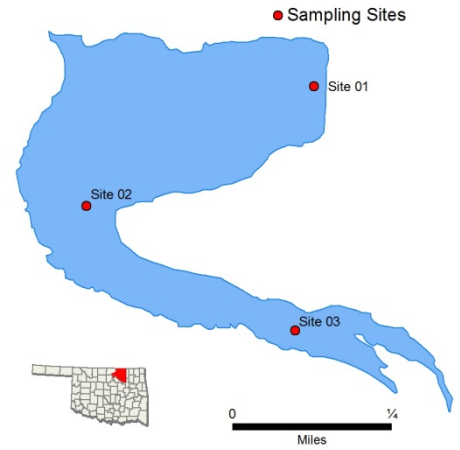


Bixhoma



Sample Period	Times Visited	Sampling Sites
December 2014 – September 2015	4	3

General	Location	Wagoner County
	Impoundment	1965
	Area	110 acres
	Capacity	3,130 acre-feet
	Purposes	Water Supply, Recreation

Parameters	In Situ	Parameter (<i>Descriptions</i>)	Result	Notes/Comments
		Average Turbidity	4 NTU	0% of values > OWQS of 25 NTU
		Average Secchi Disk Depth	146 cm	
		Water Clarity Rating	Excellent	
		Chlorophyll-a	7 mg/m ³	
		Trophic State Index	50	Previous TSI = 45
	Trophic Class	Mesotrophic		
	Profile	Salinity	0.02 – 0.11 ppt	
		Specific Conductivity	48.5 – 225 µS/cm	
		pH	5.85 – 8.31 pH units	9.7% values < 6.5 pH units
		Oxidation-Reduction Potential	47.5 – 567.8 mV	
		Dissolved Oxygen	Up to 38% of water column < 2 mg/L in September	
	Nutrients	Surface Total Nitrogen	0.31 mg/L to 0.82 mg/L	
		Surface Total Phosphorus	0.005 mg/L to 0.038 mg/L	
		Nitrogen to Phosphorus Ratio	28:1	Phosphorus limited

Beneficial Uses	Click to learn more about Beneficial Uses	Turbidity	pH	Dissolved Oxygen	Metals	TSI	True Color	Sulfates	Chlorides	Total Dissolved Solids	Enteroc. & E. coli	Chlor-a
	Fish & Wildlife Propagation	S	NS	NS								
	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>		Notes *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