Gills Creek A (June 3, 2021 - July 6, 2021)

| | | CONTINUOUS | SUMMARY STATISTICS | | | | | |
|---|---|-------------------------------|---------------------|-----------------------------------|--------------------|---------------------|-----------------------|--|
| PARAMETER | DESCRIPTION | WATER QUALITY PARAMETERS: | MINIMUM OBSERVED | MAXIMUM OBSERVED | MEDIAN OBSERVED | MEAN OBSERVED | STANDARI DEVIATION | |
| STREAM NAME: | Gills Creek | STAGE (FT): | 1.4 | 3.1 | 1.9 | 1.9 | 0.3 | |
| LOCATION: | Forest Drive Bridge | | | | | | | |
| ADDRESS: | 4840 Forest Drive, Columbia, SC 29206 | TEMPERATURE (°F): | 75 | 90 | 83 | 83 | 2 | |
| COORDINATES: | 34.019826, -80.963566 | TURBIDITY (NTU): | 4 | 578 | 21 | 23 | 22 | |
| TMDL/IMPAIRMENT: | Fecal & Dissolved Oxygen | TORBIBITT (IVTO). | | 370 | 21 | 25 | | |
| NEIGHBORING LANDUSE: | Residential and commercial | | | | | | | |
| APPROX. DRAINAGE AREA: | 48 square miles | pH: | 6.3 | 7.1 | 6.8 | 6.8 | 0.1 | |
| SPATIAL LOCATION: | Most upstream site | SPECIFIC | | | | | | |
| TOTAL NO. STORMS OVER 0.1 INCH: | 15 | CONDUCTIVITY (mS/cm): | 0.026 | 0.058 | 0.043 | 0.043 | 0.001 | |
| MAX. DAILY RAINFALL: | 1.2 inches | DIGGOLVED | | | | | | |
| TOTAL RAINFALL | 6.9 inches | DISSOLVED OXYGEN (mg/L): | 6.4 | 8.0 | 7.3 | 7.3 | 0.4 | |
| (FOR PERIOD): | | | | | | | | |
| 9 | <u> </u> | Stage & Rain | fall | | | | 0.0 | |
| 3 gage, # | 1 1 | | | | ' | | 0.5 | |
| g 3 | | | | | | | 1.0 | |
| 6/3 6/5 6/7 | 6/9 6/11 6/13 6, | /15 6/17 6/19 6 | /21 6/23 | 6/25 6/27 | 6/29 7/1 | 7/3 7/5 | 7/7 | |
| | | | | | | | | |
| 95 — | | Water Ten | np | | | | | |
| 90 | 400 | | | | MM | C A A | | |
| 80 75 | | | | | | | | |
| 6/3 6/5 6/7 | 6/9 6/11 6/13 6 | 5/15 6/17 6/19 | 6/21 6/23 | 6/25 6/27 | 6/29 7/1 | 7/3 7/ | 5 7/7 | |
| | | Turbidit | v | | | | | |
| o 400 | | | , | | | | | |
| P 400 | | | | | | | | |
| 0 - 6/5 - 6 | 77 6/0 6/11 6/12 | | 6/21 6/22 | 6/25 6/27 | 6/20 7/1 | 7/2 7 | /5 7/7 | |
| 6/3 6/5 6 | /7 6/9 6/11 6/13 | 6/15 6/17 6/19 | 6/21 6/23 | 6/25 6/27 | 6/29 7/1 | . 7/3 7 | /5 /// | |
| | | рН | | | | | | |
| 7.1 | | | | $\Lambda \Lambda \Lambda \Lambda$ | \ \ \ \ \ \ | 6 A A | | |
| 됩 6.7 6.5 | James Control of the | HODOW | | ,,,,, | VVV. | | V | |
| 6.3 | | | -/ | | | -/- | | |
| 6/3 6/5 6/7 | 6/9 6/11 6/13 | 6/15 6/17 6/19 | 6/21 6/23 | 6/25 6/27 | 6/29 7/1 | 7/3 7 | 7/5 7/7 | |
| | | Specific Con | ductivity | | | | | |
| 0.06 | | 1 | | | | | | |
| 5 0.05 € 0.04 € | | d | | | | | | |
| 0.03 | | | 1 | | | | | |
| 6/3 6/5 6/ | 7 6/9 6/11 6/13 | 6/15 6/17 6/19 | 6/21 6/23 | 6/25 6/27 | 6/29 7/1 | . 7/3 7 | /5 7/7 | |
| CODUCT in attracts | andard: Daily average not less than F h | with a low of 4 mg/l · | 10 | | | - A mali 10000150 | uu Char day 13 | |
| 10 | andard: Daily average not less than 5 mg/L | with a low of 4 mg/L Dissolve | d Oxygen | | | - 4 mg/L (SCDHEC Lo | ow Standard) | |
| 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | ~ | ~~~~ | + | ~~~ | ~~~ | ~~~ | | |
| 4 2 | | | | | | | + | |
| | 7 6/9 6/11 6/13 | 6/15 6/17 6/19 | 6/21 6/23 | 6/25 6/27 | 6/29 7/ | | | |

Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

Gills Creek A (June 3, 2021 - July 6, 2021)

Explanation of Statistics:

| MINIMUM OBSERVED | The minimum of the values recorded by the datasonde in 15 minute intervals. |
|-----------------------|--|
| MAXIMUM OBSERVED | The maximum of the values recorded by the datasonde in 15 minute intervals. |
| MEDIAN OBSERVED | The median of all the values recorded by the datasonde in 15 minute intervals. |
| MEAN OBSERVED | The average of all the values recorded by the datasonde in 15 minute intervals. |
| STANDARD DEVIATION | The standard deviation of all the values recorded by the datasonde in 15 minute intervals. |

Sampled Data:

| | Sam | ple 1 | Sam | Sample 2 | | Sample 3 | | ple 4 |
|---------------------------------|------|---------|-------|----------|-------|----------|------|---------|
| Analyte (units) | 7/2/ | 2021 | 7/2/ | 2021 | 7/2/ | 2021 | | |
| | Time | Results | Time | Results | Time | Results | Time | Results |
| Escherichia coli (MPN/100mL) | 9:46 | 189 | 11:40 | 1,145 | 12:57 | 1,439 | | |
| Total Suspended Solids (mg/L) | 9:46 | 8 | 11:40 | 14 | 12:57 | 15 | | |
| Total Phosphorus (mg/L) | 9:46 | 0.057 | 11:40 | 0.055 | 12:57 | ND | | |
| Total Nitrogen (mg/L) | | | | | | | | |

All samples were collected during wet weather conditions.

Notes:

Data Gaps

There were brief gaps in stage data collected by the pressure transducer on June 16th and June 17th due to technical issues.

Potential Illicit Discharges and Abnormal Events:

The specific conductivity parameter increased abnormally during storm events on June 3rd, June 10th, June 14th, June 20th, and July 2nd. The specific conductivity parameter also increased on June 5th, June 9th, June 25th, June 28th, and June 30th. These events may have been the result of illicit discharges.

Gills Creek B (June 3, 2021 - July 6, 2021)

