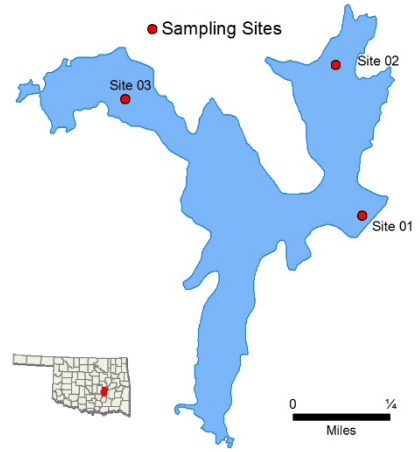


Wetumka



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

General	Location	Hughes County
	Impoundment	1939
	Area	169 acres
	Capacity	1,839 acre-feet
	Purposes	Water Supply, Recreation

Parameters	In-Situ	Parameter (<i>Descriptions</i>)	Result	Notes/Comments
		Average Turbidity	16 NTU	25% of values > OWQS of 25 NTU
		Average Secchi Disk Depth	64.2 cm	
		Water Clarity Rating	Fair	
		Chlorophyll-a	12.31 mg/m ³	
		Trophic State Index	55	Previous Value= 53
	Trophic Class	Eutrophic		
	Profile	Salinity	0.05 – 0.13 ppt	
		Specific Conductivity	101.4 – 283.2 μS/cm	
		pH	6.64 – 7.82 pH units	Neutral to slightly alkaline
		Oxidation-Reduction Potential	48.0 – 473.0 mV	
		Dissolved Oxygen	Up to 52% of water column < 2 mg/L in September	
	Nutrients	Surface Total Nitrogen	0.525 mg/L to 0.895 mg/L	
		Surface Total Phosphorus	0.025 mg/L to 0.062 mg/L	
		Nitrogen to Phosphorus Ratio	20:1	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	S	S	NEI	S							
	Aesthetics					S	*					
	Agriculture							S	S	S		
	Primary Body Contact Recreation										NS	
	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