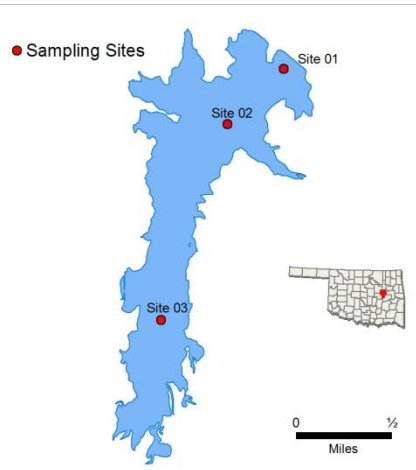
Jim Hall (Henryetta)

Sample Period	Times Visited	Sampling Sites
October 2018 – September 2019	4	5



General

Location	Okmulgee County
Impoundment	1928
Area	450 acres
Capacity	6,600 acre-feet
Purposes	Water Supply and Recreation

Parameters

	Parameter (Descriptions)	Result	Notes/Comments
In Situ	Average Turbidity	65 NTU	100% of values > OWQS of 25 NTU (n=9)
	Average Secchi Disk Depth	22 cm	
	Water Clarity Rating	Poor	
	Chlorophyll-a	5.93 mg/m3	
	Trophic State Index	48	Previous value = 44
	Trophic Class	Mesotrophic	
Profile	Salinity	0.04 - 0.05 ppt	
	Specific Conductivity	76.9 –113.9 µS/cm	
	pH	6.32 – 7.45 pH units	9.8% of recorded values <6.5
	Oxidation-Reduction Potential	252 to 502.3 mV	
	Dissolved Oxygen	Up to 17% of water column < 2 mg/L in September	
Nutrients	Surface Total Nitrogen	0.72 mg/L to 1.04 mg/L	
	Surface Total Phosphorus	0.092 mg/L to 0.125 mg/L	
	Nitrogen to Phosphorus Ratio	9:1	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	NS							
Aesthetics					S	*					
Agriculture							N/A	N/A	S		
Primary Body Contact Recreation										S	
Public & Private Water Supply				NS							

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

Notes

Not supporting for lead as chronic criteria was exceeded. All other toxicants are fully supporting. 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