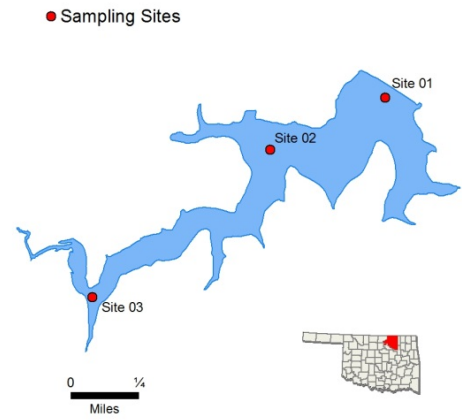


# Hominy Municipal

Sample Period	Times Visited	Sampling Sites
November 2017 - July 2018	4	3

General	Location	Osage County
	Impoundment	1940
	Area	165 acres
	Capacity	5,000 acre-feet
	Purposes	Water Supply, Recreation



Parameters	In-Situ	Parameter ( <i>Descriptions</i> )	Result	Notes/Comments
		Average Turbidity	6 NTU	100% of values < OWQS of 25 NTU
		Average Secchi Disk Depth	130 cm	
		Water Clarity Rating	Excellent	
		Chlorophyll-a	6.13 mg/m <sup>3</sup>	
		Trophic State Index	48	Previous value = 56
	Trophic Class	Mesotrophic		
	Profile	Salinity	0.09 – 0.11 ppt	
		Specific Conductivity	198.2 – 234.6 μS/cm	
		pH	6.78 – 8.29 pH units	
		Oxidation-Reduction Potential	92.5 – 478.4 mV	
		Dissolved Oxygen	Up to 44% of water column < 2 mg/L in July	
	Nutrients	Surface Total Nitrogen	0.445 mg/L to 0.765 mg/L	
		Surface Total Phosphorus	0.012 mg/L to 0.027 mg/L	
		Nitrogen to Phosphorus Ratio	31:1	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	S	S	NS	S							
	Aesthetics					S	*					
	Agriculture							S	S	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