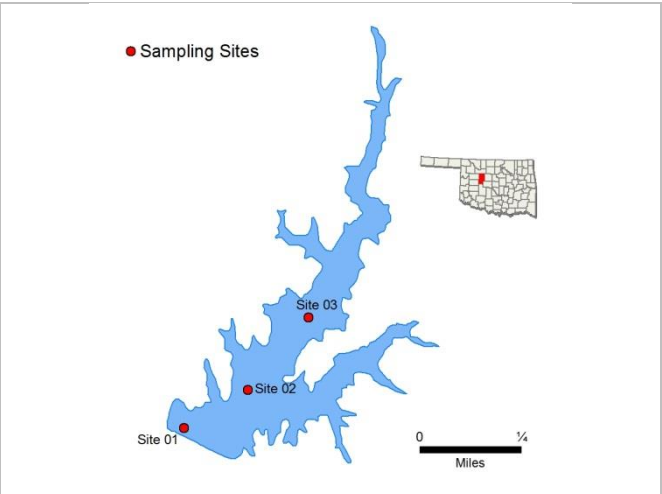


American Horse

Sample Period	Times Visited	Sampling Sites
October 2007 - July 2008	4	5

General	Location	Blaine County
	Impoundment	1966
	Area	100 acres
	Capacity	2,200 acre-feet
	Purposes	Recreation



Parameters	Parameter (<i>Descriptions</i>)		Result	Notes/Comments
	In Situ	Average Turbidity	13 nephelometric turbidity units (NTU)	Lake-wide average
		Average True Color	54 units	25% of values > OWQS of 70
		Average Secchi Disk Depth	118 cm	
		Water Clarity Rating	good	
		Trophic State Index	38	Previous value = 49
		Trophic Class	oligotrophic	
	Profile	Salinity	0.07 - 0.13 ppt	
		Specific Conductivity	151.5 - 274.7 μ S/cm	
		pH	7.01 - 8.08 pH units	
Oxidation-Reduction Potential		-4 to 551 mV		
Dissolved Oxygen		Up to 60% of water column < 2 mg/L in July		
Nutrients	Surface Total Nitrogen	0.38 mg/L to 1.07 mg/L		
	Surface Total Phosphorus	0.018 mg/L to 0.053 mg/L		
	Nitrogen to Phosphorus Ratio	19:1	Phosphorus limited	

Beneficial Uses	Click to learn more about Beneficial Uses	Turbidity	pH	Dissolved Oxygen	Metals	TSI	True Color	Sulfates	Chlorides	Total Dissolved Solids	Enterococci & E. coli	Chlor-a
	Fish & Wildlife Propagation	S	S	NEI	NEI							
	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
 μ S/cm = microsiemens per centimeter mV = millivolts μ S/cm = microsiemens/cm En = Enterococci
 E. coli = Escherichia coli Chlor-a = Chlorophyll-a