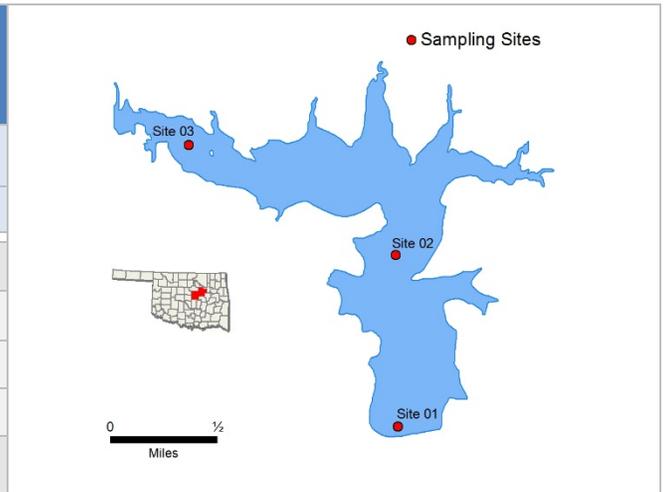


# Stroud

Sample Period	Times Visited	Sampling Sites
October 2018 – July 2019	4	3

General	Location	Creek County
	Impoundment	1968
	Area	600 acres
	Capacity	8,800 acre-feet
	Purposes	Water Supply, Recreation, Flood Control



Parameters	In Situ	Parameter ( <i>Descriptions</i> )	Result	Notes/Comments
		Average Turbidity	12 NTU	8% of values > OWQS of 25 NTU (n=12)
		Average Secchi Disk Depth	74.8 cm	
		Water Clarity Rating	Good	
		Chlorophyll-a	7.10 mg/m <sup>3</sup>	
		Trophic State Index	50	Previous value = 45
	Trophic Class	Mesotrophic		
	Profile	Salinity	0.09 – 0.1 ppt	
		Specific Conductivity	180.9 – 213.9 μS/cm	
		pH	7.03 – 8.34 pH units	Neutral to slightly alkaline
		Oxidation-Reduction Potential	84.0 – 485.7 mV	
		Dissolved Oxygen	Up to 53% of water column < 2 mg/L in July	
	Nutrients	Surface Total Nitrogen	0.47 mg/L to 0.79 mg/L	
		Surface Total Phosphorus	0.014 mg/L to 0.044 mg/L	
		Nitrogen to Phosphorus Ratio	26:1	Phosphorus limited

Beneficial Uses	<a href="#">Click to learn more about Beneficial Uses</a>	Turbidity	pH	Dissolved Oxygen	Metals	TSI	True Color	Sulfates	Chlorides	Total Dissolved Solids	Enterococci & E. coli	Chlor-a
	Fish & Wildlife Propagation	S	S	S	S							
	Aesthetics					S	*					
	Agriculture							S	S	S		
	Primary Body Contact Recreation										S	
	Public & Private Water Supply											
<i>S = Fully Supporting</i> <i>NS = Not Supporting</i> <i>NEI = Not Enough Information</i>		<b>Notes</b> *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