Continuous Water Quality Monitoring Periodic Report

Gills Creek A (July 19, 2023 - August 22, 2023)

| | | | | CONTINUO | | SUMMARY STATISTICS | | | | | |
|--|--------------------------------|-----------------------------------|------------------|-----------------------|-------------------------------------|-----------------------------------|-----|---------------------|-------------------|------------|-----------------|
| PARAMETER | DESCR | RIPTION | | WATER QU PARAMETE | | MINIMI OBSER | | MAXIMUM OBSERVED | MEDIAN OBSERVE | | STAND DEVIAT |
| STREAM NAME: | Gills | Creek | | STAGE (FT) |): | 1.4 | | 2.9 | 1.6 | 1.6 | 0.2 |
| LOCATION: | Forest Dr | rive Bridge | | | | | | | | | |
| ADDRESS: | | rest Drive, , SC 29206 | | TEMPERAT | URE (°F): | 78 | | 92 | 86 | 86 | 2 |
| COORDINATES: | 34.019826, | -80.963566 | | TURBIDITY | (NTU)· | 6 | | 316 | 7 | 10 | 17 |
| TMDL/IMPAIRMENT: | Fecal & Diss | olved Oxygen | | TONDIDITI | (). | | | 010 | , | 10 | ., |
| NEIGHBORING LANDUSE: | Residential ar | nd commercial | | pH: | | 6.3 | | 7.3 | 6.6 | 6.6 | 0.1 |
| APPROX. DRAINAGE AREA: | 48 squa | are miles | | - | | | | | | | |
| SPATIAL LOCATION: | Most ups | tream site | | SPECIFIC | | | | | | | |
| TOTAL NO. STORMS OVER 0.1 INCH: | : | 8 | | CONDUCTIV (mS/cm): | VITY | 0.02 | 7 | 0.058 | 0.042 | 0.042 | 0.00 |
| MAX. DAILY RAINFALL: | 0.9 ir | nches | | DISSOLVED |) | | | | | | |
| TOTAL RAINFALL (FOR PERIOD): | 3.0 ii | nches | | OXYGEN (m | | 4.9 | | 7.6 | 6.7 | 6.6 | 0.5 |
| | | | | : | Stage & Rain | fall | | | | | |
| ± 12 8 | | r | | r | | | | ľ | | | 0 0 |
| E 8 | | | | | | | | | | | 1 |
| 7/19 7/21 7/23 | 7/25 7/2 | 7 7/29 7/3 | 31 | 8/2 8/ | 4 8/6 | 8/8 | 8/1 | 0 8/12 | 8/14 8/16 | 8/18 8/20 | 8/22 |
| 100 | | | | | Water Tem | ıp | | | | | |
| 90 | ~~ | | | | | N | ^ | | | | ~~ |
| | ~ | | | | | | _ | | | | |
| 80 | | | | | | | | | | | |
| 70 7/19 7/21 7/23 | 7/25 7/2 | 7/29 7/ | /31 | 8/2 8 | 8/4 8/6 | 5 8/8 | 8/ | 10 8/12 | 8/14 8/16 | 5 8/18 8/2 | 20 8/22 |
| 70 7/19 7/21 7/23 | 7/25 7/2 | 27 7/29 7/ | /31 | 8/2 8 | 3/4 8/6 | | 8/ | 10 8/12 | 8/14 8/16 | 5 8/18 8/2 | 20 8/22 |
| 80 70 7/19 7/21 7/23 | 7/25 7/2 | 7/29 7/ | /31 | 8/2 8 | | | 8/ | 210 8/12 | 8/14 8/16 | 5 8/18 8/2 | 20 8/22 |
| P 400 300 100 | 7/25 7/2 | 27 7/29 7/ | /31 | 8/2 8 | | y | 8/ | 10 8/12 | 8/14 8/16 | 5 8/18 8/2 | 20 8/22 |
| 80 70 7/19 7/21 7/23 | | | 7/31 | | Turbidity | y | | 10 8/12 | 8/14 8/16 | | 20 8/22 |
| P 400 300 7/19 7/21 7/23 SCDHEC in-stream stand: | 3 7/25 7 | /27 7/29 | 7/31 | 8/2 | Turbidity | Y | | | | | |
| 80 70 7/19 7/21 7/23 200 0 7/19 7/21 7/2 SCDHEC in-stream stand: | 3 7/25 7 | /27 7/29 | 7/31 | 8/2 | Turbidity | Y | | | | | |