| | | CONTINUOUS | | SU | MMARY STATIS | STICS | |
|--|--|--|---------------------|---------------------|--------------------|------------------|-----------------------|
| PARAMETER | DESCRIPTION | WATER QUALITY PARAMETERS: | MINIMUM OBSERVED | MAXIMUM OBSERVED | MEDIAN OBSERVED | MEAN OBSERVED | STANDARI DEVIATION |
| STREAM NAME: | Gills Creek | DISCHARGE (CFS): | 18.6 | 230.0 | 49.5 | 64.2 | 42.9 |
| LOCATION: | Devine Street bridge | TEMPERATURE | 75 | 04 | 04 | 00 | 0 |
| ADDRESS: | 4716 Devine Street Columbia, SC 29209 | (°F): | 75 | 91 | 81 | 82 | 3 |
| COORDINATES: | 33.989656, -80.97433 | TURBIDITY (NTU): | 10 | 356 | 26 | 34 | 31 |
| TMDL/IMPAIRMENT: | Fecal & Dissolved Oxygen | | | | | | |
| NEIGHBORING LANDUSE: | Residential and commercial | pH: | 6.2 | 6.8 | 6.5 | 6.5 | 0.1 |
| APPROX. DRAINAGE AREA: | 59 square miles | P | J | | | | |
| SPATIAL LOCATION: | Middle site | SPECIFIC CONDUCTIVITY | 0.030 | 0.101 | 0.052 | 0.053 | 0.006 |
| TOTAL NO. STORMS OVER 0.1 INCH: | 12 | (mS/cm): | 0.030 | 0.101 | 0.052 | 0.053 | 0.006 |
| MAX. DAILY RAINFALL: | 1.2 inches | DISSOLVED | 4.4 | 7.0 | 0.0 | 0.7 | 0.5 |
| TOTAL RAINFALL (FOR PERIOD): | 5.8 inches | OXYGEN (mg/L): | 4.4 | 7.8 | 6.8 | 6.7 | 0.5 |
| | e USGS 02169570 Gills Creek station. | Discharge & Rair | ıfall | | | | |
| g 600 400 | | * | T | | | 141 | 0.0 |
| S 400 200 0 | | | | | | | 0.5 |
| 6/3 6/5 6/7 | 6/9 6/11 6/13 6/15 | 6/17 6/19 6/21 | 6/23 | 5/25 6/27 | 6/29 7/1 | 7/3 7/5 | 7/7 |
| | | | | | | | |
| | | | | | | | |
| 95 | | Water Temp | | | | | |
| 90 85 | | Water Temp | Λ. Λ. | ٨٨٨ | | | A |
| 90 | | Water Temp | ^_^ | \ \\\\ | | | <u> </u> |
| 90 85 80 75 | 6/9 6/11 6/13 6/15 | Water Temp 6/17 6/19 6/21 | 6/23 | 6/25 6/27 | 6/29 7/1 | 7/3 7/5 | 7/7 |
| 90 80 75 70 6/3 6/5 6/7 | | \\\\ | 6/23 | 6/25 6/27 | 6/29 7/1 | 7/3 7/5 | 7/7 |
| 85 80 75 70 6/3 6/5 6/7 | | 6/17 6/19 6/21 | 6/23 | 6/25 6/27 | 6/29 7/1 | 7/3 7/5 | 7/7 |
| B 400 6/3 6/5 6/7 | | 6/17 6/19 6/21 | 6/23 | 6/25 6/27 | 6/29 7/1 | 7/3 7/5 | 7/7 |
| 85 80 75 70 6/3 6/5 6/7 | | 6/17 6/19 6/21 | بــــ | 6/25 6/27 | 6/29 7/1 | 7/3 7/5 | - |
| 9 85 80 6/5 6/7 6/3 6/5 6/7 | 6/9 6/11 6/13 6/15 | Turbidity 6/17 6/19 6/21 | <u></u> | | | | - |
| 85 80 75 70 6/3 6/5 6/5 6/7 | 6/9 6/11 6/13 6/15 | 6/17 6/19 6/21 Turbidity | <u></u> | | | | |
