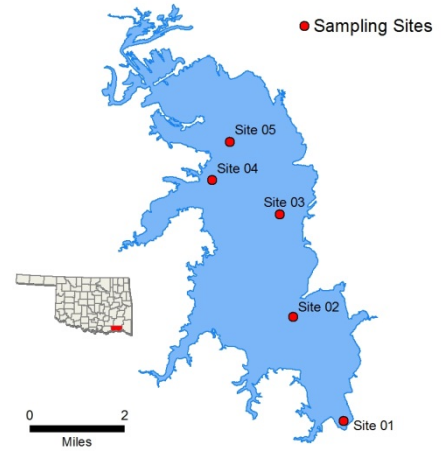


# Hugo

Sample Period	Times Visited	Sampling Sites
November 2016 - August 2017	4	5

General	Location	Choctaw County
	Impoundment	1974
	Area	13,250 acres
	Capacity	157,600 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	36 NTU	88% of values > OWQS of 25 NTU
		Average Secchi Disk Depth	37 cm	
		Water Clarity Rating	Poor	
		Chlorophyll-a	14.35 mg/m <sup>3</sup>	
		Trophic State Index	57	Previous value = 61
	Trophic Class	Eutrophic		
	Profile	Salinity	0.02 – 134.9 ppt	
		Specific Conductivity	54.3 – 142.2 μS/cm	
		pH	6.3 – 8.3 pH units	Only 5.3% values < 6.5 pH units
		Oxidation-Reduction Potential	181.8 to 548.5 mV	
		Dissolved Oxygen	Up to 50% of water column < 2 mg/L in August	
	Nutrients	Surface Total Nitrogen	0.4 mg/L to 0.76 mg/L	
		Surface Total Phosphorus	0.047 mg/L to 0.082mg/L	
		Nitrogen to Phosphorus Ratio	9:1	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	NS	S	S							
	Aesthetics					S	*					
	Agriculture							N/A	N/A	S		
	Primary Body Contact Recreation										S	
	Public & Private Water Supply				S							
<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