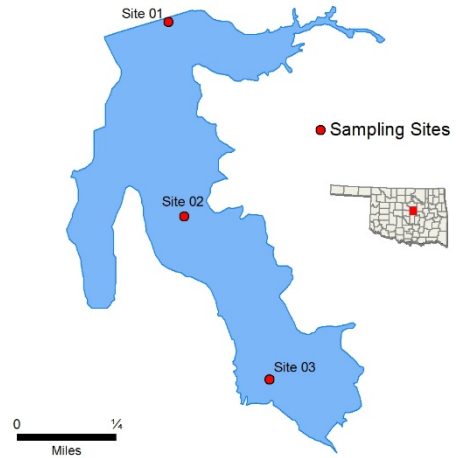


Prague City

Sample Period	Times Visited	Sampling Sites
November 2007 – August 2008	4	5



General	Location	Lincoln County
	Impoundment	84
	Area	225 acres
	Capacity	2,415 acre feet
	Purposes	Water Supply and Recreation

Parameters	In Situ	Parameter (<i>Descriptions</i>)	Result	Notes/Comments
		Average Turbidity	12 nephelometric turbidity units (NTU)	All values < 25 NTU
		Average True Color	46 units	10% of values > OWQS of 70
		Average Secchi Disk Depth	74 cm	
		Water Clarity Rating	good	
		Trophic State Index	48	Previous value = 52
	Trophic Class	mesotrophic		
	Profile	Salinity	0.0 – 0.20 ppt	
		Specific Conductivity	112 – 362 µS/cm	
		pH	6.78 – 8.65 pH units	Neutral to slightly alkaline
		Oxidation-Reduction Potential	-51 to 543 mV	
		Dissolved Oxygen	57 - 63% of water column < 2 mg/L in August	Occurred at sites 1, 4 & 5
	Nutrients	Surface Total Nitrogen	0.51 mg/L to 1.17 mg/L	
		Surface Total Phosphorus	0.024 mg/L to 0.057 mg/L	
		Nitrogen to Phosphorus Ratio	25:1	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											
<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
 µS/cm = microsiemens per centimeter mV = millivolts µS/cm = microsiemens/cm En = Enterococci
 E. coli = Escherichia coli Chlor-a = Chlorophyll-a