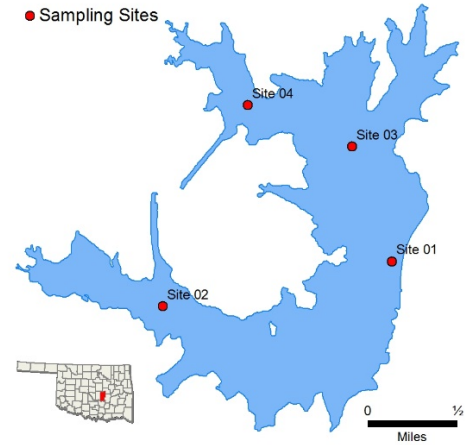


Konawa

Sample Period	Times Visited	Sampling Sites
November 2018 – September 2019	4	3

General	Location	Seminole County
	Impoundment	1968
	Area	1,350 acres
	Capacity	23,000 acre-feet
	Purposes	Cooling Water



Parameters	In Situ	Parameter (Descriptions)	Result	Notes/Comments
		Average Turbidity	6 NTU	100% of values < OWQS of 25 NTU (n=9)
		Average Secchi Disk Depth	104 cm	
		Water Clarity Rating	Excellent	
		Chlorophyll-a	17 mg/m ³	
		Trophic State Index	58	Previous value = 59
	Trophic Class	Eutrophic		
	Profile	Salinity	0.28 – 0.36 ppt	
		Specific Conductivity	579.8 – 732.1 μS/cm	
		pH	6.86 – 8.55 pH units	Neutral to slightly alkaline
		Oxidation-Reduction Potential	-101.1 to 501.2 mV	
		Dissolved Oxygen	Up to 40% of water column < 2.0 mg/L in September	
	Nutrients	Surface Total Nitrogen	0.73 mg/L to 1.05 mg/L	
		Surface Total Phosphorus	0.025 mg/L to 0.057 mg/L	
		Nitrogen to Phosphorus Ratio	22:1	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	S	S	S	*							
	Aesthetics					S	N/A					
	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