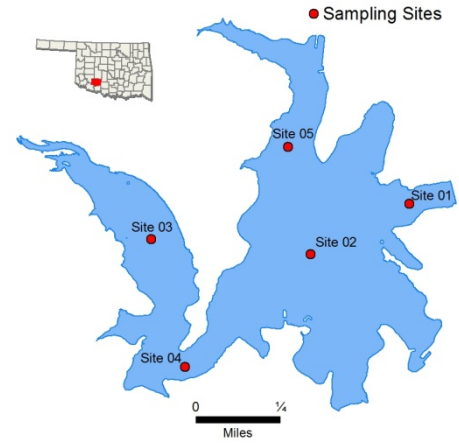


Elmer Thomas

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

General	Location	Comanche County
	Impoundment	
	Area	334 acres
	Capacity	12,000 acre-feet
	Purposes	Recreation



Parameters	Parameter (<i>Descriptions</i>)		Result	Notes/Comments
	In Situ	Average Turbidity	2 NTU	100% of values < OWQS of 25 NTU
		Average Secchi Disk Depth	209 cm	
		Water Clarity Rating	Excellent	
		Chlorophyll-a	5.1 mg/m ³	
		Trophic State Index	47	Previous Value=39
		Trophic Class	Mesotrophic	
	Profile	Salinity	0.05 – 0.11 ppt	
		Specific Conductivity	106 – 226.2 µS/cm	
		pH	6.15 – 7.96 pH units	10% of values < 6.5 pH units
		Oxidation-Reduction Potential	36.7 to 575.8 mV	
		Dissolved Oxygen	Up to 74% of water column < 2 mg/L in July	
	Nutrients	Surface Total Nitrogen	0.58 mg/L to 0.62 mg/L	
		Surface Total Phosphorus	0.008 mg/L to 0.016 mg/L	
		Nitrogen to Phosphorus Ratio	49:1	Phosphorus limited

Beneficial Uses	Click to learn more about Beneficial Uses	Turbidity	pH	Dissolved Oxygen	Metals	TSI	True Color	Sulfates	Chlorides	Total Dissolved Solids	Enterococci & E. coli	Chlor-a
	Fish & Wildlife Propagation	S	S	NS	S							
	Aesthetics					S	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