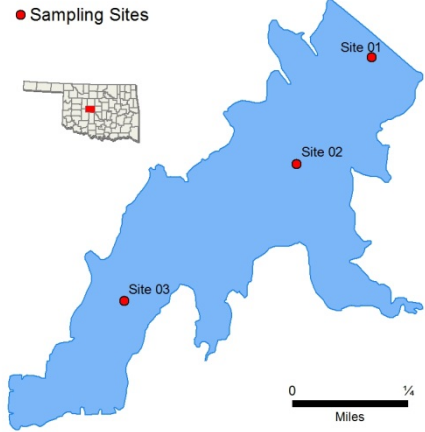


El Reno



Sample Period	Times Visited	Sampling Sites
December 2011 - August 2012	4	3

General	Location	Canadian County
	Impoundment	1937
	Area	170 acres
	Capacity	709 acre-feet
	Purposes	Flood Control, Recreation

Parameters	In Situ	Parameter (<i>Descriptions</i>)	Result	Notes/Comments
		Average Turbidity	36 NTU	50% of values > OWQS of 25 NTU (n=12)
		Average Secchi Disk Depth	25 cm	
		Water Clarity Rating	Poor	
		Chlorophyll-a	20 mg/m ³	
		Trophic State Index	78	
	Trophic Class	Hypereutrophic		
	Profile	Salinity	0.55 – 0.81 ppt	
		Specific Conductivity	1108 – 1617 µS/cm	
		pH	7.70 – 9.22 pH units	Slightly alkaline
		Oxidation-Reduction Potential	225 to 544 mV	
		Dissolved Oxygen	All data are above screening level of 2.0 mg/L	
	Nutrients	Surface Total Nitrogen	1.33 mg/L to 2.69 mg/L	
Surface Total Phosphorus		0.149 mg/L to 0.441 mg/L		
Nitrogen to Phosphorus Ratio		7:1	Possibly co-limited	

Beneficial Uses	Click to learn more about Beneficial Uses	Turbidity	pH	Dissolved Oxygen	Metals	TSI	True Color	Sulfates	Chlorides	Total Dissolved Solids	Enterococci & E. coli	Chlor-a
	Fish & Wildlife Propagation	NS	S	S	S							
	Aesthetics					NEI	*					
	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 * Based on the TSI and chlorophyll-a values, lake will be recommended to be considered and NLW.										

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