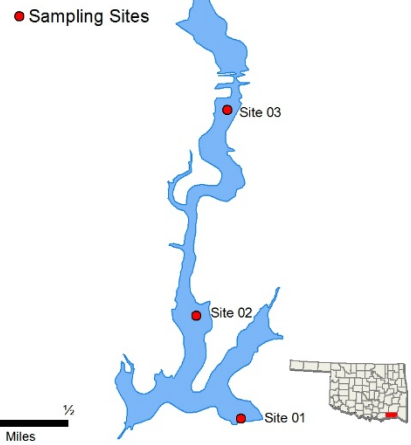


Raymond Gary



Sample Period	Times Visited	Sampling Sites
November 2018 – August 2019	4	3

General	Location	Choctaw County
	Impoundment	1956
	Area	263 acres
	Capacity	1,681 acre-feet
	Purposes	Recreation

Parameters	In Situ	Parameter (<i>Descriptions</i>)	Result	Notes/Comments
		Average Turbidity	13 NTU	0% of values > OWQS of 25 NTU (n=11)
		Average Secchi Disk Depth	51.4 cm	
		Water Clarity Rating	Average	
		Chlorophyll-a	23.44 mg/m ³	
		Trophic State Index	62	Previous value = 55
	Trophic Class	Hypereutrophic		
	Profile	Salinity	0.03 – 0.12 ppt	
		Specific Conductivity	58.7 – 254.8 µS/cm	
		pH	6.44 – 7.54 pH units	9.3% of values < 6.5 (n=43)
		Oxidation-Reduction Potential	173.2 to 499.9 mV	
		Dissolved Oxygen	100% of water column < 2 mg/L in June	
	Nutrients	Surface Total Nitrogen	0.33 mg/L to 0.895 mg/L	
Surface Total Phosphorus		0.032 mg/L to 0.069 mg/L		
Nitrogen to Phosphorus Ratio		13:1	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	NEI	S							
	Aesthetics					S	*					
	Agriculture							S	S	S		
	Primary Body Contact Recreation										NEI	
	Public & Private Water Supply											

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

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