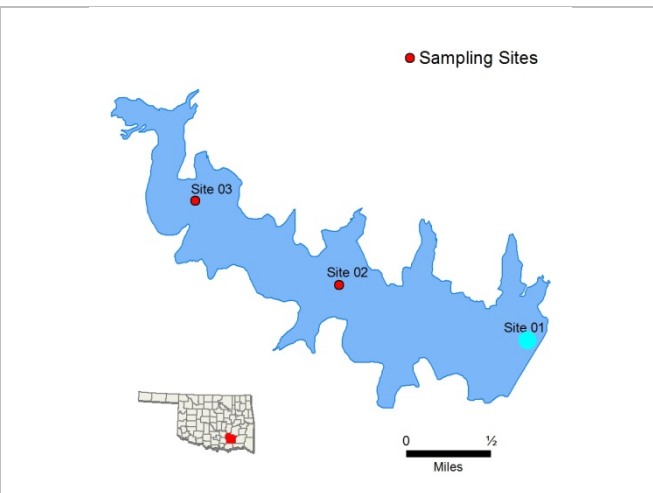


Bell Cow

Sample Period	Times Visited	Sampling Sites
November 2016 - August 2017	4	3

General	Location	Lincoln County
	Impoundment	1990
	Area	1,153 acres
	Capacity	15,613 acre-feet
	Purposes	Water Supply, Flood Control, Recreation



Parameters	In Situ	Parameter (<i>Descriptions</i>)	Result	Notes/Comments
		Average Turbidity	14 NTU	8% of values > OWQS of 25 NTU
		Average Secchi Disk Depth	67 cm	
		Water Clarity Rating	Average	
		Chlorophyll-a	19.16 mg/m ³	
		Trophic State Index	60	Previous Value = 61
	Trophic Class	Eutrophic		
	Profile	Salinity	0.14 - 0.19 ppt	
		Specific Conductivity	293.2 – 384.9 µS/cm	
		pH	7.03 - 8.55 pH units	Neutral to slightly alkaline
		Oxidation-Reduction Potential	41 to 428.8 mV	
		Dissolved Oxygen	Up to 46% of water column < 2 mg/L in Summer	
	Nutrients	Surface Total Nitrogen	0.85 mg/L to 1.04 mg/L	
		Surface Total Phosphorus	0.024 mg/L to 0.046 mg/L	
		Nitrogen to Phosphorus Ratio	29:1	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	NEI	S							
	Aesthetics					S	*					
	Agriculture							N/A	N/A	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