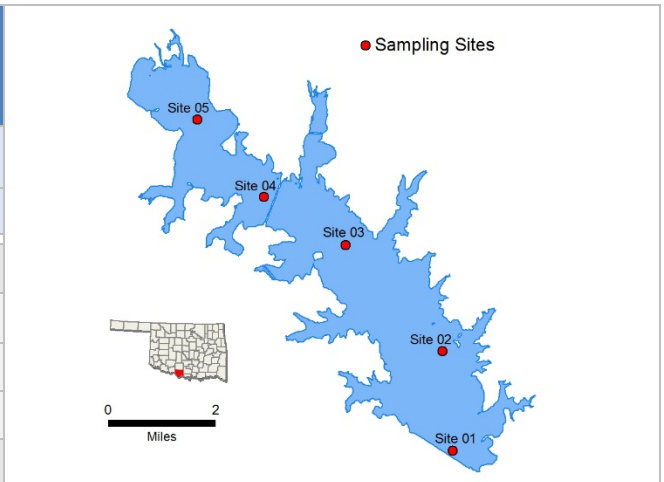
Waurika

Sample Period	Times Visited	Sampling Sites
October 2017 – July 2018	4	5



General

Location	Jefferson County
Impoundment	1977
Area	10,100 acres
Capacity	203,100 acre feet
Purposes	Flood Control, Irrigation, Water Supply, Water Quality Control, Fish and Wildlife, and

Parameters

	Parameter (Descriptions)	Result	Notes/Comments
In Situ	Average Turbidity	17 NTU	25% of values > 25 NTU
	Average Secchi Disk Depth	72 cm	
	Water Clarity Rating	Fair	
	Chlorophyll-a	10.61 mg/m3	
	Trophic State Index	54	Previous value = 57
	Trophic Class	Eutrophic	
Profile	Salinity	0.25 – 0.32 ppt	
	Specific Conductivity	507 – 686 µS/cm	
	pH	7.86 – 8.70 pH units	
	Oxidation-Reduction Potential	46.1 – 501.6 mV	
	Dissolved Oxygen	Up to 57% of water column < 2.0 mg/L in July	
Nutrients	Surface Total Nitrogen	0.525 mg/L to 0.975 mg/L	
	Surface Total Phosphorus	0.079 mg/L to 0.179 mg/L	
	Nitrogen to Phosphorus Ratio	6:1	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					*	S					
Agriculture							S	S	S		
Primary Body Contact Recreation										NEI	
Public & Private Water Supply											NS

S = Fully Supporting
NS = Not Supporting
NEI = Not Enough Information

Notes

*Standards revision, true color is for permitting purposes only.

NTU = nephelometric turbidity units
µS/cm = microsiemens per centimeter
E. coli = Escherichia coli
OWQS = Oklahoma Water Quality Standards
mV = millivolts
Chlor-a = Chlorophyll-a
mg/L = milligrams per liter
µS/cm = microsiemens/cm
ppt = parts per thousand
En = Enterococci

Sampling and Assessment by the Oklahoma Water Resources Board – 3800 Classen Blvd, Oklahoma City, OK, 73118 – 405.530.8800 – http://www.owrb.ok.gov
Bathy map available: http://www.owrb.ok.gov/maps/PMG/owrbdata_Bathy.html