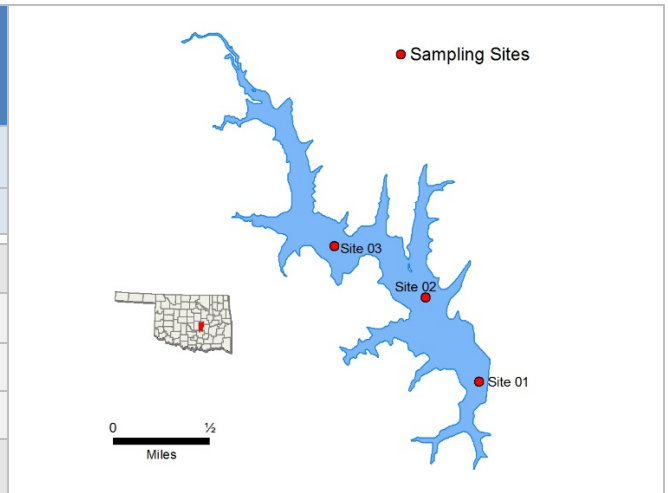


# Sportsman

Sample Period	Times Visited	Sampling Sites
November 2018 – September 2019	4	5

General	Location	Seminole County
	Impoundment	1958
	Area	354 acres
	Capacity	5,349 acre feet
	Purposes	Waters Supply and Recreation



Parameters	Parameter ( <i>Descriptions</i> )		Result	Notes/Comments
	In Situ	Average Turbidity	13 NTU	8% of values > OWQS of 25 NTU (n=12)
		Average Secchi Disk Depth	90.8 cm	
		Water Clarity Rating	Good	
		Chlorophyll-a	3.74 mg/m3	
		Trophic State Index	44	Previous value = 47
		Trophic Class	Mesotrophic	
	Profile	Salinity	0.09 – 0.28 ppt	
		Specific Conductivity	187.0 – 582.6 µS/cm	
		pH	6.52 – 8.35 pH units	Neutral to slightly alkaline
		Oxidation-Reduction Potential	96.9 to 489.1 mV	
		Dissolved Oxygen	Up to 57% of water column < 2 mg/L in September	
	Nutrients	Surface Total Nitrogen	0.37 mg/L to 0.675 mg/L	
		Surface Total Phosphorus	0.013 mg/L to 0.037 mg/L	
		Nitrogen to Phosphorus Ratio	23:1	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	NS	S	NEI	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