

Station Name Bogy Creek Springs  
 TCEQ Segment No. 1810  
 TCEQ Station Id No. 20508  
 Monitoring Type Spring  
 Latitude 29.870000 Longitude -97.710278

| Parameter                             | Parameter Code | Date and 24 hour time |        |          |         |         |         |          |         |         |         |
|---------------------------------------|----------------|-----------------------|--------|----------|---------|---------|---------|----------|---------|---------|---------|
|                                       |                | 3/19/08               | 7/9/08 | 10/13/08 | 2/16/09 | 4/19/11 | 6/22/11 | 10/11/11 | 1/23/12 | 4/24/12 | 6/18/12 |
| Weather Conditions (Wet or Dry)       |                | Wet                   | Dry    | Dry      | Dry     | Dry     | Wet     | Wet      | Dry     | Dry     | Dry     |
| Rainfall (Inches)* within last 7 days |                | 1.00"                 | 0.44"  | 0.42"    | 0.50"   | 0.00"   | 1.34"   | 1.82"    | 0.00"   | 0.00"   | 0.18"   |
| Flow (cfs)                            | 00061          | 0.10                  | 0.2    | 0.7      | 0.05    | 0.3     | 0.2     | <0.01    | 0.04    | 0.5     | 0.2     |
| E coli (organisms/100 mL)             | 31699          | 640                   | 64     | 120      | 160     | 190     | 9800    | 200      | 61      | 96      | 170     |
| Suspended Solids (mg/L)               | 00530          | 10                    | 8      | 1.7      | 10.7    | 1.80    | 31      | 6.90     | 1.00    | 2.90    | 8.00    |
| pH                                    | 00400          | 7.47                  | 7.5    | 7.6      | 7.5     | 7.7     | 7.6     | 7.6      | 7.8     | 7.8     | 7.6     |
| Temperature (C)                       | 00010          | 15.8                  | 24.2   | 21.5     | 14.4    | 21.6    | 24.5    | 21       | 14.3    | 19      | 24.8    |
| Dissolved Oxygen (mg/L)               | 00300          | 7.03                  | 5      | 6.3      | 7.7     | 6.1     | 4.9     | 5.5      | 8.4     | 7.7     | 5.9     |
| Conductivity (umhos/cm)               | 00094          | 674                   | 673    | 680      | 1450    | 714     | 645     | 706      | 774     | 781     | 739     |
| Total Phosphorus (mg/L)               | 00665          | <0.05                 | <0.05  | <0.05    | <0.05   | <0.05   | 0.06    | 0.02     | <0.02   | 0.03    | 0.02    |
| Nitrate-N (mg/L)                      | 00620          | 5.4                   | 5.58   | 7.04     | 6.22    | 8.28    | 5.76    | 6.28     | 7.25    | 7.52    | 7.30    |
| Chloride (mg/L)                       | 00940          | 13.7                  | 11.8   | 12.8     | 14.4    | 13.1    | 13.3    | 12.5     | 15.9    | 17.2    | 14.5    |
| Sulfate (mg/L)                        | 00945          | 43.3                  | 45.2   | 47.7     | 48.4    | 45.7    | 47.3    | 47.2     | 65.5    | 58.3    | 54.4    |
| Ammonia-N (mg/L)                      | 00610          | <0.10                 | <0.10  | <0.10    | 0.18    | 0.31    | 0.19    | 0.14     | 0.25    | 0.22    | 0.23    |
| TKN                                   | 00625          |                       |        |          |         | 0.39    | 0.73    | 0.40     | 0.44    | <0.20   | <0.20   |

\*Rainfall data reported from National Climatic Data Center (NCDC) Preliminary Monthly Climate Data at Austin Bergstrom

