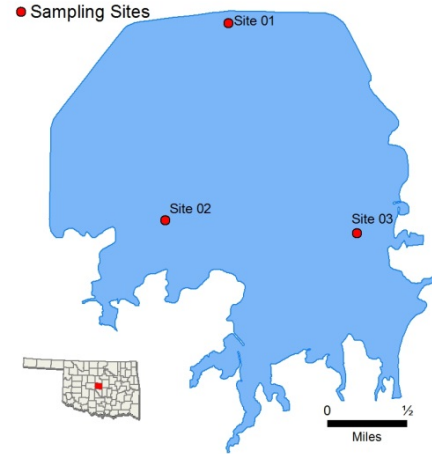


# Hefner

Sample Period	Times Visited	Sampling Sites
October 2017 – July 2018	4	3

General	Location	Oklahoma County
	Impoundment	1947
	Area	2,500 acres
	Capacity	75,000 acre-feet
	Purposes	Water Supply, Recreation



Parameters	In-Situ	Parameter ( <i>Descriptions</i> )	Result	Notes/Comments
		Average Turbidity	6 NTU	100% of values < OWQS of 25 NTU
		Average Secchi Disk Depth	105 cm	
		Water Clarity Rating	Average	
		Chlorophyll-a	28.7 mg/m3	
		Trophic State Index	64	Previous Value= 69
	Trophic Class	Hypereutrophic		
	Profile	Salinity	0.53– 0.75 ppt	
		Specific Conductivity	1067 – 1511 µS/cm	
		pH	7.12 – 8.69 pH units	Neutral to slightly alkaline
		Oxidation-Reduction Potential	-108.1 to 477.0 mV	
		Dissolved Oxygen	Up to 77% of water column < 2 mg/L in July	
	Nutrients	Surface Total Nitrogen	0.88 mg/L to 1.085 mg/L	
		Surface Total Phosphorus	0.08 mg/L to 0.116 mg/L	
		Nitrogen to Phosphorus Ratio	10:1	Possibly co- limited

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