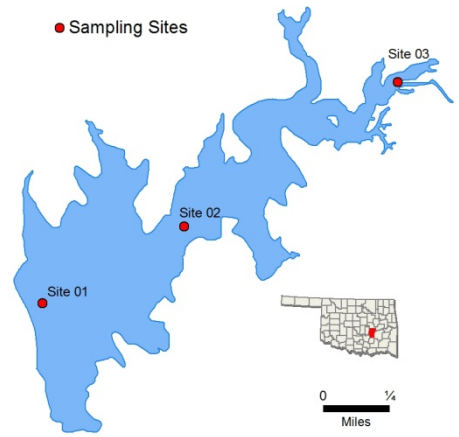


Holdenville



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

General	Location	Hughes County
	Impoundment	1931
	Area	550 acres
	Capacity	11,000 acre-feet
	Purposes	Water Supply, Recreation

Parameters	Parameter (<i>Descriptions</i>)		Result	Notes/Comments
	In Situ	Average Turbidity	22 NTU	25% of values > OWQS of 25 NTU (n=12)
		Average Secchi Disk Depth	50 cm	
		Water Clarity Rating	Fair	
		Chlorophyll-a	14.86 mg/m ³	
		Trophic State Index	57	Previous value = 58
		Trophic Class	Eutrophic	
	Profile	Salinity	0.08 – 0.14 ppt	
		Specific Conductivity	151.1 – 285.9 µS/cm	
		pH	5.99 – 8.78 pH units	5% of values < OWQS of 6.5
		Oxidation-Reduction Potential	-3.9 to 618.2 mV	
		Dissolved Oxygen	Up to 61% of water column < 2 mg/L in July	
	Nutrients	Surface Total Nitrogen	0.73 mg/L to 1.23 mg/L	
Surface Total Phosphorus		0.024 mg/L to 0.081 mg/L		
Nitrogen to Phosphorus Ratio		20:1	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	NS	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