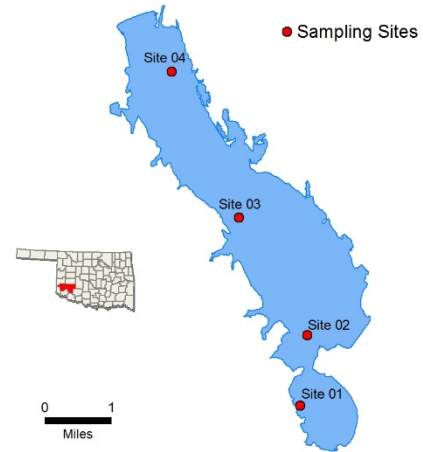


Lugert-Altus



Sample Period	Times Visited	Sampling Sites
October 2015 - August 2016	2	4

General	Location	Greer County
	Impoundment	1947
	Area	6,260 acres
	Capacity	132,830 acre-feet
	Purposes	Water Supply, Flood Control, Irrigation

Parameters	In-Situ	Parameter (<i>Descriptions</i>)	Result	Notes/Comments
		Average Turbidity	10 NTU	0% of values >OWQS of 25 NTU
		Average Secchi Depth	53 cm	
		Water Clarity Rating	Average	
		Chlorophyll-a	18.7 mg/m3	
		Trophic State Index	59	Previous Value= 51
	Trophic Class	Eutrophic		
	Profile	Salinity	1.04 – 1.40 ppt	
		Specific Conductivity	2023.6 –2685.9 µS/cm	
		pH	7.77 – 8.27 pH units	
		Oxidation-Reduction Potential	214.7 – 528.8 mV	
		Dissolved Oxygen		All readings above 2.0 mg/L
	Nutrients	Surface Total Nitrogen	0.78mg/L to 0.97 mg/L	
		Surface Total Phosphorus	0.038 mg/L to 0.074 mg/L	
		Nitrogen to Phosphorus Ratio	18:1	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								
	Aesthetics					S	*					
	Agriculture							S	S	S		
	Primary Body Contact Recreation										NEI	
	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
 µS/cm = microsiemens per centimeter
 E. coli = Escherichia coli

OWQS = Oklahoma Water Quality Standards
 mV = millivolts
 Chlor-a = Chlorophyll-a

mg/L = milligrams per liter
 µS/cm = microsiemens/cm

ppt = parts per thousand
 En = Enterococci