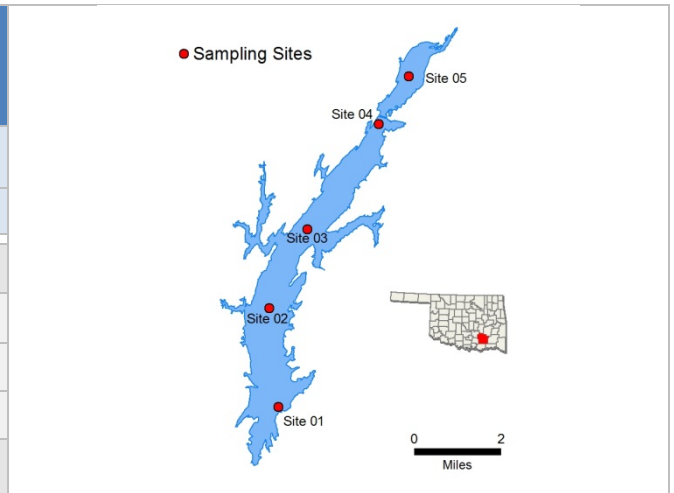


Atoka

Sample Period	Times Visited	Sampling Sites
November 2016 – August 2017	3	5

General	Location	Atoka County
	Impoundment	1964
	Area	5,700 acres
	Capacity	125,000 acre-feet
	Purposes	Water Supply, Recreation



Parameters	In Situ	Parameter (<i>Descriptions</i>)	Result	Notes/Comments
		Average Turbidity	60 NTU	73% of values > OWQS of 25 NTU
		Average Secchi Disk Depth	38 cm	
		Water Clarity Rating	Poor	
		Chlorophyll-a	10.47 mg/m ³	
		Trophic State Index	54	Previous Value = 52
	Trophic Class	Eutrophic		
	Profile	Salinity	0.03 – 0.04 ppt	
		Specific Conductivity	62.1 – 115.3 μS/cm	
		pH	6.32 – 7.74 pH units	Neutral to slightly alkaline
		Oxidation-Reduction Potential	219 to 585.5 mV	
		Dissolved Oxygen	Up to 37% of water column <2 mg/L in Summer	
	Nutrients	Surface Total Nitrogen	0.41 mg/L to 1.28 mg/L	
		Surface Total Phosphorus	0.040 mg/L to 0.160 mg/L	
		Nitrogen to Phosphorus Ratio	9:1	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							N/A	N/A	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
 μS/cm = microsiemens per centimeter mV = millivolts μS/cm = microsiemens/cm En = Enterococci
 E. coli = Escherichia coli Chlor-a = Chlorophyll-a