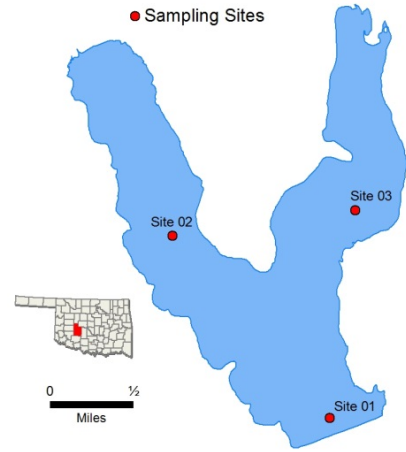


Chickasha



Sample Period	Times Visited	Sampling Sites
October 2017 – July 2018	4	3

General	Location	Caddo County
	Impoundment	1958
	Area	820 acres
	Capacity	41,080 acre-feet
	Purposes	Water Supply, Recreation

Parameters	Parameter (<i>Descriptions</i>)		Result	Notes/Comments
	In Situ	Average Turbidity	10 NTU	100% of values < OWQS of 25 NTU
		Average Secchi Disk Depth	74 cm	
		Water Clarity Rating	Good	
		Chlorophyll-a	22.6 mg/m ³	
		Trophic State Index	61	Previous Value=70
		Trophic Class	Hypereutrophic	
	Profile	Salinity	1.35 – 1.47 ppt	
		Specific Conductivity	1708 – 3140.6 μS/cm	
		pH	7.26 – 8.24 pH units	Neutral to slightly alkaline
		Oxidation-Reduction Potential	-183.6 to 502.1mV	
		Dissolved Oxygen	Up to 23% of water column < 2.0 mg/L in summer	
	Nutrients	Surface Total Nitrogen	1.12 mg/L to 1.54 mg/L	
		Surface Total Phosphorus	0.025 mg/L to 0.051 mg/L	
		Nitrogen to Phosphorus Ratio	34:1	Phosphorus limited

Beneficial Uses	Click to learn more about Beneficial Uses	Turbidity	pH	Dissolved Oxygen	Metals	TSI	True Color	Sulfates	Chlorides	Total Dissolved Solids	Enteroc. & E. coli	Chlor-a
	Fish & Wildlife Propagation	S	S	S	S							
	Aesthetics					NEI	S					
	Agriculture							S	S	S		
	Primary Body Contact Recreation										S	
	Public & Private Water Supply											

Notes	The lake is currently listed in the Oklahoma Water Quality Standards (WQS) as a Nutrient Limited Watershed (NLW). This listing means that the lake is considered threatened from nutrients until a more intensive study can confirm the Aesthetics beneficial use non-support status.
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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*