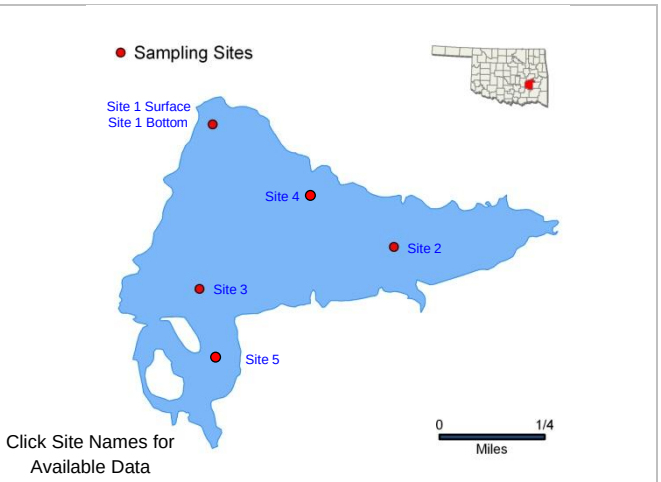
Talawanda No. 2

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



General

Location	Pittsburg County	Click map for site data
Impoundment	1924	
Area	195 acres	
Capacity	2,750 acre feet	
Purposes	Waters Supply and Recreation	

Parameters

	Parameter (Descriptions)	Result	Notes/Comments
In-Situ	Average Turbidity	4 NTU	100% of Values < OWQS of 25 NTU
	Average Secchi Disk Depth	136 cm	
	Water Clarity Rating	Excellent	
	Chlorophyll-a	2.6 mg/m3	
	Trophic State Index	40	Previous value = 44
	Trophic Class	Mesotrophic	
Profile	Salinity	0.04 – 0.07 ppt	
	Specific Conductivity	83.6 – 156.8 µS/cm	
	pH	6.30 – 7.7 pH units	6.82% of values < 6.5 pH units
	Oxidation-Reduction Potential	192.9 to 451 mV	
	Dissolved Oxygen	Up to 55% of water column < 2 mg/L in summer	
Nutrients	Surface Total Nitrogen	0.30 mg/L to 0.33 mg/L	
	Surface Total Phosphorus	0.010 mg/L to 0.013 mg/L	
	Nitrogen to Phosphorus Ratio	30:1	Phosphorus limited

Beneficial Uses

Click to learn more about Beneficial Uses	Turbidity	pH	Dissolved Oxygen	Metals	TSI	True Color	Sulfates	Chlorides	Total Dissolved Solids	Enterro. & 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
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

Sampling and Assessment by the **Oklahoma Water Resources Board** – 3800 Classen Blvd, Oklahoma City, OK, 73118 – 405.530.8800 – http://www.owrb.ok.gov