| # 85 80 75 70 6/3 6/5 6/7 6/8 6/8 6/8 6/8 6/8 | 6/9 6/11 6/13 6/15 | Turbidity 6/17 6/19 6/21 | <u></u> | | | | - |
| 9 85 80 6/5 6/7 6/3 6/5 6/7 6.8 6.8 6.8 6.4 6.2 6.0 | 6/9 6/11 6/13 6/15 | Turbidity 6/17 6/19 6/21 | 21 6/23 | 6/25 6/27 | 6/29 7/1 | 7/3 7/5 | 7/7 |
| 90 90 90 90 90 90 90 90 90 90 | 6/9 6/11 6/13 6/15 | Turbidity 6/17 6/19 6/21 | 21 6/23 | | | | 7/7 |
| # 85 80 75 70 6/3 6/5 6/7 6.8 6.6 6.6 6.2 6.3 6/5 6/7 | 6/9 6/11 6/13 6/15 | Turbidity 6/17 6/19 6/21 | 1 6/23 | 6/25 6/27 | 6/29 7/1 | 7/3 7/5 | 7/7 |
| # 85 80 75 70 6/3 6/5 6/7 6.8 6.8 6.8 6.4 6.2 6.0 6/3 6/5 6/7 | 6/9 6/11 6/13 6/15 | 6/17 6/19 6/21 Turbidity 6/17 6/19 6/2 pH 6/17 6/19 6/2 | 1 6/23 | 6/25 6/27 | 6/29 7/1 | 7/3 7/5 | 7/7 |
| 85 80 75 70 6/3 6/5 6/7 6/3 6/5 6/7 6/8 6.8 6.6 6.2 6.0 6/3 6/5 6/7 | 6/9 6/11 6/13 6/15 | 6/17 6/19 6/21 Turbidity 6/17 6/19 6/2 pH 6/17 6/19 6/2 | 1 6/23 | 6/25 6/27 | 6/29 7/1 | 7/3 7/5 | 7/7 |
| # 85 80 6/5 6/7 # 6.8 6.6 6.2 6.0 6/3 6/5 6/7 # 6.8 6.4 6.2 6.0 6/3 6/5 6/7 | 6/9 6/11 6/13 6/15 | 6/17 6/19 6/21 Turbidity 6/17 6/19 6/2 pH 6/17 6/19 6/2 | 1 6/23 ttivity | 6/25 6/27 | 6/29 7/1 | 7/3 7/5 | 5 7/7 |
| # 85 80 75 70 6/3 6/5 6/7 400 300 100 6/3 6/5 6/7 6.8 6.6 6.4 6.2 6.0 6/3 6/5 6/7 | 6/9 6/11 6/13 6/15 | 6/17 6/19 6/21 Turbidity 6/17 6/19 6/2 pH 6/17 6/19 6/2 Specific Conduct | 1 6/23 ttivity | 6/25 6/27 | 6/29 7/1 | 7/3 7/5 | 5 7/7 |
| # 85 80 6/5 6/7 # 6.8 6.6 6/5 6/7 # 6.8 6.6 6/5 6/7 # 6.8 6.6 6/5 6/7 # 6.8 6.6 6/5 6/7 # 6.8 6.6 6/5 6/7 # 6.8 6.6 6/5 6/7 # 5.2 0.12 0.06 0.04 0.02 6/3 6/5 6/7 | 6/9 6/11 6/13 6/15 | 6/17 6/19 6/21 Turbidity 6/17 6/19 6/2 pH 6/17 6/19 6/2 Specific Conduct 6/17 6/19 6/2 | 1 6/23 tivity | 6/25 6/27 | 6/29 7/1 | 7/3 7/5 | 5 7/7 |
| 6.8 6.6 6.7 6/3 6/5 6/7 6.8 6.6 6.6 6.2 6.0 6/3 6/5 6/7 SCDHEC in-stream standard: | 6/9 6/11 6/13 6/15 6/9 6/11 6/13 6/15 6/9 6/11 6/13 6/15 | 6/17 6/19 6/21 Turbidity 6/17 6/19 6/2 pH 6/17 6/19 6/2 Specific Conduct 6/17 6/19 6/2 | 1 6/23 tivity | 6/25 6/27 | 6/29 7/1 | 7/3 7/5 | 5 7/7 |
| 6.8 6.6 6.7 6/3 6/5 6/7 6.8 6.6 6.4 6.2 6.0 6/3 6/5 6/7 SCDHEC in-stream standard: | 6/9 6/11 6/13 6/15 6/9 6/11 6/13 6/15 6/9 6/11 6/13 6/15 | 6/17 6/19 6/21 Turbidity 6/17 6/19 6/2 pH 6/17 6/19 6/2 Specific Conduct 6/17 6/19 6/2 | 1 6/23 tivity | 6/25 6/27 | 6/29 7/1 | 7/3 7/5 | 5 7/7 |

