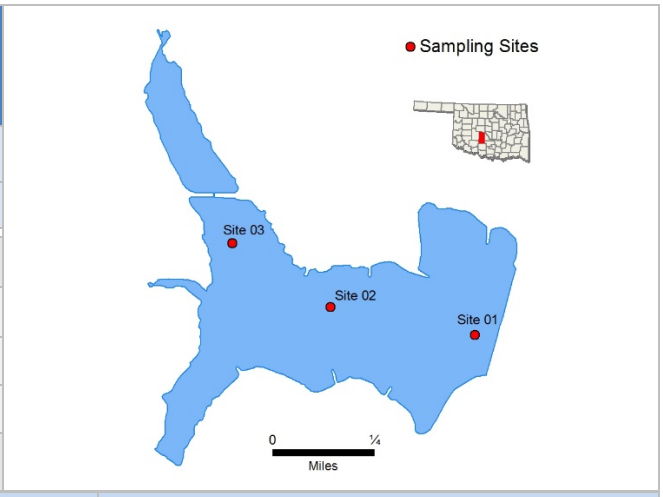
Taylor

Sample Period	Times Visited	Sampling Sites
October 2018 – July 2019	4	3



General

Location	Grady County
Impoundment	1960
Area	227 acres
Capacity	1,877 acre feet
Purposes	Waters Supply, Flood Control, and Recreation

Parameters

	Parameter (Descriptions)	Result	Notes/Comments
In Situ	Average Turbidity	13 NTU	100% of values < OWQS of 25 NTU (n=12)
	Average Secchi Disk Depth	52.4 cm	
	Water Clarity Rating	Average	
	Chlorophyll-a	51.32 mg/m3	
	Trophic State Index	69	Previous value = 68
	Trophic Class	Hypereutrophic	
Profile	Salinity	0.21 – 0.30 ppt	
	Specific Conductivity	432.9 – 620.8 µS/cm	
	pH	7.49 – 8.97 pH units	
	Oxidation-Reduction Potential	31.7 to 444.6 mV	
	Dissolved Oxygen	Up to 15% of water column <2 mg/L in July	
Nutrients	Surface Total Nitrogen	1.315 mg/L to 1.935 mg/L	
	Surface Total Phosphorus	0.078 mg/L to 0.181 mg/L	
	Nitrogen to Phosphorus Ratio	14:1	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	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

**Standards revision, true color is for permitting purposes only
*Currently, the lake is listed as a Nutrient Limited Watershed (NLW) in the Oklahoma Water Quality Standards (WQS). This listing means that the lake is considered threatened from nutrients until a more intensive study can confirm the Aesthetics beneficial use non-support status.

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