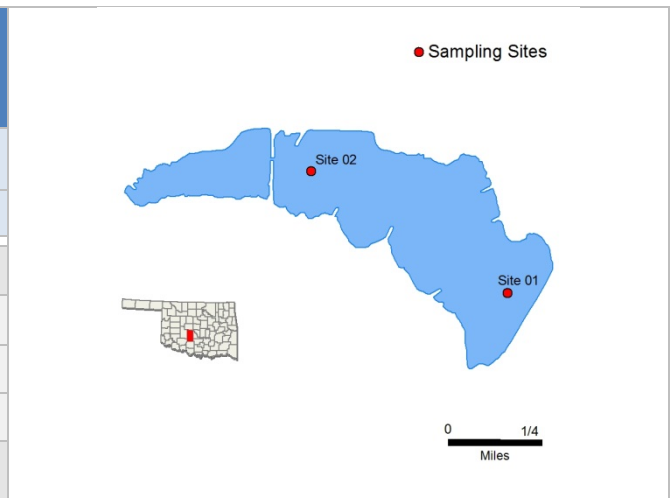


Burtschi

Sample Period	Times Visited	Sampling Sites
November 2005 - August 2006	4	5

General	Location	Grady County
	Impoundment	1958
	Area	180 acres
	Capacity	2,140 acre-feet
	Purposes	Recreation



Parameters	In Situ	Parameter (<i>Descriptions</i>)	Result	Notes/Comments
		Average Turbidity	11 NTU	100% of values < OWQS of 25 NTU
		Average True Color	18 units	100% of values < OWQS of 70
		Average Secchi Disk Depth	72 cm	
		Water Clarity Rating	good	
		Trophic State Index	63	
	Trophic Class	hypertrophic		
	Profile	Salinity	0.53 – 0.67 ppt	
		Specific Conductivity	1011 – 1273 μ S/cm	
		pH	7.19 – 10.74 pH units	16% of values were > 9 pH units
		Oxidation-Reduction Potential	42 - 428 mV	
		Dissolved Oxygen	Up to 38% of water column < 2 mg/L in August	
	Nutrients	Surface Total Nitrogen	0.92 mg/L to 1.82 mg/L	
		Surface Total Phosphorus	0.027 mg/L to 0.109 mg/L	
		Nitrogen to Phosphorus Ratio	24:1	Phosphorus limited

Beneficial Uses	Click to learn more about Beneficial Uses	Turbidity	pH	Dissolved Oxygen	Metals	TSI	True Color	Sulfates	Chlorides	Total Dissolved Solids	Enterro. & E. coli	Chlor-a
	Fish & Wildlife Propagation	S	S	S								
	Aesthetics					S	S					
	Agriculture							S	S	S		
	Primary Body Contact Recreation										S	
	Public & Private Water Supply											
	<i>S = Fully Supporting</i> <i>NS = Not Supporting</i> <i>NEI = Not Enough Information</i>		Notes *Standards revision, true color is for permitting purposes only.									

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