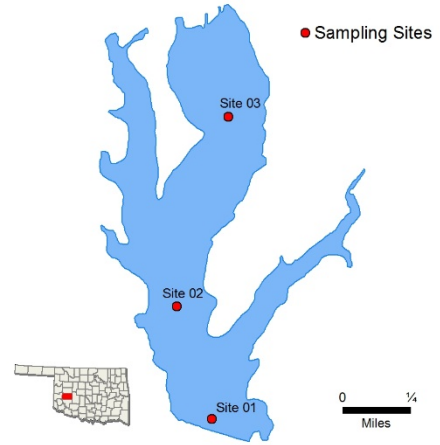


Rocky (Hobart)



Sample Period	Times Visited	Sampling Sites
March 2017 – September 2017	3	3

General	Location	Washita County
	Impoundment	1933
	Area	347 acres
	Capacity	4,210 acre-feet
	Purposes	Water Supply, Recreation

Parameters	In Situ	Parameter (Descriptions)	Result	Notes/Comments
		Average Turbidity	43 NTU	67% of values > OWQS of 25 NTU (n=9)
		Average Secchi Disk Depth	27 cm	
		Water Clarity Rating	Poor	
		Chlorophyll-a	82.39 mg/m ³	
		Trophic State Index	74	Previous value = 68
	Trophic Class	Hypereutrophic		
	Profile	Salinity	0.19 – 0.44 ppt	
		Specific Conductivity	406.8 – 897.7 μS/cm	
		pH	7.74 – 8.74 pH units	
		Oxidation-Reduction Potential	250.2 to 449.6 mV	
		Dissolved Oxygen	All data are above screening level of 2.0 mg/L	
	Nutrients	Surface Total Nitrogen	1.11 mg/L to 1.86 mg/L	
		Surface Total Phosphorus	0.109 mg/L to 0.247 mg/L	
		Nitrogen to Phosphorus Ratio	9:1	Phosphorus limited

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

S = Fully Supporting
NS = Not Supporting
NEI = Not Enough Information

Notes
 * *Standards revision, true color is for permitting purposes only
 * Currently, the lake is listed as a Nutrient Limited Watershed (NLW) in the Oklahoma Water Quality Standards (WQS). 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.

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