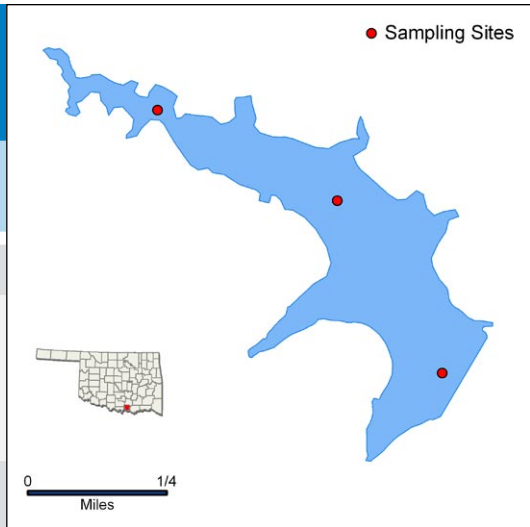


Carter



Sample Period	Times Visited	Sampling Sites
November 2007 - August 2008	4	3

Lake Data	Location	Marshall County
	Impoundment	1960
	Area	108 acres
	Capacity	990 acre-feet
	Purposes	Water Supply and Recreation

Parameters	Parameter	Result	Notes/Comments	
	Average Turbidity	7 NTU	All values < 25 NTU	
	Average True Color	25 units	All Values < OWQS of 70	
	Average Secchi Disk Depth	121 cm		
	Water Clarity Rating	excellent		
	Trophic State Index	40	Previous value = 40	
	Trophic Class	oligotrophic		
	Profile	Salinity	0.10 - 0.20 ppt	
		Specific Conductivity	212 – 325 µS/cm	
		pH	6.98 – 8.33 pH units	Neutral to slightly alkaline
		Oxidation-Reduction Potential	60 to 557 mV	
	Nutrients	Dissolved Oxygen	Up to 44% of water column < 2 mg/L in August	Occurred at site 1, the dam
		Surface Total Nitrogen	0.41 mg/L to 0.54 mg/L	
Surface Total Phosphorus		0.011 mg/L to 0.018 mg/L		
	Nitrogen to Phosphorus Ratio	37:1	Phosphorus limited	

Beneficial Uses	Turbidity	pH	Dissolved Oxygen	Metals	TSI	True Color	Sulfates, Chlorides & TDS	En,ecal coli, & E. coli	Chlor-a
	Fish & Wildlife Propagation	S	S	S	S				
	Aesthetics					S	S		
	Agriculture							S	
	Primary Body Contact Recreation								S
	Public & Private Water Supply								

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

Notes

NTU = nephelometric turbidity units OWQS = Oklahoma Water Quality Standards mg/L = milligrams per liter ppt = parts per thousand
 µS/cm = microsiemens per centimeter mV = millivolts µS/cm = microsiemens/cm En = Enterococci
 E. coli = Escherichia coli Chlor-a = Chlorophyll-a