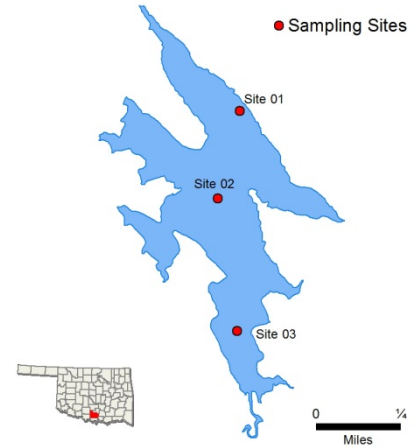


Ardmore City

Sample Period	Times Visited	Sampling Sites
October 2006 - August 2007	4	5

General	Location	Carter County
	Impoundment	1910
	Area	142 acres
	Capacity	600 acre-feet
	Purposes	Recreation



Parameters	Parameter (<i>Descriptions</i>)		Result	Notes/Comments
	In Situ	Average Turbidity	10 NTU	100% of values < OWQS of 25 NTU
		Average True Color	25 units	100% of values < OWQS of 70
		Average Secchi Disk Depth	106 cm	
		Water Clarity Rating	excellent	
		Trophic State Index	52	
		Trophic Class	eutrophic	
	Profile	Salinity	0.13 – 0.18 ppt	
		Specific Conductivity	278.6 – 365 µS/cm	
		pH	7.16 - 8.85 pH units	Neutral to slightly alkaline
Oxidation-Reduction Potential		48 to 436 mV		
Dissolved Oxygen		Up to 63% of water column < 2 mg/L in August		
Nutrients	Surface Total Nitrogen	0.32 mg/L to 0.62 mg/L		
	Surface Total Phosphorus	0.009 mg/L to 0.035 mg/L		
	Nitrogen to Phosphorus Ratio	22:1	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