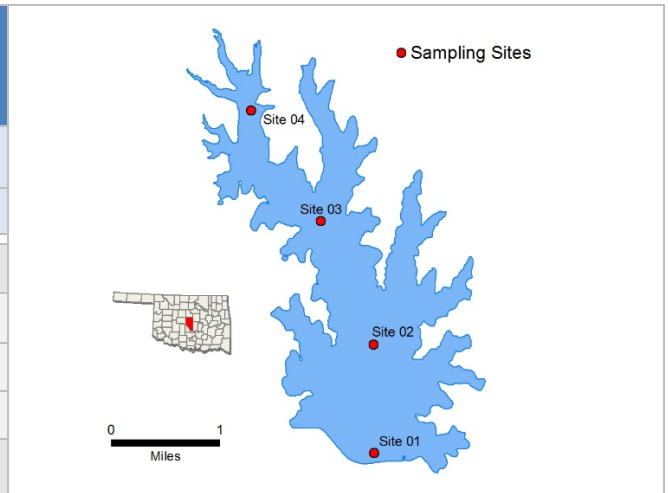


Stanley Draper

Sample Period	Times Visited	Sampling Sites
October 2015 – August 2016	4	5

General	Location	Cleveland County
	Impoundment	1962
	Area	2,900 acres
	Capacity	100,000 acre-feet
	Purposes	Water Supply, Recreation



Parameters	In Situ	Parameter (<i>Descriptions</i>)	Result	Notes/Comments
		Average Turbidity	8 NTU	100% of values < OWQS of 25 NTU
		Average Secchi Disk Depth	104 cm	
		Water Clarity Rating	Excellent	
		Chlorophyll-a	2.7 mg/m3	
		Trophic State Index	40	Previous value = 36
	Trophic Class	Oligotrophic		
	Profile	Salinity	0.05 – 0.06 ppt	
		Specific Conductivity	108.7 – 132.7 µS/cm	
		pH	6.81 – 8.34 pH units	
		Oxidation-Reduction Potential	176.1 – 463.7 mV	
		Dissolved Oxygen	Up to 62% of water column < 2 mg/L in August	
	Nutrients	Surface Total Nitrogen	0.26 mg/L to 0.55 mg/L	
		Surface Total Phosphorus	0.010 mg/L to 0.015 mg/L	
		Nitrogen to Phosphorus Ratio	31:1	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