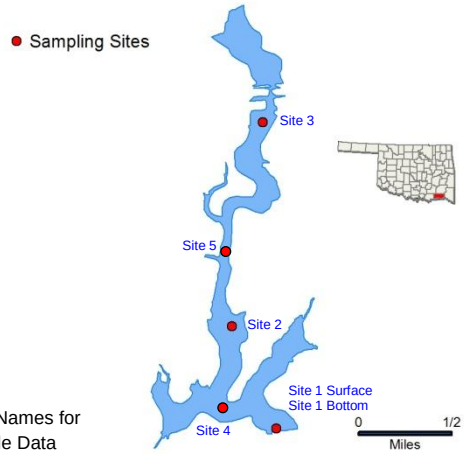
Raymond Gary

Sample Period	Times Visited	Sampling Sites
November 2008 – August 2009	4	5



Click Site Names for Available Data

General

Location	Choctaw County	Click map for site data
Impoundment	1956	
Area	263 acres	
Capacity	1,681 acre feet	
Purposes	Recreation	

Parameters

	Parameter (Descriptions)	Result	Notes/Comments
In Situ	Average Turbidity	11 NTU	100% of values < OWQS of 25 NTU (n=11)
	Average True Color		Did not collect for true color
	Average Secchi Disk Depth	55 cm	
	Water Clarity Rating	Average	
	Trophic State Index	55	Previous value = 55
	Trophic Class	Eutrophic	
Profile	Salinity	0.00 – 0.49 ppt	
	Specific Conductivity	69.3 – 936.2 µS/cm	
	pH	6.61 – 7.83 pH units	
	Oxidation-Reduction Potential	83 to 521 mV	
	Dissolved Oxygen	Up to 67% of water column < 2.0 mg/L in June	Occurred at site 1, the dam
Nutrients	Surface Total Nitrogen	0.30 mg/L to 0.82 mg/L	
	Surface Total Phosphorus	0.005 mg/L to 0.048 mg/L	
	Nitrogen to Phosphorus Ratio	17:1	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	S	S	NEI	S							
Aesthetics					S	*					
Agriculture							S	S	S		
Primary Body Contact Recreation										NEI	
Public & Private Water Supply											

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