**Nanih Waiya**

### Sample Period

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### General

- **Location**: Pushmataha County
- **Impoundment**: 1958
- **Area**: 131 acres
- **Capacity**: 1,064 acre feet
- **Purposes**: Recreation

### Parameters

#### In Situ

- **Average Turbidity**: 9 nephelometric turbidity units (NTU)
- **Average True Color**: 45 units
- **Average Secchi Disk Depth**: 98 cm
- **Water Clarity Rating**: average
- **Trophic State Index**: 45
  - Previous value = 45
- **Trophic Class**: mesotrophic

#### Profile

- **Salinity**: 0.0 – 0.10 ppt
- **Specific Conductivity**: 63 – 262 µS/cm
- **pH**: 6.31 – 8.22 pH units
  - 4 values (6.5%) <6.5 pH units
- **Oxidation-Reduction Potential**: 5 to 576 mV
- **Dissolved Oxygen**: Up to 42% of water column < 2 mg/L in August
  - Occurred at site 1

#### Nutrients

- **Surface Total Nitrogen**: 0.32 mg/L to 0.70 mg/L
- **Surface Total Phosphorus**: 0.018 mg/L to 0.032 mg/L
- **Nitrogen to Phosphorus Ratio**: 18:1
  - Phosphorus limited

### Beneficial Uses

**Click to learn more about Beneficial Uses**

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* standards revision, true color is for permitting purposes only

**Notes**

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

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Bathy map available: [http://www.owrb.ok.gov/maps/PMG/owrbdata_Bathy.html](http://www.owrb.ok.gov/maps/PMG/owrbdata_Bathy.html)