

# Arkansas River at Sand Springs



|                                 |  |                    |
|---------------------------------|--|--------------------|
| <b>Sample Record</b>            | <a href="#">Biological Collections</a> | <b>Station ID</b>  |
| September 1999 – September 2012 | <a href="#">Gaging Data</a>            | 120420010130-001AT |

|                    |                    |   |                                       |
|--------------------|--------------------|---|---------------------------------------|
| <b>Stream Data</b> | County             | Tulsa   | <a href="#">Request Data By Email</a> |
|                    | Location           | South of the Town of Sand Springs on State Highway 97 |                                       |
|                    | Latitude/Longitude | 36.12393866, -96.11578343                             |                                       |
|                    | Planning Watershed | Middle Arkansas (8-digit HUC - 11110101)              |                                       |

|                  | Parameter ( <i>Descriptions</i> )     | n   | Mean  | Median | Min./Max    | p25/p75     | Comments             |
|------------------|---------------------------------------|-----|-------|--------|-------------|-------------|----------------------|
|                  |                                       |     |       |        |             |             |                      |
| <b>In-Situ</b>   | Water Temperature (°C)                | 103 | 17.3  | 19.0   | 0.5/33.0    | 9.5/24.6    |                      |
|                  | Turbidity (NTU)                       | 105 | 34    | 15     | 3/735       | 8/30        | 19% of values > OWQS |
|                  | pH (units)                            | 102 | 7.86  | 7.87   | 7.16/8.63   | 7.69/8.02   |                      |
|                  | Dissolved Oxygen (mg/L)               | 104 | 8.89  | 8.89   | 2.84/15.85  | 7.05/10.40  |                      |
|                  | Hardness (mg/L)                       | 105 | 243   | 236    | 59/412      | 197/286     |                      |
| <b>Minerals</b>  | Total Dissolved Solids (mg/L)         | 147 | 992   | 923    | 115/2651    | 702/1199    |                      |
|                  | Specific Conductivity (uS/cm)         | 103 | 1640  | 1561   | 179/4080    | 1125/1994   |                      |
|                  | Chloride (mg/L)                       | 104 | 367   | 309    | 91/1100     | 239/465     |                      |
|                  | Sulfate (mg/L)                        | 105 | 115   | 112    | 29/228      | 85/136      |                      |
| <b>Nutrients</b> | Total Phosphorus (mg/L)               | 105 | 0.138 | 0.140  | 0.016/0.281 | 0.109/0.164 |                      |
|                  | Total Nitrogen (mg/L)                 | 104 | 1.14  | 1.15   | 0.46/2.20   | 0.79/1.43   |                      |
|                  | Nitrate/Nitrite (mg/L)                | 56  | 0.45  | 0.42   | <0.05/1.20  | 0.18/0.65   |                      |
|                  | Chlorophyll A (mg/m <sup>3</sup> )    | 32  | 6.1   | 5.4    | 0.7/18.7    | 3.1/7.9     | TSI=48.3             |
| <b>Bacteria</b>  | Enterococcus (cfu/100ml)(* -Geo. Mn.) | 25  | 67    | 20     | <10/400     | <10/74      |                      |
|                  | E. Coli (cfu/100ml)(* -Geo. Mn.)      | 25  | 27    | 20     | <10/119     | <10/31      |                      |

| <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        | S        |
| Aesthetics                        |   |                             |    |                  |        |          |          |           |                        |          |           |          | S        |
| Agriculture                       |   |                             |    |                  |        | S        |          | S         | S                      |          |           |          |          |
| Secondary Body Contact Recreation |   |                             |    |                  |        |          |          |           |                        | S        |           |          |          |
| 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