Gills Creek B (June 3, 2021 - July 6, 2021)

Explanation of Statistics:

| MINIMUM OBSERVED | The minimum of the values recorded by the datasonde in 15 minute intervals. |
|-----------------------|--|
| MAXIMUM OBSERVED | The maximum of the values recorded by the datasonde in 15 minute intervals. |
| MEDIAN OBSERVED | The median of all the values recorded by the datasonde in 15 minute intervals. |
| MEAN OBSERVED | The average of all the values recorded by the datasonde in 15 minute intervals. |
| STANDARD DEVIATION | The standard deviation of all the values recorded by the datasonde in 15 minute intervals. |

Sampled Data:

| | Sam | ple 1 | Sam | ple 2 | Sam | ple 3 | le 3 Sample | |
|---------------------------------|-------|---------|-------|---------|-------|---------|-------------|---------|
| Analyte (units) | 6/22/ | /2021 | 7/2/ | 2021 | 7/2/ | 2021 | 7/2/ | 2021 |
| | Time | Results | Time | Results | Time | Results | Time | Results |
| Escherichia coli (MPN/100mL) | 11:38 | 2,290 | 10:55 | 4,884 | 12:05 | 2,755 | 13:25 | 4,611 |
| Total Suspended Solids (mg/L) | 11:38 | 55.2 | 10:55 | 24 | 12:05 | 19 | 13:25 | 28 |
| Total Phosphorus (mg/L) | | | 10:55 | 0.055 | 12:05 | 0.055 | 13:25 | 0.053 |
| Total Nitrogen (mg/L) | | | | | | | | |

All samples were collected during wet weather conditions.

Notes:

Data Gaps

There were no data gaps at the GILB station during this monitoring period.

Potential Illicit Discharges and Abnormal Events:

The specific conductivity parameter increased on June 3rd, June 9th, June 11th, June 17th, June 20th, and June 29th which may have been the result of illicit discharges.

Gills Creek C (June 3, 2021 - July 6, 2021)

