

Healdton

Sample Period	Times Visited	Sampling Sites
November 2005 – August 2006	4	5

General	Location	Carter County
	Impoundment	1979
	Area	370 acres
	Capacity	3,766 acre-feet
	Purposes	Water Supply, Recreation



Parameters	In Situ	Parameter (<i>Descriptions</i>)	Result	Notes/Comments
		Average Turbidity	29 NTU	100% of values > OWQS of 25 NTU
		Average Secchi Disk Depth	31 cm	
		Water Clarity Rating	Poor	
		Chlorophyll-a	14.8 mg/m ³	
		Trophic State Index	57	Previous Value= 49
	Trophic Class	Eutrophic		
	Profile	Salinity	0.07– 0.13 ppt	
		Specific Conductivity	143.8 – 278.4 μS/cm	
		pH	7.12 – 8.19 pH units	Neutral to slightly alkaline
		Oxidation-Reduction Potential	23.7 – 415.3 mV	
		Dissolved Oxygen	Up to 40% of water column < 2 mg/L in August	
	Nutrients	Surface Total Nitrogen	0.39 mg/L to 0.72 mg/L	
		Surface Total Phosphorus	0.040 mg/L to 0.063 mg/L	
		Nitrogen to Phosphorus Ratio	11:1	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	NS	S	S	NEI							
	Aesthetics					S	*					
	Agriculture							S	S	S		
	Primary Body Contact Recreation										S	
	Public & Private Water Supply					NEI						
<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