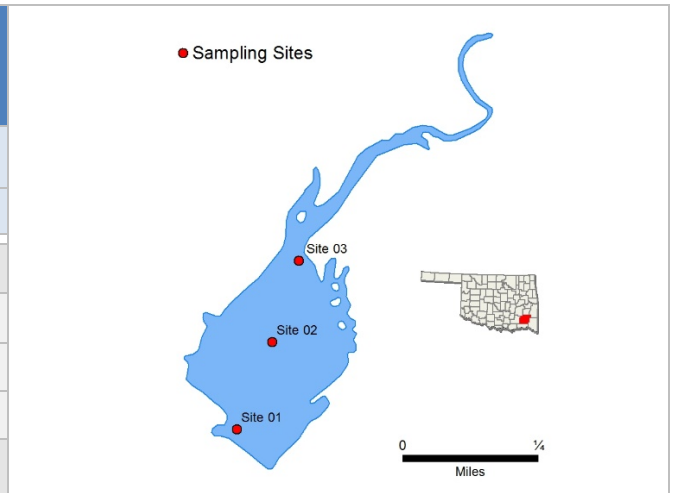


Ozzie Cobb

Sample Period	Times Visited	Sampling Sites
November 2016 – August 2017	4	5

General	Location	Pushmataha County
	Impoundment	1958
	Area	116 acres
	Capacity	833 acre feet
	Purposes	Recreation



Parameters	In Situ	Parameter (<i>Descriptions</i>)	Result	Notes/Comments
		Average Turbidity	17 NTU	25% of values > 25 NTU (n=12)
		Average Secchi Disk Depth	59 cm	
		Water Clarity Rating	average	
		Chlorophyll	14.51 mg/L	
		Trophic State Index	57	Previous value = 59
	Trophic Class	Eutrophic		
	Profile	Salinity	0.02 – 0.05 ppt	
		Specific Conductivity	45.6 – 292.1 μ S/cm	
		pH	5.91 – 7.37 pH units	44% of values < 6.5
		Oxidation-Reduction Potential	109.8 to 566.8 mV	
		Dissolved Oxygen	Up to 71% of water column < 2 mg/L in August	Occurred at site 1
	Nutrients	Surface Total Nitrogen	0.69 mg/L to 0.97 mg/L	
		Surface Total Phosphorus	0.039 mg/L to 0.071 mg/L	
		Nitrogen to Phosphorus Ratio	15:1	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	NS	S	S							
	Aesthetics					NEI	*					
	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 Slightly acidic conditions are not unusual in this part of the state due to relatively low soil pH and lack of soluble bedrock. Because of these conditions it is likely that the low pH values may be due to natural causes; therefore the Water Board is looking at the applicability of developing site-specific criteria for waters in the southeastern portion of the state. **This is an NLW waterbody in the OWQS.										

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