| | | CONTINUOUS | | SUM | MMARY STATIS | SUMMARY STATISTICS | | | | | |
|--|--------------------------------------|--|-------------------------------------|------------------------|--------------------|--------------------|-----------------------|--|--|--|--|
| PARAMETER | DESCRIPTION | WATER QUALITY PARAMETERS: | MINIMUM OBSERVED | MAXIMUM OBSERVED | MEDIAN OBSERVED | MEAN OBSERVED | STANDARD DEVIATION | | | | |
| STREAM NAME: | Gills Creek | STAGE (FT): | 2.0 | 5.9 | 3.5 | 3.6 | 0.8 | | | | |
| LOCATION: | Bluff Road bridge | | | | | | _ | | | | |
| ADDRESS: | 3009 Bluff Rd. Columbia, SC 29209 | TEMPERATURE (°F): | 75 | 84 | 79 | 80 | 2 | | | | |
| COORDINATES: | 33.948043, -80.9889 | | | | | | | | | | |
| TMDL/IMPAIRMENT: | Fecal & Dissolved Oxygen | TURBIDITY (NTU): | 7 | 92 | 12 | 15 | 9 | | | | |
| NEIGHBORING LANDUSE: | Residential and commercial | | | | | | | | | | |
| APPROX. DRAINAGE AREA: | 64 square miles | pH: | 5.4 | 6.4 | 6.3 | 6.2 | 0.1 | | | | |
| SPATIAL LOCATION: | Most downstream site | SPECIFIC | | | | | | | | | |
| TOTAL NO. STORMS OVER 0.1 INCH: | 13 | CONDUCTIVITY (mS/cm): | 0.0387 | 0.0743 | 0.0531 | 0.054 | 0.006 | | | | |
| MAX. DAILY RAINFALL: | 1.05 inches | DISSOLVED | | 2.2 | | | 2 - | | | | |
| TOTAL RAINFALL (FOR PERIOD): | 6.3 inches | OXYGEN (mg/L): | 5.0 | 6.6 | 5.8 | 5.7 | 0.3 | | | | |
| 12 | | Stage & Raini | fall | | | | | | | | |
| # 8 8 4 6/5 6/7 | 6/9 6/11 6/13 6 | /15 6/17 6/19 6, | /21 6/23 | 6/25 6/27 | 6/29 7/1 | 7/3 7/5 | 0.5 1.0 1.5 | | | | |
| | | | | | | | | | | | |
| 85 80 75 70 6/3 6/5 6/7 | 6/9 6/11 6/13 6 | Water Tem | p 5/21 6/23 | 6/25 6/27 | 6/29 7/1 | 7/3 7/5 | 5 7/7 | | | | |
| # 80 75 70 | 6/9 6/11 6/13 6 | \ | 6/21 6/23 | 6/25 6/27 | 6/29 7/1 | 7/3 7/5 | 5 7/7 | | | | |
| 80 75 70 6/3 6/5 6/7 | 6/9 6/11 6/13 6 | 6/15 6/17 6/19 6 | 6/21 6/23 | 6/25 6/27 | 6/29 7/1 | 7/3 7/5 | 5 7/7 | | | | |
| 80 75 70 6/3 6/5 6/7 | | 6/15 6/17 6/19 6 | 6/21 6/23 | 6/25 6/27 6/25 6/27 | 6/29 7/1 | 7/3 7/5 | | | | | |
| 80 75 70 6/3 6/5 6/7 | | Turbidity 6/15 6/17 6/19 | 5/21 6/23 | | | N | | | | | |
| 80 75 70 6/3 6/5 6/5 6/5 6/5 | | 7/15 6/17 6/19 6 Turbidity | 5/21 6/23 | | | N | | | | | |
| 100 75 75 0 6/3 6/5 6/7 | 7 6/9 6/11 6/13 | Turbidity 6/15 6/17 6/19 pH | 6/21 6/23 | 6/25 6/27 | 6/29 7/1 | 7/3 7/ | 5 7/7 | | | | |
| 80 75 70 6/3 6/5 6/5 6/7 | 7 6/9 6/11 6/13 | Turbidity 6/15 6/17 6/19 pH | 5/21 6/23 | | | N | 5 7/7 | | | | |
| 100 75 70 6/3 6/5 6/7 100 75 50 25 0 6/3 6/5 6/5 6/7 | 7 6/9 6/11 6/13 | Turbidity 6/15 6/17 6/19 pH | 6/21 6/23 | 6/25 6/27 | 6/29 7/1 | 7/3 7/ | 5 7/7 | | | | |
| 100 75 75 0 6/3 6/5 6/7 100 75 0 6/3 6/5 6/7 | 7 6/9 6/11 6/13 | Turbidity 6/15 6/17 6/19 PH 5/15 6/17 6/19 | 6/21 6/23 | 6/25 6/27 | 6/29 7/1 | 7/3 7/ | 5 7/7 | | | | |
| 80 75 70 6/3 6/5 6/7 100 75 50 25 0 6/3 6/5 6/7 100 75 0 6/3 6/5 6/7 100 100 100 100 100 100 100 10 | 6/9 6/11 6/13 | Turbidity 6/15 6/17 6/19 PH 5/15 6/17 6/19 | 6/21 6/23 | 6/25 6/27 | 6/29 7/1 | 7/3 7/ | 5 7/7 | | | | |
| 80 75 70 6/3 6/5 6/7 100 75 25 0 6/3 6/5 6/7 100 75 0 0 6/3 6/5 6/7 100 100 100 100 100 100 100 10 | 6/9 6/11 6/13 | Turbidity 6/15 6/17 6/19 pH Specific Cond 6/15 6/17 6/19 | 6/21 6/23 6/21 6/23 | 6/25 6/27 | 6/29 7/1 | 7/3 7/ | 5 7/7 | | | | |
| 80 75 70 6/3 6/5 6/7 100 75 50 25 0 6/3 6/5 6/7 100 75 0 0 6/3 6/5 6/7 100 75 0 6/3 6/5 6/7 100 6/3 6/5 6/7 100 6/3 6/5 6/7 100 6/3 6/5 6/7 100 6/3 6/5 6/7 100 6/7 6/7 6/7 6/7 6/7 6/7 6/7 6/7 | 6/9 6/11 6/13 6/9 6/11 6/13 | Turbidity 6/15 6/17 6/19 pH Specific Cond 6/15 6/17 6/19 | 6/21 6/23 6/21 6/23 luctivity | 6/25 6/27 | 6/29 7/1 | 7/3 7/ | 5 7/7 | | | | |
| 80 75 70 6/3 6/5 6/7 100 75 25 0 6/3 6/5 6/7 6.4 6.4 6.4 6.4 6.4 6.4 6.4 6.4 | 6/9 6/11 6/13 6/9 6/11 6/13 | Turbidity 6/15 6/17 6/19 pH Specific Cond 6/15 6/17 6/19 | 6/21 6/23 6/21 6/23 luctivity | 6/25 6/27 | 6/29 7/1 | 7/3 7/ | 5 7/7 | | | | |

Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

Gills Creek C (June 3, 2021 - July 6, 2021)

Explanation of Statistics:

| MINIMUM OBSERVED | The minimum of the values recorded by the datasonde in 15 minute intervals. |
|-----------------------|--|
| MAXIMUM OBSERVED | The maximum of the values recorded by the datasonde in 15 minute intervals. |
| MEDIAN OBSERVED | The median of all the values recorded by the datasonde in 15 minute intervals. |
| MEAN OBSERVED | The average of all the values recorded by the datasonde in 15 minute intervals. |
| STANDARD DEVIATION | The standard deviation of all the values recorded by the datasonde in 15 minute intervals. |

Sampled Data:

| | Sam | ple 1 | Sam | ple 2 | Sample 3 | | Sample 4 | | |
|---------------------------------|-------|---------|-------|---------|----------|---------|----------|---------|--|
| Analyte (units) | 6/22, | /2021 | 7/2/ | 2021 | 7/2/ | 2021 | 7/2/ | /2021 | |
| | Time | Results | Time | Results | Time | Results | Time | Results | |
| Escherichia coli (MPN/100mL) | 12:18 | 370 | 11:11 | 2,700 | 12:20 | 2,187 | 13:40 | 1597 | |
| Total Suspended Solids (mg/L) | 12:18 | 14 | 11:11 | 19 | 12:20 | 22 | 13:40 | 18 | |
| Total Phosphorus (mg/L) | | | 11:11 | 0.06 | 12:20 | 0.061 | 13:40 | 0.052 | |
| Total Nitrogen (mg/L) | | | | | | | | | |

All samples were collected during wet weather conditions.

Notes:

Data Gaps

There were no data gaps at the GILC station during this monitoring period.

Potential Illicit Discharges and Abnormal Events:

The pH decreased abnormally on June 8^{th} after a storm event. The specific conductivity increased on June 3^{rd} , June 18^{th} , and June 30^{th} which may have been the result of illicit discharges.