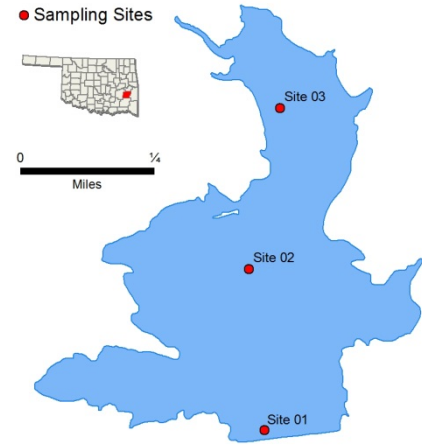


Carl Albert

Sample Period	Times Visited	Sampling Sites
November 2016 - August 2017	4	5

General	Location	Latimer County
	Impoundment	1964
	Area	183 acres
	Capacity	2,739 acre-feet
	Purposes	Water Supply, Flood Control, and Recreation



Parameters		Parameter (<i>Descriptions</i>)	Result	Notes/Comments
		In Situ	Average Turbidity	5 NTU
Average Secchi Disk Depth	125 cm			
Water Clarity Rating	Excellent			
Chlorophyll-a	4.25 mg/m ³			
Trophic State Index	45		Previous value = 41	
Trophic Class	Mesotrophic			
Profile	Salinity	0.02 - 0.06 ppt		
	Specific Conductivity	40.9 - 136 μS/cm		
	pH	5.99 - 7.49 pH units	16% of values < 6.5 units	
	Oxidation-Reduction Potential	86.5 to 594 mV		
	Dissolved Oxygen	Up to 61% of water column < 2 mg/L in August	Occurred at site 1, the dam	
Nutrients	Surface Total Nitrogen	0.32 mg/L to 0.45 mg/L		
	Surface Total Phosphorus	0.014 mg/L to 0.023 mg/L		
	Nitrogen to Phosphorus Ratio	22:1	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	NS	NEI	S							
	Aesthetics					S	*					
	Agriculture							S	S	S		
	Primary Body Contact Recreation										S	
	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