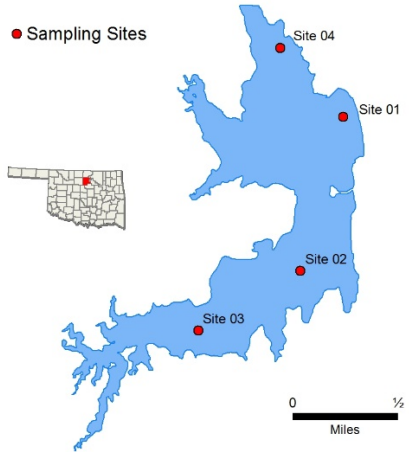


Perry



Sample Period	Times Visited	Sampling Sites
October 2014 – July 2015	4	5

General	Location	Noble County
	Impoundment	1937
	Area	614 acres
	Capacity	6,892 acre-feet
	Purposes	Water Supply, Recreation and Flood Control

Parameters	Parameter (<i>Descriptions</i>)		Result	Notes/Comments
	In Situ	Average Turbidity	56 NTU	58% of values > 25 NTU
		Average Secchi Disk Depth	22 cm	
		Water Clarity Rating	Fair	
		Chlorophyll-a	6 mg/m3	
		Trophic State Index	49	Previous value = 48
		Trophic Class	Mesotrophic	
	Profile	Salinity	0.14– 0.25 ppt	
		Specific Conductivity	296.1 – 510 µS/cm	
		pH	7.27 – 8.37 pH units	Neutral to slightly alkaline
		Oxidation-Reduction Potential	110.3 - 392.6 mV	
		Dissolved Oxygen	Up to 33% of water column < 2 mg/L in July	
	Nutrients	Surface Total Nitrogen	0.61 mg/L to 1.34 mg/L	
		Surface Total Phosphorus	0.035 mg/L to 0.186 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	Enterro. & E. coli	Chlor-a
	Fish & Wildlife Propagation	NS	S	S	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