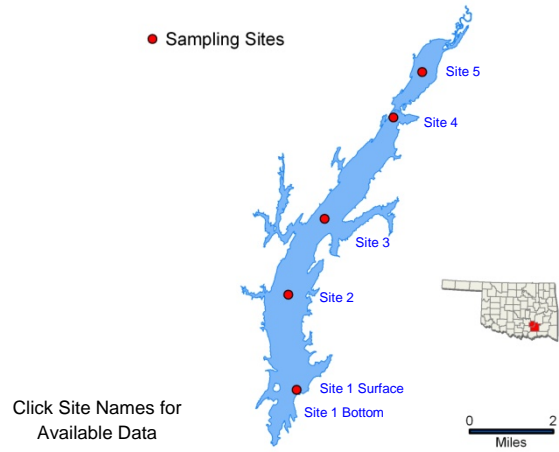


# Atoka

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

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



Parameters	Parameter ( <i>Descriptions</i> )		Result	Notes/Comments	
	In Situ	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 <sup>3</sup>	
		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	<a href="#">Click to learn more about Beneficial Uses</a>		Turbidity	pH	Dissolved Oxygen	Metals	TSI	True Color	Sulfates	Chlorides	Total Dissolved Solids	Enterro. & 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>		<b>Notes</b>	*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