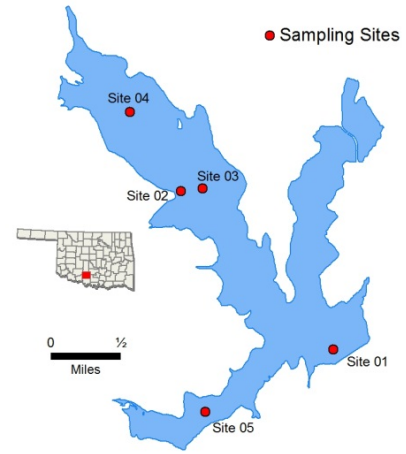


Fuqua

Sample Period	Times Visited	Sampling Sites
December 2017 – August 2018	4	5

General	Location	Stephens County
	Impoundment	1953
	Area	1,500 acres
	Capacity	21,100 acre-feet
	Purposes	Water Supply, Recreation and Flood Control



Parameters	In-Situ	Parameter (<i>Descriptions</i>)	Result	Notes/Comments
		Average Turbidity	14 NTU	100% of values < OWQS of 25 NTU
		Average Secchi Disk Depth	72 cm	
		Water Clarity Rating	Average	
		Chlorophyll-a	14.16 mg/m ³	
		Trophic State Index	57	Previous Value= 55
	Trophic Class	Eutrophic		
	Profile	Salinity	0.27– 0.30 ppt	
		Specific Conductivity	518.0– 625.3 μS/cm	
		pH	7.17 – 8.52 pH units	
		Oxidation-Reduction Potential	-33.4 to 467.1 mV	
		Dissolved Oxygen	Up to 37% of water column < 2 mg/L in August	
	Nutrients	Surface Total Nitrogen	0.57 mg/L to 1.0 mg/L	
		Surface Total Phosphorus	0.015 mg/L to 0.054 mg/L	
		Nitrogen to Phosphorus Ratio	25:1	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	NS	S	S	S							
	Aesthetics					S	*					
	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 *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