

Station Name Lockhart Springs
 TCEQ Segment No. 1810
 TCEQ Station Id No. 20509
 Monitoring Type Spring
 Latitude 29.886656 Longitude -97.668058

| Parameter | Parameter Code | Date and 24 hour time | | | | | | | | | |
|---------------------------------------|----------------|-----------------------|--------|----------|---------|---------|---------|----------|---------|---------|---------|
| | | 3/19/08 | 7/9/08 | 10/13/08 | 2/16/09 | 4/19/11 | 6/21/11 | 10/11/11 | 1/23/12 | 4/25/12 | 6/18/12 |
| Weather Conditions (Wet or Dry) | | Wet | Dry | Dry | Dry | Dry | Dry | Wet | Dry | Dry | Dry |
| Rainfall (Inches)* within last 7 days | | 1.00" | 0.44" | 0.42" | 0.50" | 0.00" | 0.00" | 1.82" | 0.00" | 0.00" | 0.18" |
| Flow (cfs) | 00061 | 1.5 | 0.64 | 0.45 | 0.76 | 0.9 | 0.4 | 1.3 | 0.9 | 1.2 | 0.2 |
| E coli (organisms/100 mL) | 31699 | 200 | 290 | 430 | 160 | 390 | 770 | 370 | 93 | 270 | 200 |
| Suspended Solids (mg/L) | 00530 | --- | 4.3 | 2 | 1.7 | 4.20 | 3.5 | 1.90 | 1.7 | 9 | 4.3 |
| pH | 00400 | 8.01 | 7.6 | 7.8 | 7.9 | 8 | 8.1 | 7.3 | 7.9 | 8 | 8.1 |
| Temperature (C) | 00010 | 16.6 | 24.8 | 24 | 16.4 | 23.6 | 26.3 | 22.1 | 16.5 | 23 | 26.6 |
| Dissolved Oxygen (mg/L) | 00300 | 11.3 | 5.4 | 8.5 | 11.8 | 9 | 4.7 | 3.6 | 11.2 | 9.3 | 10.8 |
| Conductivity (umhos/cm) | 00094 | 773 | 776 | 794 | 805 | 805 | 787 | 896 | 836 | 774 | 824 |
| Total Phosphorus (mg/L) | 00665 | <0.05 | 0.05 | <0.05 | <0.05 | 0.05 | 0.05 | 0.05 | 0.04 | 0.06 | 0.05 |
| Nitrate-N (mg/L) | 00620 | 9.6 | 7.35 | 9.65 | 10.4 | 11.4 | 9.24 | 8.56 | 10.9 | 11.9 | 9.10 |
| Chloride (mg/L) | 00940 | 21.8 | 26.4 | 27.1 | 29.4 | 34.9 | 31.8 | 36.3 | 36.4 | 40.4 | 40.9 |
| Sulfate (mg/L) | 00945 | 52.8 | 63.5 | 64.6 | 65 | 67.8 | 60.4 | 65.9 | 62.5 | 68.3 | 78.6 |
| Ammonia-N (mg/L) | 00610 | <0.10 | <0.10 | <0.10 | 0.11 | 0.36 | 0.18 | 0.13 | 0.20 | 0.26 | 0.25 |
| TKN | 00625 | | | | | 0.48 | 0.39 | 0.46 | 0.40 | <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" | 0.00" | 0.0" | 0.69" | 1.41" | 0.0" |
| Flow (cfs) | 00061 | 0.6 | 0.8 | 0.4 | 0.3 | 0.5 | 0.7 | 0.6 | 0.4 | 0.1 | 0.8 |
| E coli (organisms/100 mL) | 31699 | 70 | 230 | 350 | 350 | 500 | 290 | 260 | 1100 | 820 | 200 |
| Suspended Solids (mg/L) | 00530 | 0.70 | 3.60 | 1.30 | 1.60 | 1.00 | <1 | 0.90 | 0.80 | 2.70 | 1.30 |
| pH | 00400 | 7.8 | 8.1 | 7.9 | 7.9 | 7.8 | 7.7 | 7.9 | 7.8 | 8.0 | 8.0 |
| Temperature (C) | 00010 | 17.6 | 17.5 | 21.8 | 25.9 | 24.2 | 15.8 | 16.9 | 25.6 | 26.5 | 11.2 |
| Dissolved Oxygen (mg/L) | 00300 | 9.3 | 14.0 | 8.0 | 9.1 | 7.8 | 10.5 | 10.1 | 8.2 | 7.5 | 13.0 |
| Conductivity (umhos/cm) | 00094 | 817 | 744 | 790 | 702 | 792 | 872 | 822 | 811 | 741 | 792 |
| Total Phosphorus (mg/L) | 00665 | 0.04 | 0.02 | 0.05 | 0.06 | 0.06 | 0.04 | 0.04 | 0.05 | 0.05 | 0.03 |
| Nitrate-N (mg/L) | 00620 | 11 | 10.9 | 10.6 | 8.72 | 10.5 | 11.5 | 8.90 | 10.2 | 11.40 | 11.1 |
| Chloride (mg/L) | 00940 | 28.7 | 30.7 | 27.5 | 24.1 | 30.6 | 34.5 | 31.3 | 25.8 | 21.8 | 33.0 |
| Sulfate (mg/L) | 00945 | 63.6 | 65.2 | 60.2 | 53.5 | 71.6 | 69.3 | 66.7 | 62.3 | 58.3 | 70.9 |
| Ammonia-N (mg/L) | 00610 | 0.19 | 0.16 | 0.13 | 0.12 | 0.16 | <0.1 | 0.60 | 0.19 | 0.16 | <0.10 |
| TKN | 00625 | <0.20 | <0.20 | <0.20 | <.20 | <0.20 | <0.2 | 0.304 | 0.24 | <0.20 | <0.20 |

