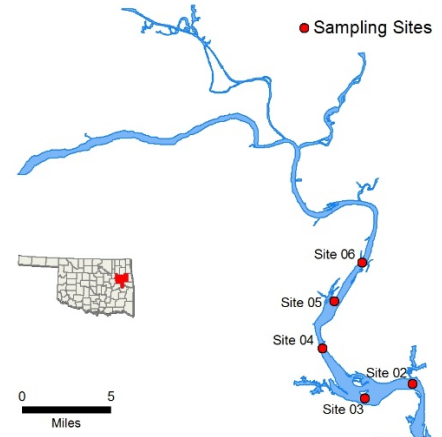


Webbers Falls

Sample Period	Times Visited	Sampling Sites
February 2019	1**	6

General	Location	Muskogee County	Click map for site data
	Impoundment	1965	
	Area	11,600 acres	
	Capacity	170,100 acre-feet	
	Purposes	Navigation, Hydropower	



Parameters	In-Situ	Parameter (Descriptions)	Result	Notes/Comments
		Average Turbidity	16 NTU	0% of values > OWQS of 25 NTU
		Average Secchi Disk Depth	56.2 cm	
		Water Clarity Rating	Poor	
		Chlorophyll-a	21.22 mg/m3	
		Trophic State Index	61	Previous value = 52
	Trophic Class	Hypereutrophic		
	Profile	Salinity	0.26 – 0.49 ppt	
		Specific Conductivity	528.1 – 997.3 µS/cm	
		pH	8.07 – 8.20 pH units	
		Oxidation-Reduction Potential	395.5 – 409.0 mV	
		Dissolved Oxygen	All data are above screening level of 2.0 mg/L	
	Nutrients	Surface Total Nitrogen	1.25 mg/L to 1.48 mg/L	
Surface Total Phosphorus		0.144 mg/L to 0.154 mg/L		
Nitrogen to Phosphorus Ratio		10:1	Possibly co-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					S	*					
	Agriculture							S	S	S		
	Primary Body Contact Recreation										NS	
	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. **Only one visit in SY19 due to extreme flooding										

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