Webbers Falls

<table>
<thead>
<tr>
<th>Sample Period</th>
<th>Times Visited</th>
<th>Sampling Sites</th>
</tr>
</thead>
<tbody>
<tr>
<td>December 2015 – October 2016</td>
<td>4</td>
<td>6</td>
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**General**
- Location: Muskogee County
- Impoundment: 170
- Area: 11,600 acres
- Capacity: 170,100 acre-feet
- Purposes: Navigation, Hydropower

**Parameters**

### In-Situ Parameters
- **Average Turbidity**: 81 NTU (<100% of OWQS of 25 NTU)
- **Average Secchi Disk Depth**: 16 cm
- **Water Clarity Rating**: Poor
- **Chlorophyll-a**: 8.6 mg/m3
- **Trophic State Index**: 52 (Previous value = 59)
- **Trophic Class**: Eutrophic

### Profile Parameters
- **Salinity**: 0.13 – 0.31 ppt
- **Specific Conductivity**: 271.8 – 645 µS/cm
- **pH**: 7.5 – 7.74 pH units
- **Oxidation-Reduction Potential**: 251.2 – 475.2 mV
- **Dissolved Oxygen**: All data are above screening level of 2.0 mg/L

### Nutrients
- **Surface Total Nitrogen**: 0.99 mg/L to 1.38 mg/L
- **Surface Total Phosphorus**: 0.170 mg/L to 0.306 mg/L
- **Nitrogen to Phosphorus Ratio**: 5:1 (Possibly co-limited)

### Beneficial Uses

- **Fish & Wildlife Propagation**: NS S S S
- **Aesthetics**: S *
- **Agriculture**: S S S
- **Primary Body Contact Recreation**: NS
- **Public & Private Water Supply**: NS

**Notes**
- S = Fully Supporting
- NS = Not Supporting
- NEI = Not Enough Information
- *Standards revision, true color is for permitting purposes only.

**Units**
- NTU = nephelometric turbidity units
- µS/cm = microsiemens per centimeter
- mg/L = milligrams per liter
- µV = millivolts
- ppt = parts per thousand
- En = Enterococci

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