

# Cimarron River at Guthrie



|                         |  |                    |
|-------------------------|--|--------------------|
| <b>Sample Record</b>    | <a href="#">Biological Collections</a> | <b>Station ID</b>  |
| December 1998 - Current | <a href="#">Gaging Data</a>            | 620910010010-001AT |

|                    |                    |   |                                       |
|--------------------|--------------------|---|---------------------------------------|
| <b>Stream Data</b> | County             | Logan   | <a href="#">Request Data by Email</a> |
|                    | Location           | North of the Town of Guthrie on US Highway 77 |                                       |
|                    | Latitude/Longitude | 35.91981845, -97.4257038                      |                                       |
|                    | Planning Watershed | Central (8-digit HUC -11050002)               |                                       |

|                  | Parameter ( <i>Descriptions</i> )     | n   | Mean  | Median | Min./Max    | p25/p75     | Comments           |
|------------------|---------------------------------------|-----|-------|--------|-------------|-------------|--------------------|
|                  |                                       |     |       |        |             |             |                    |
| <b>In-Situ</b>   | Water Temperature (°C)                | 155 | 17.4  | 17.2   | -1.1/37.3   | 9.5/25.0    |                    |
|                  | Turbidity (NTU)                       | 157 | 136   | 33     | 6/1000      | 15/82       | 16% of values>OWQS |
|                  | pH (units)                            | 155 | 8.14  | 8.15   | 7.06/9.72   | 7.95/8.32   |                    |
|                  | Dissolved Oxygen (mg/L)               | 163 | 10.06 | 9.81   | 4.55/18.09  | 8.23/11.80  |                    |
|                  | Hardness (mg/L)                       | 155 | 659   | 650    | 196/1890    | 505/788     |                    |
| <b>Minerals</b>  | Total Dissolved Solids (mg/L)         | 227 | 4837  | 4650   | 560/12670   | 3332/6108   |                    |
|                  | Specific Conductivity (uS/cm)         | 153 | 8031  | 7725   | 704/19499   | 5556/9945   |                    |
|                  | Chloride (mg/L)                       | 159 | 2233  | 2200   | <10/6500    | 1440/2689   |                    |
|                  | Sulfate (mg/L)                        | 158 | 448   | 453    | 115/851     | 350/556     |                    |
| <b>Nutrients</b> | Total Phosphorus (mg/L)               | 159 | 0.395 | 0.324  | 0.029/1.580 | 0.234/0.486 |                    |
|                  | Total Nitrogen (mg/L)                 | 158 | 2.10  | 1.84   | 0.58/6.40   | 1.50/2.32   |                    |
|                  | Nitrate/Nitrite (mg/L)                | 96  | 1.18  | 0.88   | <0.05/4.99  | 0.51/1.56   |                    |
|                  | Chlorophyll A (mg/m <sup>3</sup> )    | 94  | 30.2  | 26.9   | 0.3/133.0   | 13.3/41.7   | TSI=64.0           |
| <b>Bacteria</b>  | Enterococcus (cfu/100ml)(* -Geo. Mn.) | 28  | 1487  | 124    | <10/18000   | 48/791      | Mean>OWQS          |
|                  | E. Coli (cfu/100ml)(* -Geo. Mn.)      | 28  | 321   | 115    | <10/2415    | 52/333      | Mean>OWQS          |

| <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        |          |           |                        |          |           |          | U        |
| Aesthetics                      |   |                             |    |                  |        |          |          |           |                        |          |           |          | NEI      |
| Agriculture                     |   |                             |    |                  |        | S        |          | S         | S                      |          |           |          |          |
| Primary Body Contact Recreation |   |                             |    |                  |        |          |          |           |                        | NS       |           |          |          |
| Public & Private Water Supply   |   |                             |    |                  | S      |          | S        |           |                        | S        |           |          |          |
| Fish Consumption                |   |                             |    |                  | S      |          |          |           |                        |          |           |          |          |

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

**Notes**

U = Assessment yielded undetermined supporting status