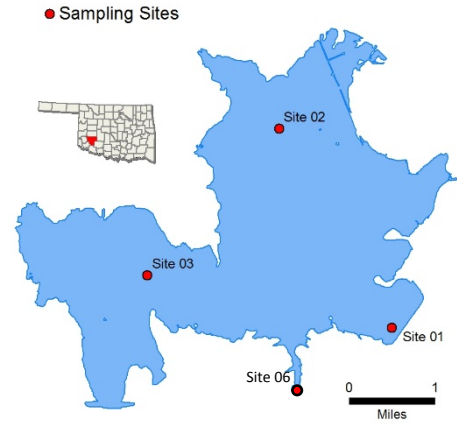


Tom Steed

Sample Period	Times Visited	Sampling Sites
October 2017 – July 2018	4	4

General	Location	Kiowa County
	Impoundment	1975
	Area	6,400 acres
	Capacity	88,970 acre-feet
	Purposes	Flood Control, Water Supply, Recreation, Fish & Wildlife



Parameters	Parameter (<i>Descriptions</i>)	Result	Notes/Comments
	In Situ	Average Turbidity	15 NTU
Average Secchi Disk Depth		61 cm	
Water Clarity Rating		poor	
Chlorophyll-a		13.61 mg/m ³	
Trophic State Index		56	Previous value = 53
Trophic Class		Eutrophic	
Profile	Salinity	0.43 – 0.57 ppt	
	Specific Conductivity	810 – 1300 µS/cm	
	pH	7.58 – 8.59 pH units	
	Oxidation-Reduction Potential	362.1 – 490.6 mV	
	Dissolved Oxygen		All data for this sample year above the screening level of 2 mg/L
Nutrients	Surface Total Nitrogen	0.685 mg/L to 0.88 mg/L	
	Surface Total Phosphorus	0.048 mg/L to 0.096 mg/L	
	Nitrogen to Phosphorus Ratio	12:1	Phosphorus limited

Beneficial Uses	Click to learn more about Beneficial Uses	Turbidity	pH	Dissolved Oxygen	Metals	TSI	True Color	Sulfates	Chlorides	Total Dissolved Solids	Enterro. & 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 Additional site (06) added closer to dam outlet during summer sampling *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