

Station name Alligator Creek @ FM 1101

TCEQ Segment No. 1804A
 TCEQ Station Id No. GB707
 Monitoring Type Targeted
 Latitude 29.726450 Longitude -98.058403

| Parameter | Parameter Code | Date and 24 hour time | | | | | | | | | | |
|---------------------------------|----------------|-----------------------|---------|---------|---------|---------|---------|-----------|----------|----------|---------|---------|
| | | 5/26/09 | 8/20/09 | 9/14/09 | 10/6/09 | 1/15/10 | 4/19/13 | 7/20/2010 | 10/18/12 | 12/11/12 | 3/25/13 | 5/13/13 |
| Weather Conditions (Wet or Dry) | | Wet | Dry | Dry | Wet | | Dry | | | | | |
| Flow (cfs) | 00061 | DRY | DRY | DRY | 0.2 | 13.5 | DRY | DRY | DRY | DRY | DRY | DRY |
| E coli (organisms/100 mL) | 31699 | | | | 120 | 3100 | | | | | | |
| Suspended Solids (mg/L) | 00530 | | | | 14 | 48 | | | | | | |
| Turbidity (NTU) | 82079 | | | | 19 | 49.7 | | | | | | |
| pH | 00400 | | | | 7.6 | 7.6 | | | | | | |
| Temperature (C) | 00010 | | | | 25.4 | 11.5 | | | | | | |
| Dissolved Oxygen (mg/L) | 00300 | | | | 4.9 | 10.1 | | | | | | |
| Conductivity (umhos/cm) | 00094 | | | | 245 | 221 | | | | | | |
| Total Phosphorus (mg/L) | 00665 | | | | 0.17 | 0.16 | | | | | | |
| Nitrate-N (mg/L) | 00620 | | | | 0.29 | 0.38 | | | | | | |
| Chloride (mg/L) | 00940 | | | | 3.27 | 13 | | | | | | |
| Sulfate (mg/L) | 00945 | | | | 6.19 | 20 | | | | | | |
| Total Hardness (mg/L) | 00900 | | | | 120 | 120 | | | | | | |
| Ammonia-N (mg/L) | 00610 | | | | 0.12 | 0.11 | | | | | | |
| Chlorophyll a (mg/m3) | 32211 | | | | 2 | 2.3 | | | | | | |
| Pheophytin (mg/m3) | 32218 | | | | <1.0 | <1.0 | | | | | | |

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|---------------------------------|----------------|-----------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | | 6/12/13 | 9/18/13 | 9/23/13 | 9/30/13 | 12/9/14 | 3/17/14 | 5/14/14 | 7/21/14 | 9/10/14 | 11/5/14 | 12/8/14 |
| Weather Conditions (Wet or Dry) | | Dry | | | | | | | Dry | Wet | Wet | Dry |
| Flow (cfs) | 00061 | DRY | DRY | DRY | 0.5 | DRY | DRY | <0.1 | DRY | DRY | 0 | DRY |
| E coli (organisms/100 mL) | 31699 | | | | 1400 | | | 1000 | | | 1300 | |
| Suspended Solids (mg/L) | 00530 | | | | 22.3 | | | 2.60 | | | 8.25 | |
| Turbidity (NTU) | 82079 | | | | 30.7 | | | 2.4 | | | 9.7 | |
| pH | 00400 | | | | 7.6 | | | 7.7 | | | 7.4 | |
| Temperature (C) | 00010 | | | | 25.7 | | | 22.2 | | | 17.1 | |
| Dissolved Oxygen (mg/L) | 00300 | | | | 5.0 | | | 5.1 | | | 5.8 | |
| Conductivity (umhos/cm) | 00094 | | | | 198 | | | 342 | | | 151 | |
| Total Phosphorus (mg/L) | 00665 | | | | 0.20 | | | 0.23 | | | 0.16 | |
| Nitrate-N (mg/L) | 00620 | | | | 0.59 | | | 0.06 | | | <0.05 | |
| Chloride (mg/L) | 00940 | | | | 2.52 | | | 29.5 | | | 1.57 | |
| Sulfate (mg/L) | 00945 | | | | 4.33 | | | 29.8 | | | 6.25 | |
| Total Hardness (mg/L) | 00900 | | | | 89.8 | | | 119 | | | 61.0 | |
| Ammonia-N (mg/L) | 00610 | | | | 0.12 | | | 0.64 | | | 0.28 | |
| Chlorophyll a (mg/m3) | 32211 | | | | <1.0 | | | 5.45 | | | <1.0 | |
| Pheophytin (mg/m3) | 32218 | | | | <1.0 | | | <1.0 | | | <1.0 | |
| TKN | 625 | | | | 3.25 | | | 0.635 | | | | |