| 80 70 7/19 7/21 7/23 200 0 7/19 7/21 7/2 SCDHEC in-stream stand: | 3 7/25 7 | /27 7/29 | 7/31 | 8/2 | Turbidity | Y | | | | | |
| P 400 7/19 7/21 7/23 200 7/19 7/21 7/2 SCDHEC in-stream stand: | 3 7/25 7 | 1/27 7/29 ot less than 6.0 and no | 7/31 | 8/2 e than 8.5 | Turbidity | y /6 8/8 | 3 8 | | | 6 8/18 8/ | |
| P 400 7/19 7/21 7/23 P 400 7/19 7/21 7/23 SCDHEC in-stream stands 7.4 5.6 6.6 6.6 6.2 | 3 7/25 7 | 1/27 7/29 ot less than 6.0 and no | 7/31 oot more | 8/2 e than 8.5 | Turbidity 8/4 8, | y /6 8/8 | 3 8 | //10 8/12 | 8/14 8/1 | 6 8/18 8/ | /20 8/22 |
| P 400 7/19 7/21 7/23 200 0 7/19 7/21 7/2 SCDHEC in-stream stands 4.5 6.6 6.2 7/19 7/21 7/23 | 3 7/25 7 | 1/27 7/29 ot less than 6.0 and no | 7/31 oot more | 8/2 e than 8.5 | Turbidity 8/4 8, | y /6 8/8 | 3 8 | //10 8/12 | 8/14 8/1 | 6 8/18 8/ | /20 8/22 |
| P 400 7/19 7/21 7/23 200 7/19 7/21 7/23 SCDHEC in-stream stands 7.4 5.0 6.6 6.2 7/19 7/21 7/23 | 3 7/25 7 | 1/27 7/29 ot less than 6.0 and no | 7/31 oot more | 8/2 e than 8.5 | 8/4 8, | y /6 8/8 | 3 8 | //10 8/12 | 8/14 8/1 | 6 8/18 8/ | /20 8/22 |
| P 400 7/19 7/21 7/23 200 0 7/19 7/21 7/23 SCDHEC in-stream stands 7.4 5.0 6.6 6.2 7/19 7/21 7/23 | 3 7/25 7 | 1/27 7/29 ot less than 6.0 and no | 7/31 oot more | 8/2 e than 8.5 | 8/4 8, | y /6 8/8 | 3 8 | //10 8/12 | 8/14 8/1 | 6 8/18 8/ | /20 8/22 |
| P 400 7/19 7/21 7/23 200 7/19 7/21 7/23 SCDHEC in-stream stands 7.4 5.0 6.6 6.2 7/19 7/21 7/23 | 3 7/25 7 ard: All pH values no | ot less than 6.0 and no | 7/31 oot more | 8/2 8 8/2 8 | Turbidity 8/4 8, pH Specific Cond | y /6 8/8 | 8, | //10 8/12 | 8/14 8/1 | 6 8/18 8/ | /20 8/22 |
| 70 7/19 7/21 7/23 P 400 | 3 7/25 7 ard: All pH values no | 7/29 7/29 ot less than 6.0 and no | 7/31 oot more | 8/2 e than 8.5 8/2 8 | Turbidity 8/4 8, pH Specific Con- | y /6 8/8 6 8/8 ductivity | 8, | /10 8/12 | 8/14 8/1 | 6 8/18 8/ | /20 8/22 |
| F 200 7/19 7/21 7/23 SCDHEC in-stream stands 0.08 0.06 6.2 7/19 7/21 7/23 SCDHEC in-stream stands 0.07/19 7/21 7/23 | 3 7/25 7 ard: All pH values no | 7/29 7/29 ot less than 6.0 and no | 7/31 oot more | 8/2 e than 8.5 8/2 8 | Turbidity 8/4 8, pH Specific Con- | y /6 8/8 6 8/8 ductivity | 8, | /10 8/12 | 8/14 8/1 | 6 8/18 8/ | /20 8/22 |
| P 400 7/19 7/21 7/23 200 0 7/19 7/21 7/23 SCDHEC in-stream stands 6.6 6.2 7/19 7/21 7/23 SCDHEC in-stream stands 0.08 0.00 0.00 0.00 0.00 0.00 7/19 7/21 7/23 | 3 7/25 7 ard: All pH values no | 7/29 7/29 ot less than 6.0 and no | 7/31 oot more | 8/2 e than 8.5 8/2 8 | Turbidity 8/4 8, pH Specific Con- | y /6 8/8 6 8/8 ductivity | 8, | /10 8/12 | 8/14 8/1 | 6 8/18 8/ | /20 8/22 |

