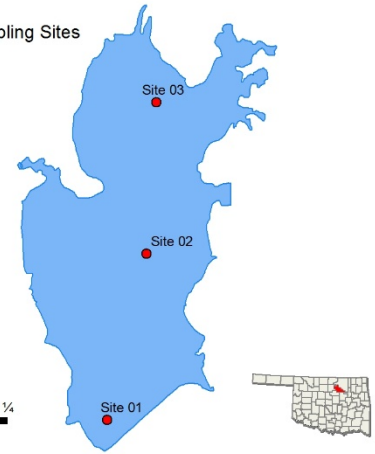


Pawnee

● Sampling Sites



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

General	Location	Pawnee County
	Impoundment	1932
	Area	257 acres
	Capacity	3,855 acre-feet
	Purposes	Water Supply, Recreation

Parameters	Parameter (<i>Descriptions</i>)		Result	Notes/Comments
	In Situ	Average Turbidity	15 NTU	8% of values > OWQS of 25 NTU
		Average Secchi Disk Depth	52 cm	
		Water Clarity Rating	average	
		Chlorophyll	20.01 mg/L	
		Trophic State Index	60	Previous = 59
		Trophic Class	eutrophic	
	Profile	Salinity	0.13 – 0.17 ppt	
		Specific Conductivity	275.7 – 350 µS/cm	
		pH	7.24 – 8.51 pH units	Neutral to slightly alkaline
		Oxidation-Reduction Potential	170.9 - 432.1 mV	
		Dissolved Oxygen	Up to 24% of water column < 2 mg/L in October	At site 3
	Nutrients	Surface Total Nitrogen	0.92 mg/L to 1.36 mg/L	
		Surface Total Phosphorus	0.041 mg/L to 0.065 mg/L	
		Nitrogen to Phosphorus Ratio	22:1	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	NS	S	S	S							
	Aesthetics					S	*					
	Agriculture							S	S	S		
	Primary Body Contact Recreation										S	
	Public & Private Water Supply											NS
	<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