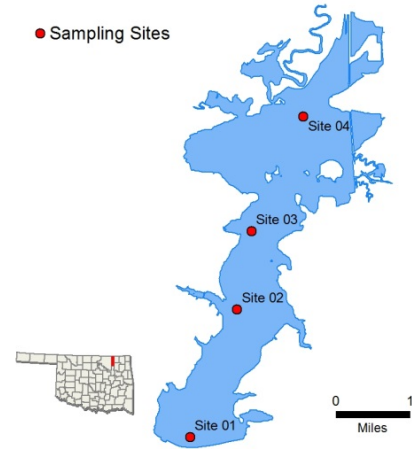


Copan

● Sampling Sites



Sample Period	Times Visited	Sampling Sites
November 2017 –July 2018	4	4

General	Location	Washington County
	Impoundment	1983
	Area	4,850 acres
	Capacity	43,400 acre-feet
	Purposes	Flood Control, Water Supply, Water Quality Control, Fish and Wildlife, and Recreation

Parameters	In Situ	Parameter (<i>Descriptions</i>)	Result	Notes/Comments
		Average Turbidity	38 NTU	62% of values > 25 NTU
		Average Secchi Disk Depth	38 cm	
		Water Clarity Rating	Poor	
		Chlorophyll-a	14.32 mg/m ³	
		Trophic State Index	57	Previous value = 53
	Trophic Class	Eutrophic		
	Profile	Salinity	0.11 – 0.13ppt	
		Specific Conductivity	142.3 – 293 μS/cm	
		pH	7.60– 8.16 pH units	Neutral to slightly alkaline
		Oxidation-Reduction Potential	181.8 to 405.6 mV	
		Dissolved Oxygen		
	Nutrients	Surface Total Nitrogen	0.56 mg/L to 0.97 mg/L	
		Surface Total Phosphorus	0.059 mg/L to 0.169 mg/L	
		Nitrogen to Phosphorus Ratio	8:1	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	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											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
 μS/cm = microsiemens per centimeter
 E. coli = Escherichia coli

OWQS = Oklahoma Water Quality Standards
 mV = millivolts
 Chlor-a = Chlorophyll-a

mg/L = milligrams per liter
 μS/cm = microsiemens/cm

ppt = parts per thousand
 En = Enterococci