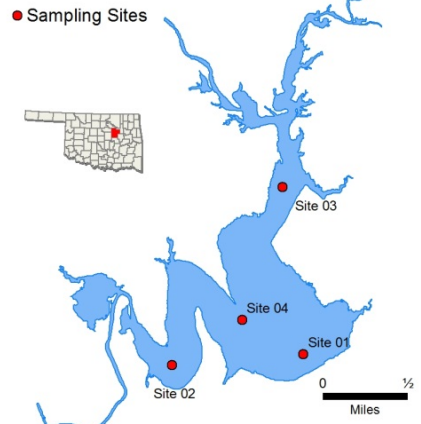


Heyburn



Sample Period	Times Visited	Sampling Sites
December 2017 - August 2018	3	4

General	Location	Creek County
	Impoundment	1950
	Area	880 acres
	Capacity	7,105 acre-feet
	Purposes	Flood Control and Conservation

Parameters	Parameter (<i>Descriptions</i>)		Result	Notes/Comments
	In-Situ	Average Turbidity	52 NTU	100% of values > 25 NTU
		Average Secchi Disk Depth	27 cm	
		Water Clarity Rating	Poor	
		Chlorophyll-a	11.97 mg/m ³	
		Trophic State Index	55	Previous value = 57
		Trophic Class	Eutrophic	
	Profile	Salinity	0.07 – 0.19 ppt	
		Specific Conductivity	146.0 – 399.9 µS/cm	
		pH	6.61 – 7.68 pH units	
		Oxidation-Reduction Potential	37.3 – 477.6 mV	
		Dissolved Oxygen	Up to 58% of water column < 2 mg/L in August	
	Nutrients	Surface Total Nitrogen	0.73 mg/L to 0.91 mg/L	
		Surface Total Phosphorus	0.054 mg/L to 0.071 mg/L	
		Nitrogen to Phosphorus Ratio	14:1	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	NS	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