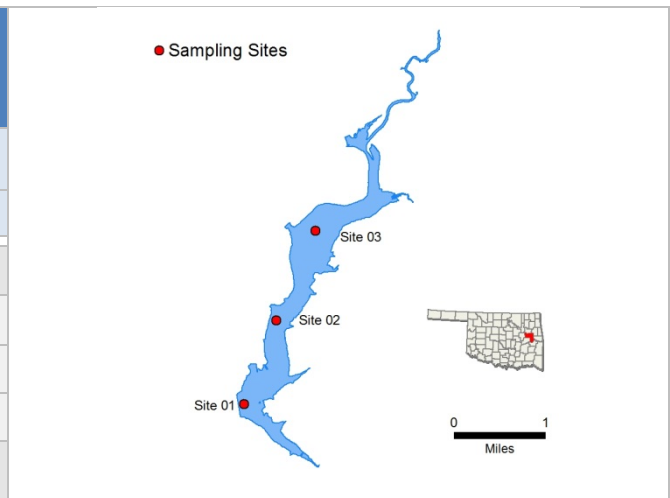


Greenleaf

Sample Period	Times Visited	Sampling Sites
February 2019 – August 2019	4	5

General	Location	Muskogee County
	Impoundment	1939
	Area	920 acres
	Capacity	14,720 acre-feet
	Purposes	Recreation



Parameters	In Situ	Parameter (<i>Descriptions</i>)	Result	Notes/Comments
		Average Turbidity	7 NTU	100% of values < OWQS of 25 NTU (n=9)
		Average Secchi Disk Depth	97 cm	
		Water Clarity Rating	Good	
		Chlorophyll-a	17.76 mg/m ³	
		Trophic State Index	59	Previous value = 58
	Trophic Class	Eutrophic		
	Profile	Salinity	0.0– 0.09 ppt	
		Specific Conductivity	0.80 – 162 µS/cm	
		pH	6.26 – 8.11 pH units	33% of recorded values <6.5
		Oxidation-Reduction Potential	48.6 – 4440.5 mV	
		Dissolved Oxygen	Up to 61% of water column < 2 mg/L in August	
	Nutrients	Surface Total Nitrogen	0.36 mg/L to 0.77 mg/L	
		Surface Total Phosphorus	0.021 mg/L to 0.037 mg/L	
		Nitrogen to Phosphorus Ratio	18:1	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	NEI	S							
	Aesthetics					S	*					
	Agriculture							N/A	N/A	S		
	Primary Body Contact Recreation										S	
	Public & Private Water Supply											NS
<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. * 50-70% range is undetermined for DO.										

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