

# Black Bear Creek at Pawnee



|                         |  |                    |
|-------------------------|--|--------------------|
| <b>Sample Record</b>    | <a href="#">Biological Collections</a> | <b>Station ID</b>  |
| December 1998 - Current | <a href="#">Gaging Data</a>            | 621200030010-001AT |

|                    |                    |   |                                       |
|--------------------|--------------------|---|---------------------------------------|
| <b>Stream Data</b> | County             | Pawnee  | <a href="#">Request Data By Email</a> |
|                    | Location           | North of the Town of Pawnee on State Highway 18 |                                       |
|                    | Latitude/Longitude | 36.34341161, -96.79985204                       |                                       |
|                    | Planning Watershed | Upper Arkansas (8-digit HUC - 11060006)         |                                       |

|                  | Parameter ( <i>Descriptions</i> )     | n   | Mean  | Median | Min./Max     | p25/p75     | Comments  |
|------------------|---------------------------------------|-----|-------|--------|--------------|-------------|-----------|
|                  |                                       |     |       |        |              |             |           |
| <b>In-Situ</b>   | Water Temperature (°C)                | 160 | 16.9  | 16.7   | -0.3/33.3    | 9.3/24.6    |           |
|                  | Turbidity (NTU)                       | 161 | 132   | 49     | 4/1000       | 21/154      |           |
|                  | pH (units)                            | 160 | 7.92  | 7.94   | 6.26/8.70    | 7.67/8.16   |           |
|                  | Dissolved Oxygen (mg/L)               | 168 | 8.83  | 8.26   | 1.70/30.01   | 6.31/10.21  |           |
|                  | Hardness (mg/L)                       | 159 | 228   | 217    | 42/533       | 150/302     |           |
| <b>Minerals</b>  | Total Dissolved Solids (mg/L)         | 234 | 497   | 433    | 100/1440     | 275/680     |           |
|                  | Specific Conductivity (uS/cm)         | 159 | 815   | 732    | 158/2215     | 434/1096    |           |
|                  | Chloride (mg/L)                       | 163 | 138   | 116    | <10/564      | 58/197      |           |
|                  | Sulfate (mg/L)                        | 163 | 48    | 43     | 10/170       | 33/59       |           |
| <b>Nutrients</b> | Total Phosphorus (mg/L)               | 163 | 0.234 | 0.188  | <0.010/1.330 | 0.123/0.301 |           |
|                  | Total Nitrogen (mg/L)                 | 162 | 1.51  | 1.37   | 0.47/4.36    | 0.93/1.88   |           |
|                  | Nitrate/Nitrite (mg/L)                | 99  | 0.29  | 0.16   | <0.05/1.34   | <0.05/0.50  |           |
|                  | Chlorophyll A (mg/m <sup>3</sup> )    | 44  | 19.9  | 11.9   | 2.3/81.2     | 7.8/25.0    | TSI=59.9  |
| <b>Bacteria</b>  | Enterococcus (cfu/100ml)(* -Geo. Mn.) | 35  | 1236  | 285    | <10/19000    | 55/1110     | Mean>OWQS |
|                  | E. Coli (cfu/100ml)(* -Geo. Mn.)      | 35  | 477   | 63     | <10/10462    | 20/264      |           |

| <b>Beneficial Uses</b>          | <a href="#">Click to learn more about Beneficial Uses</a> | Turbidity | pH | Dissolved Oxygen | Metals | Sulfates | Nitrates | Chlorides | Total Dissolved Solids | Bacteria | Bio. Fish | Bio. BMI | Sediment |
|---------------------------------|---|-----------|----|------------------|--------|----------|----------|-----------|------------------------|----------|-----------|----------|----------|
|                                 | Fish & Wildlife Propagation                               |           | NS | S                | S      | S        |          |           |                        |          |           | S        | U        |
| Aesthetics                      |   |           |    |                  |        |          |          |           |                        |          |           |          | S        |
| Agriculture                     |   |           |    |                  |        | S        |          | S         | S                      |          |           |          |          |
| Primary Body Contact Recreation |   |           |    |                  |        |          |          |           |                        | NS       |           |          |          |
| Public & Private Water Supply   |   |           |    |                  | NEI    |          | NEI      |           |                        | NEI      |           |          |          |
| Fish Consumption                |   |           |    |                  | NS     |          |          |           |                        |          |           |          |          |

S = Fully Supporting  
 NS = Not Supporting  
 NEI = Not Enough Information

**Notes**

U = Assessment yielded undetermined supporting status