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|---------------------------------------|----------------|-----------------------|---------|---------|--------|---------|----------|---------|--------|---------|---------|
| | | 4/20/15 | 7/14/15 | 10/8/15 | 2/2/16 | 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" | 0.16" | 0.04" | 0.02" | 1.37" | 2.08" | 0.00" | 0.82" |
| Flow (cfs) | 00061 | 1.2 | 1.3 | 1.2 | 1.3 | 1.7 | 3.1 | 3.1 | 3.5 | 1.5 | 1.5 |
| E coli (organisms/100 mL) | 31699 | 1400 | 550 | 130 | 59 | 180 | 68 | 1300 | 130 | 1400 | 460 |
| Suspended Solids (mg/L) | 00530 | 6.60 | 1.20 | <0.50 | 2.40 | 1.40 | 2.90 | 16.7 | 1.00 | 0.90 | 1.5 |
| pH | 00400 | 7.7 | 7.8 | 8.1 | 8.1 | 7.7 | 7.8 | 8.1 | 7.7 | 7.8 | 7.9 |
| Temperature (C) | 00010 | 19.3 | 26.6 | 23.2 | 18.1 | 26.1 | 22.6 | 19.2 | 21.1 | 25.9 | 19 |
| Dissolved Oxygen (mg/L) | 00300 | 6.6 | 10.7 | 9.3 | 12.7 | 8.3 | 8.4 | 9.1 | 9.1 | 8.4 | 9.2 |
| Conductivity (umhos/cm) | 00094 | 673 | 563 | 785 | 770 | 813 | 805 | 648 | 814 | 821 | 837 |
| Total Phosphorus (mg/L) | 00665 | 0.17 | 0.04 | 0.03 | 0.02 | 0.06 | 0.05 | 0.16 | 0.09 | 0.03 | 0.04 |
| Nitrate-N (mg/L) | 00620 | 6.16 | 10.1 | 10.5 | 12.9 | 15.2 | 3.07 | 12.8 | 13.6 | 18.9 | 16.4 |
| Chloride (mg/L) | 00940 | 24.2 | 35.7 | 25.5 | 27.6 | 29.2 | 24.8 | 15.4 | 27.6 | 28.0 | 29.7 |
| Sulfate (mg/L) | 00945 | 48.2 | 69.5 | 65.5 | 68.4 | 63.9 | 57.9 | 37.2 | 55.7 | 59.0 | 61.9 |
| Ammonia-N (mg/L) | 00610 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 |
| TKN | 00625 | 0.48 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |

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|---------------------------------------|----------------|-----------------------|---------|---------|--------|---------|----------|---------|
| | | 5/15/18 | 7/11/18 | 11/6/18 | 2/5/19 | 5/22/19 | 11/13/19 | 3/25/20 |
| Weather Conditions (Wet or Dry) | | Dry | Wet | Dry | Dry | Dry | Dry | Wet |
| Rainfall (Inches)* within last 7 days | | 0.01" | 1.26" | 0.59" | 0.00" | 0.37" | 0.24" | 1.78" |
| Flow (cfs) | 00061 | | 0.8 | 1.3 | 2.2 | 1.8 | 1.3 | 1 |
| E coli (organisms/100 mL) | 31699 | 160 | 91 | 170 | 170 | 160 | 61 | 310 |
| Suspended Solids (mg/L) | 00530 | 0.5 | <0.50 | <0.50 | 0.60 | 4.00 | <0.50 | 0.7 |
| pH | 00400 | 7.8 | 7.8 | 7.6 | 7.8 | 7.8 | 8 | 6.7 |
| Temperature (C) | 00010 | 23.6 | 25.5 | 21 | 20.4 | 21.9 | 13.8 | 22.2 |
| Dissolved Oxygen (mg/L) | 00300 | 8.1 | 7.4 | 8.5 | 10.8 | 9.3 | 11.6 | 7.8 |
| Conductivity (umhos/cm) | 00094 | 839 | 796 | 839 | 854 | 830 | 816 | 823 |
| Total Phosphorus (mg/L) | 00665 | 0.04 | 0.04 | 0.04 | 0.02 | 0.065 | 0.038 | 0.079 |
| Nitrate-N (mg/L) | 00620 | 18 | 16.2 | 15.9 | 16.3 | 16.7 | 18 | 16.9 |
| Chloride (mg/L) | 00940 | 31.2 | 26.7 | 28.6 | | 27.8 | 25.3 | 27.7 |
| Sulfate (mg/L) | 00945 | 64 | 58.7 | 63 | | 68.5 | 63.6 | 65.2 |
| Ammonia-N (mg/L) | 00610 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | | <0.10 |
| TKN | 00625 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |

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