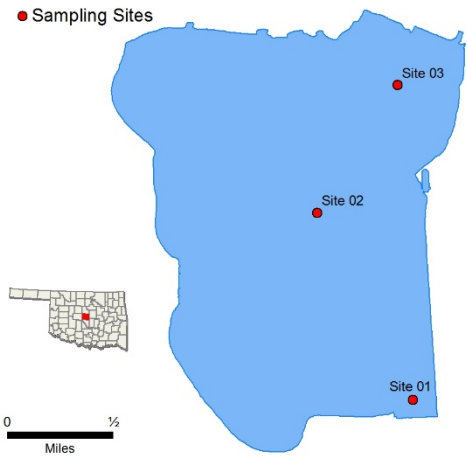


Overholser



Sample Period	Times Visited	Sampling Sites
October 2018 – July 2019	4	3

General	Location	Oklahoma County
	Impoundment	1919
	Area	1,500 acres
	Capacity	15,000 acre-feet
	Purposes	Water Supply, Recreation

Parameters	In Situ	Parameter (<i>Descriptions</i>)	Result	Notes/Comments
		Average Turbidity	18 NTU	33% of values > OWQS of 25 NTU (n=12)
		Average Secchi Disk Depth	49.1 cm	
		Water Clarity Rating	Poor	
		Chlorophyll-a	38.95 mg/m ³	
		Trophic State Index	67	Previous value = 68
	Trophic Class	Hypereutrophic		
	Profile	Salinity	0.40 – 0.50 ppt	
		Specific Conductivity	811.9 – 1010.4 µS/cm	
		pH	8.41 – 8.75 pH units	Slightly alkaline
		Oxidation-Reduction Potential	189.5 – 425.0 mV	
		Dissolved Oxygen	All data points are above screening level of 2.0 mg/L	Not stratified during any sampling interval
	Nutrients	Surface Total Nitrogen	1.095 mg/L to 1.635 mg/L	
		Surface Total Phosphorus	0.057 mg/L to 0.233 mg/L	
		Nitrogen to Phosphorus Ratio	9:1	Possibly co- limited

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

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

Notes
 *The lake is listed in the WQS as a NLW indicating that the Aesthetics beneficial use is considered threatened by nutrients until studies can be conducted to confirm non-support status
 *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