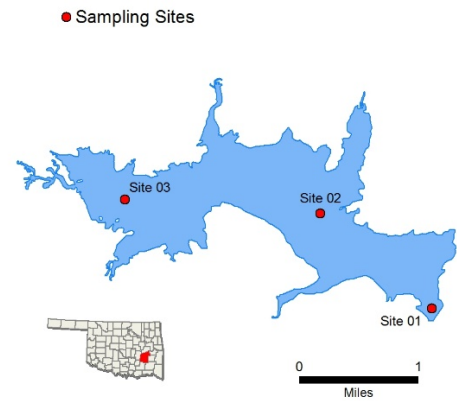


McAlester



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

General	Location	Pittsburg County
	Impoundment	1930
	Area	1,521 acres
	Capacity	13,398 acre feet
	Purposes	Water Supply and Recreation

Parameters	In Situ	Parameter (<i>Descriptions</i>)	Result	Notes/Comments
		Average Turbidity	87 NTU	100% of values > OWQS of 25 NTU
		Average Secchi Disk Depth	23 cm	
		Water Clarity Rating	Poor	
		Chlorophyll-a	7.82 mg/m3	
		Trophic State Index	51	Previous value = 48
		Trophic Class	Eutrophic	
Parameters	Profile	Salinity	0.04 – 0.06 ppt	
		Specific Conductivity	71.7 – 121.5 µS/cm	
		pH	6.55 – 7.47 pH units	
		Oxidation-Reduction Potential	127.1 – 551.4 mV	
		Dissolved Oxygen	Up to 47% of water column < 2.0 mg/L in August	
Parameters	Nutrients	Surface Total Nitrogen	0.73 mg/L to 1.24 mg/L	
		Surface Total Phosphorus	0.106 mg/L to 0.201 mg/L	
		Nitrogen to Phosphorus Ratio	8:1	Phosphorus limited

Beneficial Uses	Click to learn more about Beneficial Uses	Turbidity	pH	Dissolved Oxygen	Metals	TSI	True Color	Sulfates	Chlorides	Total Dissolved Solids	En & E. coli	Chlor-a
	Fish & Wildlife Propagation	NS	S	S	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