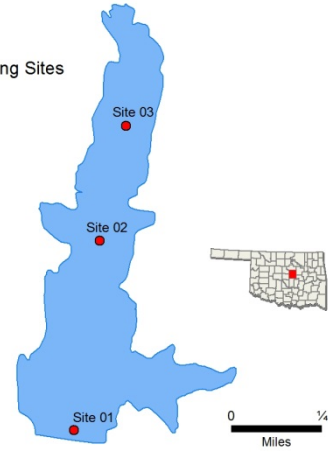


Chandler

● Sampling Sites



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

General	Location	Lincoln County
	Impoundment	1960
	Area	129 acres
	Capacity	2,778 acre-feet
	Purposes	Water Supply and Recreation

Parameters	Parameter (<i>Descriptions</i>)		Result	Notes/Comments
	In Situ	Average Turbidity	21 NTU	33% of values > 25 NTU
		Average Secchi Disk Depth	49 cm	
		Water Clarity Rating	Average	
		Chlorophyll-a	24.97 mg/m ³	
		Trophic State Index	62	Previous value = 60
		Trophic Class	Eutrophic	
	Profile	Salinity	0.14 - 0.20 ppt	
		Specific Conductivity	303.9 – 448.7 μS/cm	
		pH	6.73 – 8.83 pH units	Neutral to slightly alkaline
		Oxidation-Reduction Potential	50.4 to 420.8 mV	
		Dissolved Oxygen	Up to 54% of water column < 2 mg/L in August	At Site 3
	Nutrients	Surface Total Nitrogen	0.88 mg/L to 1.08 mg/L	
		Surface Total Phosphorus	0.023 mg/L to 0.062 mg/L	
		Nitrogen to Phosphorus Ratio	24:1	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	NEI	S							
	Aesthetics					S	*					
	Agriculture							S	S	S		
	Primary Body Contact Recreation										S	
	Public & Private Water Supply											NS

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