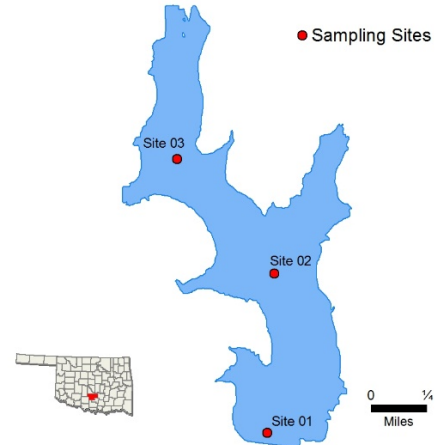


Pauls Valley City

Sample Period	Times Visited	Sampling Sites
December 2017 – August 2018	4	3

General	Location	Garvin County
	Impoundment	1954
	Area	750 acres
	Capacity	8,730 acre feet
	Purposes	Water Supply and Recreation



Parameters	Parameter (<i>Descriptions</i>)		Result	Notes/Comments
	In Situ	Average Turbidity	31 NTU	50% of values > 25 NTU
		Average Secchi Disk Depth	45 cm	
		Water Clarity Rating	Fair	
		Chlorophyll-a	7.51 mg/m ³	
		Trophic State Index	50	Previous value = 54
		Trophic Class	Mesotrophic	
	Profile	Salinity	0.10– 0.15 ppt	
		Specific Conductivity	185.1 – 312.2 μS/cm	
		pH	7.15 – 8.37 pH units	Neutral to slightly alkaline
		Oxidation-Reduction Potential	-5.2 – 495.7 mV	
		Dissolved Oxygen	Up to 21% of water column < 2 mg/L in August	
	Nutrients	Surface Total Nitrogen	0.48 mg/L to 1.00 mg/L	
Surface Total Phosphorus		0.023 mg/L to 0.086 mg/L		
Nitrogen to Phosphorus Ratio		14:1	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											
<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