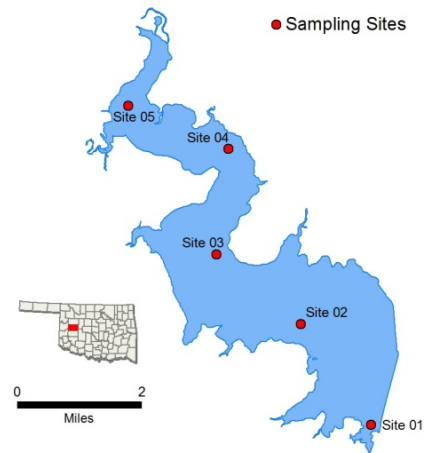


Foss

Sample Period	Times Visited	Sampling Sites
November 2017 – August 2018	4	5

General	Location	Custer County
	Impoundment	1961
	Area	8,800 acres
	Capacity	256,220 acre-feet
	Purposes	Recreation



Parameters	Parameter (<i>Descriptions</i>)		Result	Notes/Comments
	In-Situ	Average Turbidity	5 NTU	100% of values < OWQS of 25 NTU
		Average Secchi Disk Depth	120 cm	
		Water Clarity Rating	Good	
		Chlorophyll-a	5.81 mg/m3	
		Trophic State Index	48	Previous Value= 55
		Trophic Class	Mesotrophic	
	Profile	Salinity	1.19– 1.27 ppt	
		Specific Conductivity	2304.0 – 2481.34 µS/cm	
		pH	7.31 – 8.34 pH units	
		Oxidation-Reduction Potential	-42.6 to 497.4 mV	
		Dissolved Oxygen	Up to 15% of water column < 2 mg/L in August	
	Nutrients	Surface Total Nitrogen	0.565 mg/L to 0.995 mg/L	
		Surface Total Phosphorus	0.011 mg/L to 0.048 mg/L	
		Nitrogen to Phosphorus Ratio	36:1	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	NEI							
	Aesthetics					S	*					
	Agriculture							S	S	S		
	Primary Body Contact Recreation										NEI	
	Public & Private Water Supply				NEI							

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