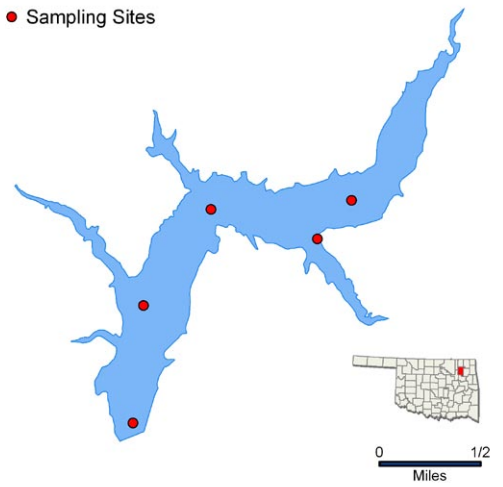


Claremore

● Sampling Sites



Sample Period	Times Visited	Sampling Sites
November 2005 - August 2006	3	5

Lake Data	Location	Rogers County
	Impoundment	1930
	Area	470 acres
	Capacity	7,900 acre-feet
	Purposes	Water Supply, Recreation

Parameters	Parameter	Result	Notes/Comments	
	Average Turbidity	19 NTU	13% of values > OWQS of 25 NTU	
	Average True Color	24units	100% of values < OWQS of 70	
	Average Secchi Disk Depth	41 cm		
	Water Clarity Rating	good		
	Trophic State Index	67		
	Trophic Class	hypereutrophic		
	Profile	Salinity	0.11– 0.12 ppt	
		Specific Conductivity	242 – 257.4 μ S/cm	
		pH	7.03– 8.10 pH units	
		Oxidation-Reduction Potential	252- 454 mV	
	Nutrients	Dissolved Oxygen	Up to 29% of water column < 2 mg/L in May	Occurred at site 1, the dam
		Surface Total Nitrogen	0.91 mg/L to 2.00 mg/L	
Surface Total Phosphorus		0.072 mg/L to 0.193 mg/L		
	Nitrogen to Phosphorus Ratio	12:1	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				
	Aesthetics					NS**	*		
	Agriculture							S	
	Primary Body Contact Recreation								S
	Public & Private Water Supply								

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

Notes
 *An assessment of the Fish & Wildlife Propagation (FWP) and Aesthetics beneficial use based on turbidity and color cannot be made at this time as minimum data requirements were not met for this sample year.
 **The lake is listed in the WQS as a NLW indicating that the Aesthetics beneficial use is considered threatened by nutrients until studies can be conducted to confirm non-support status.

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