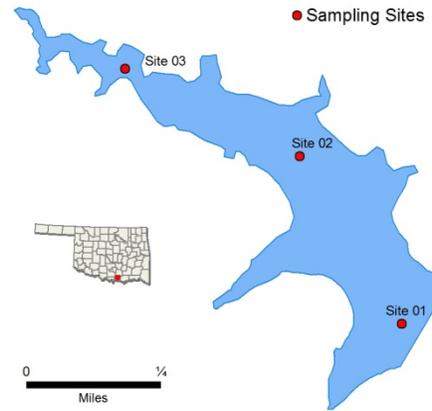


Carter



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

General	Location	Marshall County
	Impoundment	1960
	Area	108 acres
	Capacity	990 acre-feet
	Purposes	Water Supply and Recreation

Parameters	In Situ	Parameter (<i>Descriptions</i>)	Result	Notes/Comments
		Average Turbidity	7 nephelometric turbidity units (NTU)	All values < 25 NTU
		Average True Color	25 units	All Values < OWQS of 70
		Average Secchi Disk Depth	121 cm	
		Water Clarity Rating	excellent	
		Trophic State Index	40	Previous value = 40
	Trophic Class	oligotrophic		
	Profile	Salinity	0.10 - 0.20 ppt	
		Specific Conductivity	212 – 325 µS/cm	
		pH	6.98 – 8.33 pH units	Neutral to slightly alkaline
		Oxidation-Reduction Potential	60 to 557 mV	
		Dissolved Oxygen	Up to 44% of water column < 2 mg/L in August	Occurred at site 1, the dam
	Nutrients	Surface Total Nitrogen	0.41 mg/L to 0.54 mg/L	
		Surface Total Phosphorus	0.011 mg/L to 0.018 mg/L	
		Nitrogen to Phosphorus Ratio	37:1	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