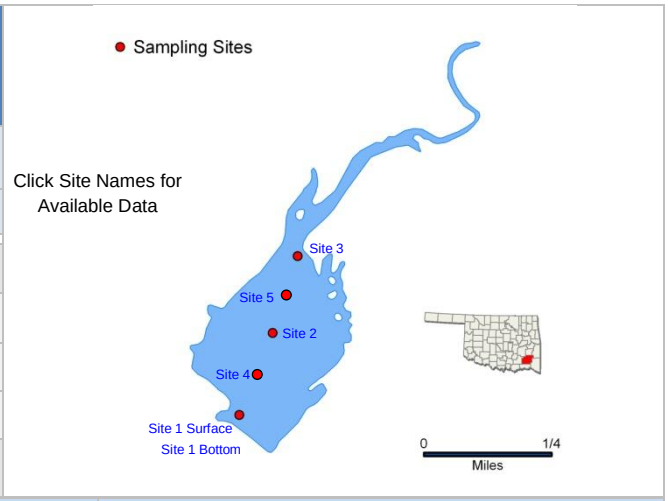
Ozzie Cobb

Sample Period	Times Visited	Sampling Sites
November 2007 – August 2008	4	5



General

Location	Pushmataha County	Click map for site data
Impoundment	1958	
Area	116 acres	
Capacity	833 acre feet	
Purposes	Recreation	

Parameters

	Parameter (Descriptions)	Result	Notes/Comments
In Situ	Average Turbidity	12 nephelometric turbidity units (NTU)	All values < 25 NTU
	Average True Color	51 units	25% of values > OWQS of 70
	Average Secchi Disk Depth	56 cm	
	Water Clarity Rating	average	
	Trophic State Index	59	Previous value = 55
	Trophic Class	eutrophic	
Profile	Salinity	0.00 – 0.20 ppt	
	Specific Conductivity	50.6 - 311 µS/cm	
	pH	6.32 – 7.96 pH units	7 (13%) of values < 6.5
	Oxidation-Reduction Potential	15 to 543 mV	
	Dissolved Oxygen	Up to 50% of water column < 2 mg/L in August	Occurred at site 1
Nutrients	Surface Total Nitrogen	0.47 mg/L to 0.94 mg/L	
	Surface Total Phosphorus	0.034 mg/L to 0.072 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	Enterro. & E. coli	Chlor-a
Fish & Wildlife Propagation	S	NS	S	S							
Aesthetics					NEI	*					
Agriculture							S	S	S		
Primary Body Contact Recreation										S	
Public & Private Water Supply											

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

Notes: *Slightly acidic conditions are not unusual in this part of the state due to relatively low soil pH and lack of soluble bedrock. Because of these conditions it is likely that the low pH values may be due to natural causes; therefore the Water Board is looking at the applicability of developing site-specific criteria for waters in the southeastern portion of the state. **This is an NLW waterbody in the OWQS.*

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