

# Spring Creek at Murphy



|                         |  |                    |
|-------------------------|--|--------------------|
| <b>Sample Record</b>    | <a href="#">Biological Collections</a> | <b>Station ID</b>  |
| November 1998 - Current | <a href="#">Gaging Data</a>            | 121600010290-001AT |

|                    |                    |  |                                       |
|--------------------|--------------------|--|---------------------------------------|
| <b>Stream Data</b> | County             | Mayes  | <a href="#">Request Data By Email</a> |
|                    | Location           | South of the Town of Locust Grove off State Highway 82 |                                       |
|                    | Latitude/Longitude | 36.13104241, -95.19015604                              |                                       |
|                    | Planning Watershed | Grand (8-digit HUC - 11070209)                         |                                       |

|                  | Parameter ( <i>Descriptions</i> )     | n   | Mean  | Median | Min./Max     | p25/p75      | Comments  |
|------------------|---------------------------------------|-----|-------|--------|--------------|--------------|-----------|
|                  |                                       |     |       |        |              |              |           |
| <b>In-Situ</b>   | Water Temperature (°C)                | 150 | 16.7  | 16.7   | 7.2/26.8     | 12.0/21.4    |           |
|                  | Turbidity (NTU)                       | 150 | 2     | 1      | 0/15         | 1/2          |           |
|                  | pH (units)                            | 149 | 7.49  | 7.48   | 6.80/8.65    | 7.25/7.73    |           |
|                  | Dissolved Oxygen (mg/L)               | 153 | 9.15  | 9.02   | 2.68/13.82   | 7.93/10.53   |           |
|                  | Hardness (mg/L)                       | 150 | 86    | 80     | <10/728      | 71/89        |           |
| <b>Minerals</b>  | Total Dissolved Solids (mg/L)         | 174 | 107   | 103    | <10/498      | 90/119       |           |
|                  | Specific Conductivity (uS/cm)         | 149 | 167   | 162    | 32/425       | 146/188      |           |
|                  | Chloride (mg/L)                       | 129 | <10   | <10    | <10/96       | <10/<10      |           |
|                  | Sulfate (mg/L)                        | 128 | <10   | <10    | <10/40       | <10/<10      |           |
| <b>Nutrients</b> | Total Phosphorus (mg/L)               | 155 | 0.022 | 0.013  | <0.010/0.392 | <0.010/0.019 |           |
|                  | Total Nitrogen (mg/L)                 | 156 | 0.64  | 0.55   | <0.10/3.01   | 0.38/0.77    |           |
|                  | Nitrate/Nitrite (mg/L)                | 95  | 0.54  | 0.47   | <0.05/1.49   | 0.33/0.66    |           |
|                  | Chlorophyll A (mg/m <sup>3</sup> )    | 93  | 1.0   | 0.4    | <0.1/29.5    | 0.2/0.7      | TSI=30.5  |
| <b>Bacteria</b>  | Enterococcus (cfu/100ml)(* -Geo. Mn.) | 47  | 182   | 20     | <10/3000     | <10/113      | Mean>OWQS |
|                  | E. Coli (cfu/100ml)(* -Geo. Mn.)      | 47  | 113   | <10    | <10/4352     | <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                               |           | S  | S                | S      | S        |          |           |                        |          |           | S        | S        |
| Aesthetics                      |   |           |    |                  |        |          |          |           |                        |          |           |          | S        |
| 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