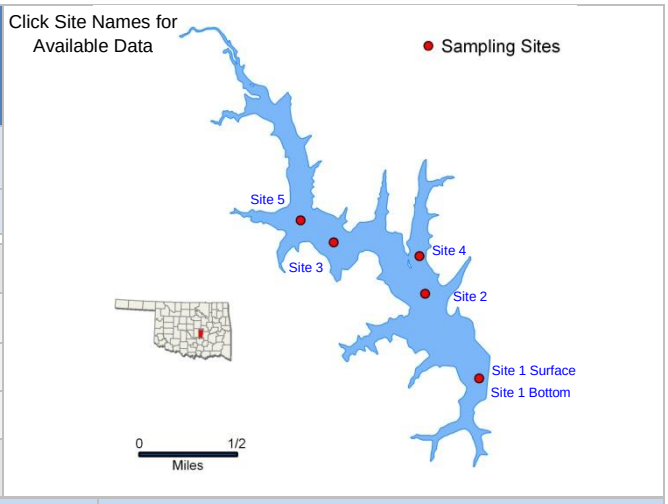
Sportsman

Sample Period	Times Visited	Sampling Sites
October 2013 – July 2014	4	5



General

Location	Seminole County	Click map for site data
Impoundment	1958	
Area	354 acres	
Capacity	5,349 acre feet	
Purposes	Waters Supply and Recreation	

Parameters

	Parameter (Descriptions)	Result	Notes/Comments
In Situ	Average Turbidity	8 NTU	100% of values < OWQS of 25 NTU (n=12)
	Average Secchi Disk Depth	90 cm	
	Water Clarity Rating	Good	
	Chlorophyll-a	5.44 mg/m3	
	Trophic State Index	47	Previous value = 43
	Trophic Class	Mesotrophic	
Profile	Salinity	0.13 – 0.19 ppt	
	Specific Conductivity	272 – 397.4 µS/cm	
	pH	6.87 – 8.54 pH units	Neutral to slightly alkaline
	Oxidation-Reduction Potential	71 to 425.6 mV	
	Dissolved Oxygen	Up to 55% of water column < 2 mg/L in July	
Nutrients	Surface Total Nitrogen	0.61 mg/L to 0.78 mg/L	
	Surface Total Phosphorus	0.005 mg/L to 0.012 mg/L	
	Nitrogen to Phosphorus Ratio	101:1	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	NEI	S							
Aesthetics					S	*					
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

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