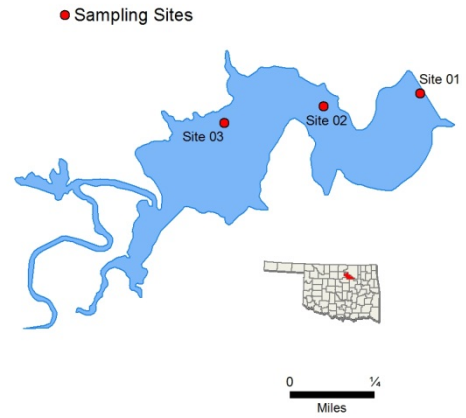


# Cleveland City



Sample Period	Times Visited	Sampling Sites
December 2015 – Sept. 2016	4	5

General	Location	Pawnee County
	Impoundment	1936
	Area	159 acres
	Capacity	2,200 acre-feet
	Purposes	Water Supply, Recreation

Parameters	Parameter ( <i>Descriptions</i> )		Result	Notes/Comments
	In Situ	Average Turbidity	14 NTU	100% of values <OWQS of 25 NTU
		Average Secchi Disk Depth	49 cm	
		Water Clarity Rating	Average	
		Chlorophyll-a	14.9 mg/m <sup>3</sup>	
		Trophic State Index	57	Previous Value=56
		Trophic Class	Eutrophic	
	Profile	Salinity	0.08 – 0.16 ppt	
		Specific Conductivity	178.3 – 328.9 µS/cm	
		pH	7.09 – 7.79 pH units	
		Oxidation-Reduction Potential	192.1 to 459.4 mV	
		Dissolved Oxygen		All values recorded above 2.0 mg/L
	Nutrients	Surface Total Nitrogen	0.97 mg/L to 1.33 mg/L	
		Surface Total Phosphorus	0.054 mg/L to 0.066 mg/L	
		Nitrogen to Phosphorus Ratio	19:1	Phosphorus 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	Enteroc. & E. coli	Chlor-a
	Fish & Wildlife Propagation	NS	S	S	S							
	Aesthetics					S	S					
	Agriculture							S	S	S		
	Primary Body Contact Recreation										S	
	Public & Private Water Supply											

Notes		*Standards revision, true color is for permitting purposes only.
S = Fully Supporting	NS = Not Supporting	
NEI = Not Enough Information		

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