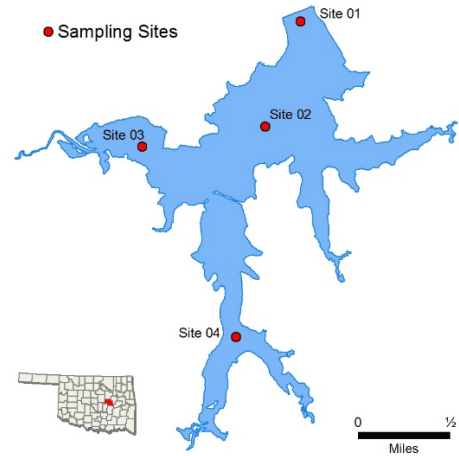


Okemah



Sample Period	Times Visited	Sampling Sites
November 2018 – September 2019	3	4

General	Location	Okfuskee County
	Impoundment	1962
	Area	13,100 acre-feet
	Capacity	Water Supply, Recreation
	Purposes	761 acres

Parameters	In Situ	Parameter (<i>Descriptions</i>)	Result	Notes/Comments
		Average Turbidity	13 NTU	13% of values > OWQS of 25 NTU (n=15)
		Average Secchi Disk Depth	82 cm	
		Water Clarity Rating	Good	
		Chlorophyll-a	8.42 mg/m ³	
		Trophic State Index	52	Previous value = 54
	Trophic Class	Eutrophic		
	Profile	Salinity	0.07 – 0.10 ppt	
		Specific Conductivity	150.6 – 208.8 µS/cm	
		pH	6.76 – 8.14 pH units	Neutral to slightly alkaline
		Oxidation-Reduction Potential	61.5 – 493.9 mV	
		Dissolved Oxygen	Up to 49% of water column < 2 mg/L in September	
	Nutrients	Surface Total Nitrogen	0.49 mg/L to 0.95 mg/L	
		Surface Total Phosphorus	0.015 mg/L to 0.058 mg/L	
		Nitrogen to Phosphorus Ratio	21:1	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	S	S	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