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|---------------------------------------|----------------|-----------------------|---------|--------|--------|---------|---------|---------|--------|--------|---------|
|                                       |                | 11/14/12              | 2/19/13 | 5/9/13 | 7/1/13 | 9/24/13 | 1/20/14 | 4/15/14 | 7/8/14 | 9/9/14 | 2/24/15 |
| Weather Conditions (Wet or Dry)       |                | Dry                   | Dry     | Dry    | Dry    | Wet     | Dry     | Dry     | Dry    | Wet    | Dry     |
| Rainfall (Inches)* within last 7 days |                | 0.00"                 | 0.00"   | 0.01"  | .55"   | 2.97"   | 0.0"    | 0.0"    | 0.69"  | 1.41"  | 0.0"    |
| Flow (cfs)                            | 00061          | 0.09                  | 0.2     | <0.01  | 0.03   | 0.08    | 0.2     | 0.2     | <0.01  | 0.04   | 0.3     |
| E coli (organisms/100 mL)             | 31699          | 99                    | 57      | 200    | 76     | 52      | 370     | 66      | 260    | 53     | 170     |
| Suspended Solids (mg/L)               | 00530          | 1.80                  | 1.40    | 1.90   | 4.50   | 19.9    | 1.30    | 1.80    | 11.0   | 4.30   | 3.40    |
| pH                                    | 00400          | 7.8                   | 7.7     | 7.5    | 7.4    | 7.8     | 7.5     | 7.7     | 7.5    | 8.0    | 7.6     |
| Temperature (C)                       | 00010          | 14.4                  | 14.2    | 20.8   | 25.3   | 22.5    | 11.7    | 15.8    | 26.4   | 26.7   | 9.4     |
| Dissolved Oxygen (mg/L)               | 00300          | 8.3                   | 9.9     | 6.0    | 3.8    | 6.1     | 10.2    | 8.6     | 5.7    | 11.0   | 11.5    |
| Conductivity (umhos/cm)               | 00094          | 733                   | 712     | 714    | 649    | 623     | 838     | 769     | 724    | 629    | 797     |
| Total Phosphorus (mg/L)               | 00665          | 0.02                  | <0.02   | 0.02   | 0.04   | 0.04    | 0.02    | <0.02   | 0.02   | <0.02  | <0.02   |
| Nitrate-N (mg/L)                      | 00620          | 7.16                  | 7.00    | 5.88   | 2.36   | 2.55    | 6.72    | 4.80    | 5.56   | 4.40   | 6.12    |
| Chloride (mg/L)                       | 00940          | 13.1                  | 14.6    | 12.4   | 12.4   | 12.4    | 15.9    | 15.2    | 12.8   | 13.0   | 18.7    |
| Sulfate (mg/L)                        | 00945          | 49.7                  | 56.1    | 48.8   | 47.2   | 51.3    | 63.1    | 56.4    | 48.7   | 47.0   | 64.7    |
| Ammonia-N (mg/L)                      | 00610          | 0.16                  | 0.20    | 0.18   | <1.0   | 0.21    | <0.10   | 2.62    | 0.27   | 0.24   | <0.10   |
| TKN                                   | 00625          | <0.20                 | <0.20   | <0.20  | 0.50   | <0.20   | <0.20   | 0.47    | 0.53   | <0.20  | <0.20   |

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|---------------------------------------|----------------|-----------------------|---------|---------|--------|---------|----------|---------|--------|---------|---------|
|                                       |                | 4/20/15               | 7/14/15 | 10/8/15 | 2/3/16 | 7/12/16 | 10/25/16 | 2/21/17 | 4/4/17 | 7/25/17 | 2/27/18 |
| Weather Conditions (Wet or Dry)       |                | Wet                   | Dry     | Dry     | Dry    | Dry     | Dry      | Wet     | Wet    | Dry     | Wet     |
| Rainfall (Inches)* within last 7 days |                | 1"                    | 0.00"   | 0.00"   | 0.00"  | 0.04"   | 0.02"    | 1.37"   | 2.08"  | 0.00"   | .82"    |
| Flow (cfs)                            | 00061          | 1.6                   | 0.3     | 0.3     | 0.3    | 0.6     | 0.5      | 1.3     | 0.8    | 0.4     | 0.54    |
| E coli (organisms/100 mL)             | 31699          | 360                   | 390     | 410     | 57     | 200     | 86       | 2800    | 500    | 210     | 440     |
| Suspended Solids (mg/L)               | 00530          | 63.3                  | ---     | 1.90    | 0.60   | 1.60    | 0.80     | 20.3    | 4.40   | 2.70    | 3.00    |
| pH                                    | 00400          | 7.6                   | 7.5     | 7.5     | 8.1    | 7.6     | 7.3      | 7.5     | 7.6    | 7.7     | 7.7     |
| Temperature (C)                       | 00010          | 20.1                  | 24.4    | 21.1    | 14.5   | 25.1    | 20.4     | 17.5    | 20.2   | 26.0    | 16.9    |
| Dissolved Oxygen (mg/L)               | 00300          | 6.9                   | 7.6     | 7.6     | 12.3   | 7.6     | 7.2      | 8.9     | 7.8    | 8.3     | 7.9     |
| Conductivity (umhos/cm)               | 00094          | 367                   | 703     | 720     | 728    | 706     | 706      | 454     | 672    | 698     | 714     |
| Total Phosphorus (mg/L)               | 00665          | 0.48                  | <0.02   | <0.02   | <0.02  | 0.02    | 0.02     | 0.34    | 0.04   | <0.02   | <0.02   |
| Nitrate-N (mg/L)                      | 00620          | 3.36                  | 5.64    | 6.28    | 6.91   | 7.90    | 7.76     | 10.5    | 6.34   | 8.48    | 9.30    |
| Chloride (mg/L)                       | 00940          | 5.10                  | 19.2    | 15.0    | 16.5   | 15.6    | 13.0     | 7.97    | 17.2   | 14.0    | 14.9    |
| Sulfate (mg/L)                        | 00945          | 20.4                  | 49.0    | 46.2    | 51.9   | 45.6    | 41.1     | 25.9    | 43.7   | 41.0    | 42.8    |
| Ammonia-N (mg/L)                      | 00610          | 0.47                  | <0.10   | <0.10   | <0.10  | <0.10   | <0.10    | 0.24    | <0.10  | <0.10   | <0.10   |
| TKN                                   | 00625          | 1.54                  | <0.20   | <0.20   | <0.20  | <0.20   | <0.20    | 0.97    | <0.20  | 0.24    | <0.20   |

