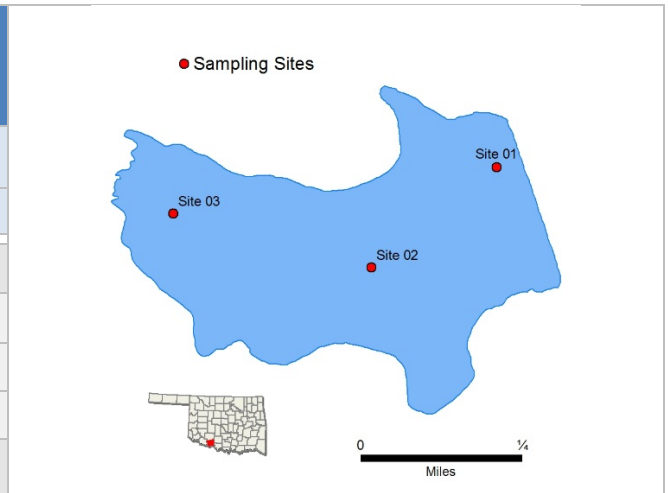


Dave Boyer (Walters)

Sample Period	Times Visited	Sampling Sites
December 2016 – September 2017	4	5

General	Location	Cotton County
	Impoundment	1936
	Area	148 acres
	Capacity	861 acre feet
	Purposes	Water Supply, and Recreation



Parameters	Parameter (<i>Descriptions</i>)	Result	Notes/Comments	
	Average Turbidity	69 NTU	100% of values > 25 NTU	
	Average Secchi Disk Depth	19 cm		
	Water Clarity Rating	poor		
	Chlorophyll	10.42 mg/L		
	Trophic State Index	54	Previous value = 51	
	Trophic Class	eutrophic		
	Profile	Salinity	0.14 – 0.15 ppt	
		Specific Conductivity	286.6 – 312.8 µS/cm	
		pH	7.62 – 8.2 pH units	Neutral to slightly alkaline
		Oxidation-Reduction Potential	213.1 – 453.5 mV	
		Dissolved Oxygen		All values > 2 mg/L
	Nutrients	Surface Total Nitrogen	0.88 mg/L to 1.18 mg/L	
		Surface Total Phosphorus	0.109 mg/L to 0.158 mg/L	
		Nitrogen to Phosphorus Ratio	8:1	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											NS

Notes	<p><i>S = Fully Supporting</i> <i>NS = Not Supporting</i> <i>NEI = Not Enough Information</i></p> <p>*Standards revision, true color is for permitting purposes only.</p>
-------	---

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