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|---------------------------------|----------------|-----------------------|---------|---------|---------|---------|----------|---------|---------|---------|--------|---------|
| | | 1/28/15 | 3/16/15 | 6/10/15 | 8/17/15 | 9/10/15 | 10/20/15 | 11/3/15 | 1/11/16 | 4/12/16 | 5/9/16 | 7/18/16 |
| Weather Conditions (Wet or Dry) | | Wet | Dry | Dry | Dry | Wet | Dry | Wet | Dry | Wet | Dry | Dry |
| Flow (cfs) | 00061 | 0.0 | 0.0 | 0.00 | 0.00 | DRY | DRY | 0.00 | 0.00 | 0.00 | 0.00 | DRY |
| E coli (organisms/100 mL) | 31699 | 120 | 7 | 76 | 1000 | | | 120 | 12 | 14 | 10 | |
| Suspended Solids (mg/L) | 00530 | 15.8 | 6.00 | 2.70 | 5.60 | | | 11.2 | 6.40 | 6.50 | 11.1 | |
| Turbidity (NTU) | 82079 | 36.9 | 4.2 | 1.1 | 2.7 | | | 20.7 | 18.6 | 68.1 | 11.0 | |
| pH | 00400 | 7.9 | 8.1 | 8.0 | 7.5 | | | 7.6 | 8.2 | 7.5 | 7.9 | |
| Temperature (C) | 00010 | 12.0 | 16.6 | 26.4 | 27.3 | | | 19.9 | 9.4 | 20.1 | 20.7 | |
| Dissolved Oxygen (mg/L) | 00300 | 9.7 | 9.0 | 10.3 | 5.3 | | | 5.2 | 10.5 | 3.4 | 6.4 | |
| Conductivity (umhos/cm) | 00094 | 238 | 315 | 591 | 630 | | | 227 | 254 | 412 | 361 | |
| Total Phosphorus (mg/L) | 00665 | 0.27 | 0.03 | 0.04 | 0.03 | | | 0.19 | 0.07 | 0.15 | 0.05 | |
| Nitrate-N (mg/L) | 00620 | 0.41 | <0.05 | 1.06 | 2.09 | | | 0.26 | 0.76 | <0.05 | 0.28 | |
| Chloride (mg/L) | 00940 | 4.74 | 16.2 | 18.8 | 21.7 | | | 2.93 | 4.51 | 14.6 | 7.42 | |
| Sulfate (mg/L) | 00945 | 8.2 | 22.3 | 21.4 | 24.5 | | | 6.03 | 11.7 | 19.9 | 49.5 | |
| Total Hardness (mg/L) | 00900 | 103 | 121 | 292 | 295 | | | 103 | 110 | 180 | 111 | |
| Ammonia-N (mg/L) | 00610 | 0.11 | <0.10 | <0.10 | <0.10 | | | <0.10 | <0.10 | 0.42 | 0.10 | |
| Chlorophyll a (mg/m3) | 32211 | 12.5 | 17.3 | 1.78 | 5.34 | | | 1.45 | 9.43 | 2.79 | 14.1 | |
| Pheophytin (mg/m3) | 32218 | <1.0 | <1.0 | <1.00 | <1.00 | | | <1.00 | <1.00 | <1.00 | 2.14 | |
| TKN | 00625 | 0.72 | 1.01 | 0.35 | <0.20 | | | <0.20 | 0.84 | 1.70 | 1.10 | |

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|---------------------------------|----------------|-----------------------|---------------|--------------|--------------|
| | | 8/15/16 1456 | 10/17/16 1330 | 12/8/16 1543 | 2/16/17 1446 |
| Weather Conditions (Wet or Dry) | | Dry | Dry | Wet | Wet |
| Flow (cfs) | 00061 | 52 | DRY | 0.00 | DRY |
| E coli (organisms/100 mL) | 31699 | 10000 | | 10 | |
| Suspended Solids (mg/L) | 00530 | 20.9 | | 28.4 | |
| Turbidity (NTU) | 82079 | 19.7 | | 32.6 | |
| pH | 00400 | 7.4 | | 9.6 | |
| Temperature (C) | 00010 | 25.3 | | 9.9 | |
| Dissolved Oxygen (mg/L) | 00300 | 5.0 | | 10.8 | |
| Conductivity (umhos/cm) | 00094 | 190 | | 230 | |
| Total Phosphorus (mg/L) | 00665 | 0.12 | | 0.09 | |
| Nitrate-N (mg/L) | 00620 | 0.13 | | 0.90 | |
| Chloride (mg/L) | 00940 | 6.66 | | 9.44 | |
| Sulfate (mg/L) | 00945 | 11.9 | | 21.6 | |
| Total Hardness (mg/L) | 00900 | 69.8 | | 113 | |
| Ammonia-N (mg/L) | 00610 | <0.10 | | <0.10 | |
| Chlorophyll a (mg/m3) | 32211 | 4.69 | | <1.00 | |
| Pheophytin (mg/m3) | 32218 | <1.00 | | <1.00 | |
| TKN | 00625 | 0.26 | | 0.71 | |