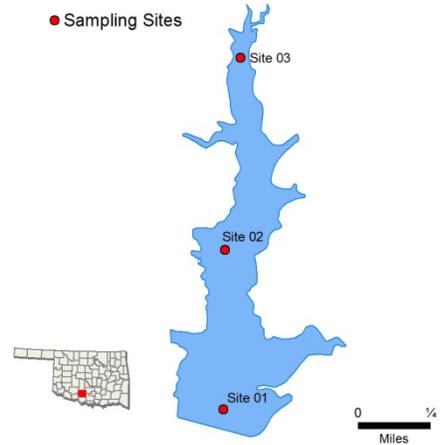


Comanche

Sample Period	Times Visited	Sampling Sites
December 2010 – August 2011	4	5

General	Location	Stephens County
	Impoundment	1960
	Area	184 acres
	Capacity	2,500 acre-feet
	Purposes	Water Supply and Recreation



Parameters	In Situ	Parameter (<i>Descriptions</i>)	Result	Notes/Comments
		Average Turbidity	12 NTU	100% of values < OWQS of 25 NTU
		Average Secchi Disk Depth	86	Did not collect for true color
		Water Clarity Rating	Good	
		Chlorophyll-a	8 mg/m ³	
		Trophic State Index	50	Previous value = 58
	Trophic Class	Mesotrophic		
	Profile	Salinity	0.14 - 0.2 ppt	
		Specific Conductivity	284.8 – 398.1 μS/cm	
		pH	6.9 – 8.89 pH units	Neutral to slightly alkaline
		Oxidation-Reduction Potential	-47 to 427 mV	
		Dissolved Oxygen	50% of water column < 2.0 mg/L in summer	
	Nutrients	Surface Total Nitrogen	0.49 mg/L to 0.72 mg/L	
		Surface Total Phosphorus	0.015 mg/L to 0.031 mg/L	
		Nitrogen to Phosphorus Ratio	28:1	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		
	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