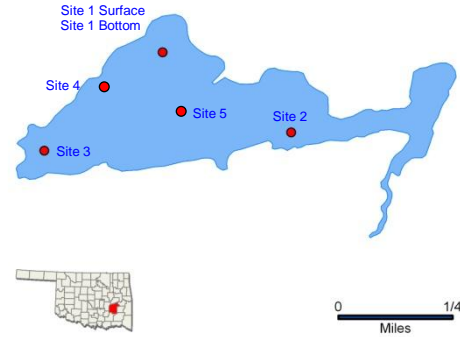


# Talawanda No. 1

Click Site Names for Available Data

● Sampling Sites



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

General	Location	Pittsburg County	Click map for site data
	Impoundment	1902	
	Area	91 acres	
	Capacity	12,000 acre feet	
	Purposes	Waters Supply and Recreation	

Parameters	Parameter ( <i>Descriptions</i> )		Result	Notes/Comments
	In-Situ	Average Turbidity	4 NTU	100% of Values < OWQS of 25 NTU
		Average Secchi Disk Depth	120 cm	
		Water Clarity Rating	Excellent	
		Chlorophyll-a	5.8 mg/m3	
		Trophic State Index	48	Previous value = 47
		Trophic Class	Mesotrophic	
	Profile	Salinity	0.03 – 0.08 ppt	
		Specific Conductivity	65.1 – 178 µS/cm	
		pH	6.51 – 7.69 pH units	10.53% of values < 6.5 pH units
		Oxidation-Reduction Potential	172.6 to 373.5 mV	
		Dissolved Oxygen	Up to 44% of water column < 2 mg/L in summer	
Nutrients	Surface Total Nitrogen	0.47 mg/L to 0.58 mg/L		
	Surface Total Phosphorus	0.017 mg/L to 0.021 mg/L		
	Nitrogen to Phosphorus Ratio	28:1	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	Enterococci & E. coli	Chlor-a
	Fish & Wildlife Propagation	S	NS	NEI	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