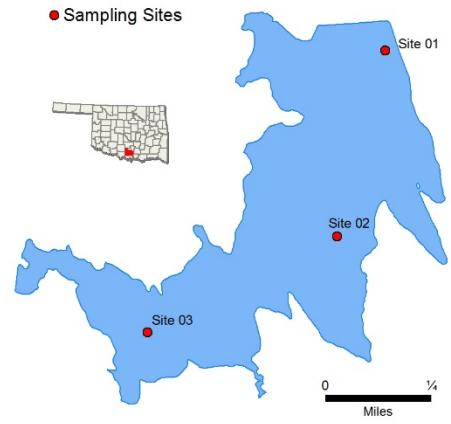


Scott King (Rock Creek)



Sample Period	Times Visited	Sampling Sites
October 2008 – July 2009	4	5

General	Location	Carter County
	Impoundment	1979
	Area	248 acres
	Capacity	3,588 acre-feet
	Purposes	Recreation

Parameters	In Situ	Parameter (Descriptions)	Result	Notes/Comments
		Average Turbidity	9 NTU	100% of values < OWQS of 25 NTU (n=12)
		Average True Color		Did not collect for true color
		Average Secchi Disk Depth	80 cm	
		Water Clarity Rating	Good	
		Trophic State Index	51	Previous value = 48
	Trophic Class	Eutrophic		
	Profile	Salinity	0.10 – 0.15 ppt	
		Specific Conductivity	278.8 – 307 µS/cm	
		pH	6.96 – 8.53 pH units	
		Oxidation-Reduction Potential	-10 to 461 mV	
		Dissolved Oxygen	Up to 50% of water column < 2.0 mg/L in July	
	Nutrients	Surface Total Nitrogen	0.55 mg/L to 0.80 mg/L	
		Surface Total Phosphorus	0.009 mg/L to 0.026 mg/L	
		Nitrogen to Phosphorus Ratio	39:1	Phosphorus limited

Beneficial Uses	Click to learn more about Beneficial Uses	Turbidity	pH	Dissolved Oxygen	Metals	TSI	True Color	Sulfates	Chlorides	Total Dissolved Solids	En & 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											

S = Fully Supporting
 NS = Not Supporting
 NEI = Not Enough Information

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