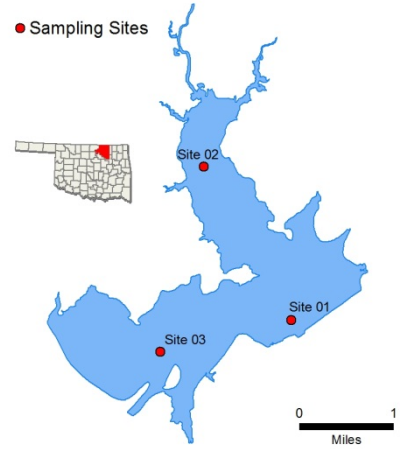


# Hulah



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

General	Location	Osage County
	Impoundment	1951
	Area	3,570 acres
	Capacity	31,160 acre-feet
	Purposes	Flood Control, Water Supply, Low-flow Regulation, and Conservation

Parameters	Parameter ( <i>Descriptions</i> )		Result	Notes/Comments
	In Situ	Average Turbidity	44 NTU	78% of values > OWQS of 25 NTU (n=9)
		Average Secchi Disk Depth	26 cm	
		Water Clarity Rating	Poor	
		Chlorophyll-a	16.77 mg/m <sup>3</sup>	
		Trophic State Index	58	Previous value = 54
		Trophic Class	Eutrophic	
	Profile	Salinity	0.12 - 0.20 ppt	
		Specific Conductivity	258.3 – 418.8 µS/cm	
		pH	7.29 – 8.43 pH units	Neutral to slightly alkaline
		Oxidation-Reduction Potential	177.7 to 427.10 mV	
		Dissolved Oxygen	Up to 35% of water column < 2 mg/L in August	
	Nutrients	Surface Total Nitrogen	0.44 mg/L to 1.33 mg/L	
		Surface Total Phosphorus	0.050 mg/L to 0.153 mg/L	
		Nitrogen to Phosphorus Ratio	10:1	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	Enteroc. & E. coli	Chlor-a
	Fish & Wildlife Propagation	NS	S	S	S							
	Aesthetics					NEI	N/A					
	Agriculture							N/A	N/A	S		
	Primary Body Contact Recreation										S	
	Public & Private Water Supply				S							

**Notes** Currently, this lake is listed as a Nutrient Limited Watershed (NLW) in the Oklahoma Water Quality Standards (WQS). This means that the lake is considered threatened from nutrients until a more intensive study can confirm the Aesthetics beneficial use non-support status.\*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