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 TCEQ Segment No. 1810  
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 Monitoring Type Spring  
 Latitude 29.870000 Longitude -97.710278

| Date and 24 hour time                 |                | 5/15/18 | 7/11/18 | 11/6/18 | 2/5/19 | 5/14/19 | 7/10/19 | 11/13/19 | 3/25/20 |
|---------------------------------------|----------------|---------|---------|---------|--------|---------|---------|----------|---------|
| Parameter                             | Parameter Code | 1230    | 1153    | 1100    | 1138   | 1142    | 1135    | 1251     | 1221    |
| Weather Conditions (Wet or Dry)       |                | Dry     | Wet     | Dry     | Dry    | Dry     | Dry     | Dry      | Wet     |
| Rainfall (Inches)* within last 7 days |                | 0.01"   | 1.26"   | 0.59"   | 0.00"  | 0.37"   | 0.00"   | 0.24"    | 1.78"   |
| Flow (cfs)                            | 00061          |         | 0.4     | 0.5     | 0.8    | 0.6     | 0.4     | 0.2      | 0.3     |
| E coli (organisms/100 mL)             | 31699          | 550     | 200     | 120     | 870    | 310     | 140     | 63       | 120     |
| Suspended Solids (mg/L)               | 00530          | 15.1    | 1.40    | 1.00    | 10.30  | 11.40   | 15.20   | 0.5      | 3.10    |

|                         |       |       |       |       |       |       |       |       |       |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| pH                      | 00400 | 7.6   | 7.6   | 7.3   | 7.4   | 7.6   | 7.5   | 7.7   | 6.4   |
| Temperature (C)         | 00010 | 22.6  | 24.8  | 21.3  | 19    | 20.5  | 25.2  | 10.6  | 18.3  |
| Dissolved Oxygen (mg/L) | 00300 | 6.3   | 5.8   | 8.2   | 8.8   | 8.2   | 7.5   | 8.1   | 4.2   |
| Conductivity (umhos/cm) | 00094 | 710   | 680   | 723   | 727   | 650   | 674   | 727   | 596   |
| Total Phosphorus (mg/L) | 00665 | 0.03  | 0.02  | 0.03  | <0.02 | 0.096 | 0.079 | 0.026 | 0.04  |
| Nitrate-N (mg/L)        | 00620 | 10.1  | 9.36  | 9.15  | 10.3  | 8.86  | 8.89  | 10.2  | 11.50 |
| Chloride (mg/L)         | 00940 | 15.30 | 14.8  | 17.1  |       | 14.3  | 14.4  | 15.4  | 15.4  |
| Sulfate (mg/L)          | 00945 | 43    | 41.2  | 47    |       | 38.9  | 38.8  | 46.5  | 44.9  |
| Ammonia-N (mg/L)        | 00610 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 |       | <0.10 |
| TKN                     | 00625 | <0.20 | <0.20 | <0.20 | <0.10 | <0.20 | <0.20 | <0.20 | 0.39  |

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| Parameter                             | Parameter Code | Date and 24 hour time |
|---------------------------------------|----------------|-----------------------|
| Weather Conditions (Wet or Dry)       |                |                       |
| Rainfall (Inches)* within last 7 days |                |                       |
| =====                                 |                |                       |
| Flow (cfs)                            | 00061          |                       |
| E coli (organisms/100 mL)             | 31699          |                       |

|                         |       |
|-------------------------|-------|
| Suspended Solids (mg/L) | 00530 |
| pH                      | 00400 |
| Temperature (C)         | 00010 |
| Dissolved Oxygen (mg/L) | 00300 |
| Conductivity (umhos/cm) | 00094 |
| Total Phosphorus (mg/L) | 00665 |
| Nitrate-N (mg/L)        | 00620 |
| Chloride (mg/L)         | 00940 |
| Sulfate (mg/L)          | 00945 |
| Ammonia-N (mg/L)        | 00610 |
| TKN                     | 00625 |

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|                                       |                | Date and 24 hour time |
|---------------------------------------|----------------|-----------------------|
| Parameter                             | Parameter Code |                       |
| Weather Conditions (Wet or Dry)       |                |                       |
| Rainfall (Inches)* within last 7 days |                |                       |
| =====                                 |                |                       |
| Flow (cfs)                            | 00061          |                       |

Data after February 2018 is preliminary and subject to change during data review and validation process

|                           |       |
|---------------------------|-------|
| E coli (organisms/100 mL) | 31699 |
| Suspended Solids (mg/L)   | 00530 |
| pH                        | 00400 |
| Temperature (C)           | 00010 |
| Dissolved Oxygen (mg/L)   | 00300 |
| Conductivity (umhos/cm)   | 00094 |
| Total Phosphorus (mg/L)   | 00665 |
| Nitrate-N (mg/L)          | 00620 |
| Chloride (mg/L)           | 00940 |
| Sulfate (mg/L)            | 00945 |
| Ammonia-N (mg/L)          | 00610 |
| TKN                       | 00625 |

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