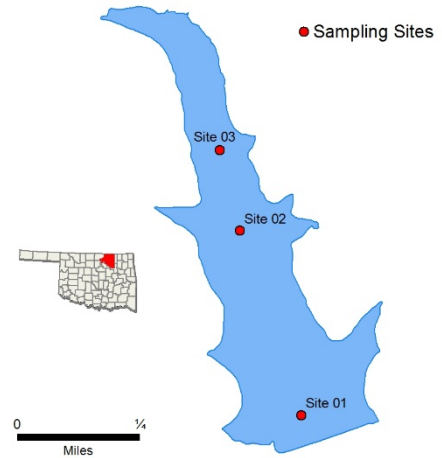


# Pawhuska

Sample Period	Times Visited	Sampling Sites
October 2016 – July 2017	4	5

General	Location	Osage County
	Impoundment	1936
	Area	96 acres
	Capacity	3,600 acre feet
	Purposes	Water Supply and Recreation



Parameters	Parameter ( <i>Descriptions</i> )	Result	Notes/Comments	
	Average Turbidity	5 nephelometric turbidity units (NTU)	All values < 25 NTU	
	Average Secchi Disk Depth	135 cm		
	Water Clarity Rating	excellent		
	Chlorophyll	4.18 mg/L		
	Trophic State Index	45	Previous value = 41	
	Trophic Class	mesotrophic		
	Profile	Salinity	0.21 – 0.27 ppt	
		Specific Conductivity	433 – 549.6 µS/cm	
		pH	7.14 – 8.42 pH units	Neutral to slightly alkaline
		Oxidation-Reduction Potential	-17.6 to 524 mV	
		Dissolved Oxygen	Up to 64% of water column < 2 mg/L in July	Occurred at site 1
	Nutrients	Surface Total Nitrogen	0.31 mg/L to 0.69 mg/L	
		Surface Total Phosphorus	0.010 mg/L to 0.028 mg/L	
		Nitrogen to Phosphorus Ratio	29:1	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	S	S	NEI	S							
	Aesthetics					S	*					
	Agriculture							NS	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