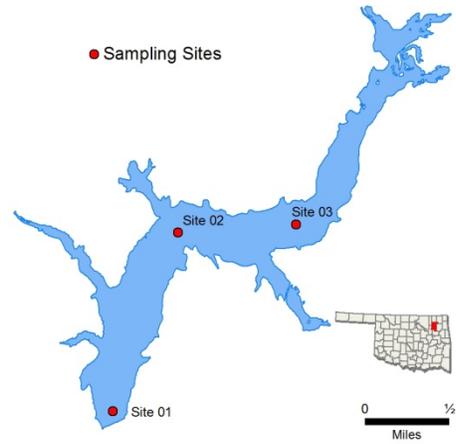


Claremore



Sample Period	Times Visited	Sampling Sites
October 2018 – July 2019	4	3

General	Location	Rogers County
	Impoundment	1930
	Area	470 acres
	Capacity	7,900 acre-feet
	Purposes	Water Supply, Recreation

Parameters	In Situ	Parameter (<i>Descriptions</i>)	Result	Notes/Comments
		Average Turbidity	14 NTU	8% of values > OWQS of 25 NTU (n=12)
		Average Secchi Disk Depth	55 cm	
		Water Clarity Rating	Good	
		Chlorophyll-a	38.25 mg/m ³	
		Trophic State Index	66	Previous value = 63
	Trophic Class	Hypereutrophic		
	Profile	Salinity	0.08– 0.11 ppt	
		Specific Conductivity	181.9 – 238.9 μS/cm	
		pH	6.91 – 8.81 pH units	
		Oxidation-Reduction Potential	38.6 – 481.9 mV	
		Dissolved Oxygen	Up to 35% of water column < 2 mg/L in July	Occurred at site 1, the dam
	Nutrients	Surface Total Nitrogen	0.86 mg/L to 1.20 mg/L	
		Surface Total Phosphorus	0.046 mg/L to 0.121 mg/L	
		Nitrogen to Phosphorus Ratio	14:1	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					NEI**	*					
	Agriculture							S	S	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 **The lake is listed in the WQS as a NLW indicating that the Aesthetics beneficial use is considered threatened by nutrients until studies can be conducted to confirm non-support status									

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