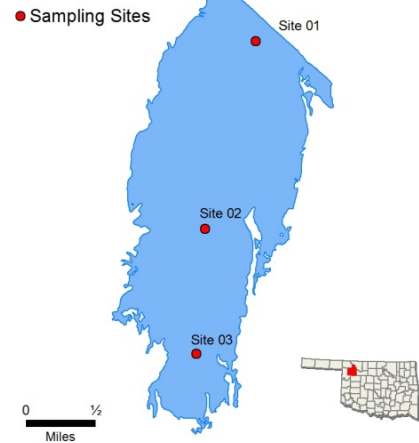


Ft. Supply



Sample Period	Times Visited	Sampling Sites
December 2017 - August 2018	3	3

General	Location	Woodward County
	Impoundment	1942
	Area	1,820 acres
	Capacity	13,900 acre-feet
	Purposes	Flood Control, Conservation Purposes

Parameters	In-Situ	Parameter (<i>Descriptions</i>)	Result	Notes/Comments
		Average Turbidity	47 NTU	67% of values > OWQS of 25 NTU
		Average Secchi Disk Depth	28 cm	
		Water Clarity Rating	Fair to Poor	
		Chlorophyll-a	32.4 mg/m ³	
		Trophic State Index	65	Previous value = 66
	Trophic Class	Hypereutrophic		
	Profile	Salinity	0.59 – 0.65 ppt	
		Specific Conductivity	1193.9 – 1490.0 µS/cm	
		pH	8.19 – 8.59 pH units	
		Oxidation-Reduction Potential	254.7 to 409.0 mV	
		Dissolved Oxygen	Up to 9% of water column < 2 mg/L in May	
	Nutrients	Surface Total Nitrogen	0.875 mg/L to 1.665 mg/L	
		Surface Total Phosphorus	0.053 mg/L to 0.117 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	En & E. coli	Chlor-a
	Fish & Wildlife Propagation	NS	S	S	S							
	Aesthetics					NEI	*					
	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 *The lake is listed in the WQS as a NLW indicating that the Aesthetics beneficial use is considered threatened by nutrients until studies can be conducted to confirm non-support status. *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