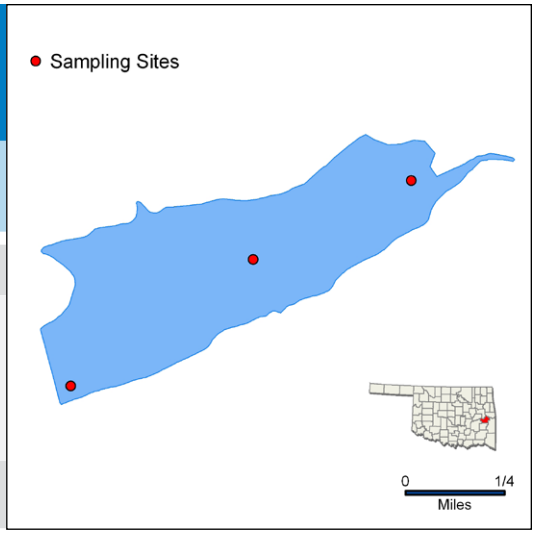
John Wells

Sample Period	Times Visited	Sampling Sites
November 2005 – August 2006	4	3



Lake Data

Location	Haskell County
Impoundment	1936
Area	194 acres
Capacity	1,352 acre-feet
Purposes	Water Supply, Recreation

Parameters

	Parameter	Result	Notes/Comments
	Average Turbidity	5 NTU	100% of values < OWQS of 25 NTU
	Average True Color	16 units	100% of values < OWQS of 70
	Average Secchi Disk Depth	151 cm	
	Water Clarity Rating	excellent	
	Trophic State Index	46	
	Trophic Class	mesotrophic	
Profile	Salinity	0.01– 0.05 ppt	
Profile	Specific Conductivity	59.8 – 117.9 µS/cm	
Profile	pH	6.4 – 8.38 pH units	Neutral to slightly alkaline
Profile	Oxidation-Reduction Potential	189 to 483 mV	
Profile	Dissolved Oxygen	Up to 45% of water column < 2 mg/L in May	
Nutrients	Surface Total Nitrogen	0.20 mg/L to 0.56 mg/L	
Nutrients	Surface Total Phosphorus	0.013 mg/L to 0.020 mg/L	
Nutrients	Nitrogen to Phosphorus Ratio	27:1	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
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