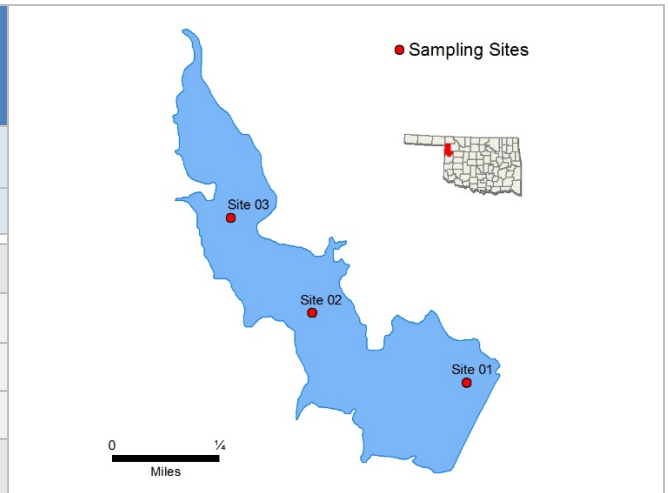


Vincent

Sample Period	Times Visited	Sampling Sites
November 2010 – July 2011	4	5

General	Location	Ellis County
	Impoundment	1961
	Area	160 acres
	Capacity	2,579 acre feet
	Purposes	Recreation



Parameters	In-Situ	Parameter (<i>Descriptions</i>)	Result	Notes/Comments
		Average Turbidity	14 NTU	100% of Values < OWQS of 25 NTU
		Average Secchi Disk Depth	63 cm	
		Water Clarity Rating	Good	
		Chlorophyll-a	8 mg/m3	
		Trophic State Index	51	Previous value = 46
	Trophic Class	Eutrophic		
	Profile	Salinity	0.43 – 0.48 ppt	
		Specific Conductivity	833.1 - 928 µS/cm	
		pH	7.14 – 8.19 pH units	Neutral to slightly alkaline
		Oxidation-Reduction Potential	-50 to 490 mV	
		Dissolved Oxygen	Up to 45 % < 2 mg/L in summer	
	Nutrients	Surface Total Nitrogen	0.27 mg/L to 0.55 mg/L	
		Surface Total Phosphorus	0.015 mg/L to 0.028 mg/L	
		Nitrogen to Phosphorus Ratio	21:1	Phosphorus limited

Beneficial Uses	Click to learn more about Beneficial Uses	Turbidity	pH	Dissolved Oxygen	Metals	TSI	True Color	Sulfates	Chlorides	Total Dissolved Solids	Enteroc. & E. coli	Chlor-a
	Fish & Wildlife Propagation	S	S	NEI	S							
	Aesthetics					S	*					
	Agriculture							S	S	S		
	Primary Body Contact Recreation										S	
	Public & Private Water Supply											

Notes	<p>S = Fully Supporting NS = Not Supporting NEI = Not Enough Information</p> <p>*Standards revision, true color is for permitting purposes only.</p>
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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