### General

**Location**: Choctaw County  
**Impoundment**: 1956  
**Area**: 263 acres  
**Capacity**: 1,681 acre-feet  
**Purposes**: Recreation

### Parameters

#### In Situ

- **Average Turbidity**: 13 NTU  
- 0% of values > OWQS of 25 NTU (n=11)  
- **Average Secchi Disk Depth**: 51.4 cm  
- **Water Clarity Rating**: Average  
- **Chlorophyll-a**: 23.44 mg/m³  
- **Trophic State Index**: 62  
- **Trophic Class**: Hypereutrophic

#### Profile

- **Salinity**: 0.03 – 0.12 ppt  
- **Specific Conductivity**: 58.7 – 254.8 µS/cm  
- **pH**: 6.44 – 7.54 pH units  
- 9.3% of values < 6.5 (n=43)  
- **Oxidation-Reduction Potential**: 173.2 to 499.9 mV  
- **Dissolved Oxygen**: 100% of water column < 2 mg/L in June

#### Nutrients

- **Surface Total Nitrogen**: 0.33 mg/L to 0.895 mg/L  
- **Surface Total Phosphorus**: 0.032 mg/L to 0.069 mg/L  
- **Nitrogen to Phosphorus Ratio**: 13:1  
- Phosphorus limited

### Beneficial Uses

- **Fish & Wildlife Propagation**: S S NEI S  
- **Aesthetics**: S *  
- **Agriculture**: S S S  
- **Primary Body Contact Recreation**: NEI

### Nutrient Parameters

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### Sampling and Assessment

**Sample Period**: November 2018 – August 2019  
**Times Visited**: 4  
**Sampling Sites**: 3

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**Notes**:
- NTU = nephelometric turbidity units  
- µS/cm = microsiemens per centimeter  
- E. coli = Escherichia coli  
- OWQS = Oklahoma Water Quality Standards  
- mg/L = milligrams per liter  
- µS/cm = microsiemens/cm  
- ppt = parts per thousand  
- En = Enterococci

*Standards revision, true color is for permitting purposes only*