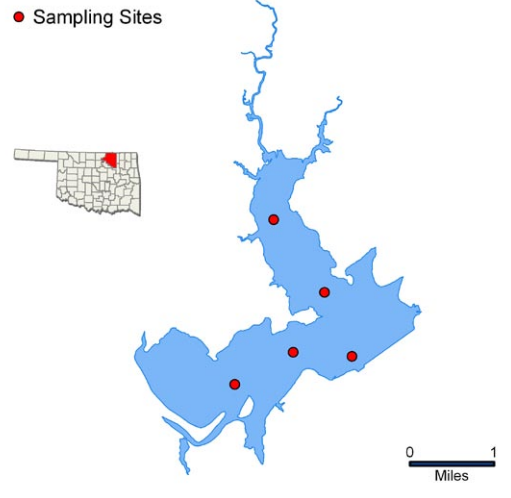


Hulah



Sample Period	Times Visited	Sampling Sites
October 2007 – July 2008	4	5

Lake Data	Location	Osage County
	Impoundment	1951
	Area	3,570 acres
	Capacity	31,160 acre-feet
	Purposes	Flood Control, Water Supply, Low-flow Regulation, and Conservation

Parameters	Parameter	Result	Notes/Comments	
	Average Turbidity	48 NTU	85% of values > 25 NTU	
	Average True Color	106 units	75% of values > OWQS of 70	
	Average Secchi Disk Depth	27 cm		
	Water Clarity Rating	poor		
	Trophic State Index	55	Previous value = 54	
	Trophic Class	eutrophic		
	Profile	Salinity	0.10 - 0.20 ppt	
		Specific Conductivity	249 – 398.5 µS/cm	
		pH	7.21 – 8.37 pH units	Neutral
		Oxidation-Reduction Potential	188 to 487 mV	
		Dissolved Oxygen	Up to 40% of water column < 2 mg/L	Occurred at site 5
	Nutrients	Surface Total Nitrogen	0.60 mg/L to 1.24 mg/L	
		Surface Total Phosphorus	0.029 mg/L to 0.083 mg/L	
		Nitrogen to Phosphorus Ratio	13:1	Phosphorus limited

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

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

Notes Currently, this lake is listed as a Nutrient Limited Watershed (NLW) in the Oklahoma Water Quality Standards (WQS). This 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 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