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

Continuous Water Quality Monitoring Periodic Report

Gills Creek A (July 19, 2023 - August 22, 2023)

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: No grab samples were collected during this monitoring period.

| Analyte (units) | | | | | | | | |
|------------------|------|---------|------|---------|------|---------|------|---------|
| | Time | Results | Time | Results | Time | Results | Time | Results |
| Escherichia coli | | | | | | | | |
| (MPN/100mL) | | | | | | | | |
| Total Suspended | | | | | | | | |
| Solids (mg/L) | | | | | | | | |
| Total Phosphorus | | | | | | | | |
| (mg/L) | | | | | | | | |
| Total Nitrogen | | | | | | | | |
| (mg/L) | | | | | | | | |

Notes:

Data Gaps

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

Potential Illicit Discharges and Abnormal Events:

Specific conductivity increased on 8/11, which may have been the result of a potential illicit discharge.

Continuous Water Quality Monitoring Periodic Report

Gills Creek B (July 19, 2023 - August 22, 2023)

| | | CONTINUOUS | | SU | MMARY STATIS | STICS | | |
|---|--|---|-------------------------------|---------------------|--------------------|------------------------|-----------------------|--|
| PARAMETER | DESCRIPTION | WATER QUALITY PARAMETERS: | MINIMUM OBSERVED | MAXIMUM OBSERVED | MEDIAN OBSERVED | MEAN OBSERVED | STANDARE DEVIATION | |
| STREAM NAME: | Gills Creek | DISCHARGE (CFS): | 15.4 | 231.0 | 30.0 | 37.3 | 23.0 | |
| LOCATION: | Devine Street bridge | TEMPERATURE | | | | | | |
| ADDRESS: | 4716 Devine Street Columbia, SC 29209 | (°F): | 82 | 92 | 86 | 86 | 2 | |
| COORDINATES: | 33.989656, -80.97433 | TURRIDITY (MTU) | | 004 | | 40 | 40 | |
| TMDL/IMPAIRMENT: | Fecal & Dissolved Oxygen | TURBIDITY (NTU): | 4 | 204 | 8 | 12 | 12 | |
| NEIGHBORING LANDUSE: | Residential and commercial | | | | | | | |
| APPROX. DRAINAGE AREA: | 59 square miles | pH: | 6.0 | 6.6 | 6.2 | 6.2 | 0.1 | |
| SPATIAL LOCATION: | Middle site | SPECIFIC | | | | | | |
| TOTAL NO. STORMS OVER 0.1 INCH: | 6 | CONDUCTIVITY (mS/cm): | 0.013 | 0.066 | 0.048 | 0.048 | 0.002 | |
| MAX. DAILY RAINFALL: | 1.1 inches | DISSOLVED | | | | | | |
| TOTAL RAINFALL (FOR PERIOD): | 2.9 inches | OXYGEN (mg/L): | 2.3 | 7.6 | 4.3 | 4.4 | 0.9 | |
| This discharge data is from the | e USGS 02169570 Gills Creek station. | Discharge & Rai | nfall | - | • | - | | |
| 600 450 | T | | 1 | T | | | 0.0 | |
| \$\frac{450}{80}\$ 300 | | | | | | | 0.5 1.0 1.5 | |
| 0 7/19 7/21 7/23 7 | 7/25 7/27 7/29 7/31 | 8/2 8/4 8/6 | 8/8 8/10 | 8/12 8/ | 14 8/16 8 | 8/18 8/20 | 8/22 | |
| | | | | | | | | |
| 105 | | Water Temp | | | | | | |
| 95 | | | | | | | | |
| | A A A A A | Λ Λ Λ Λ | | | | Λ Λ Λ | ^ | |
| 85 | | ~~~~ | | ~~~ | ^^ | \\\\\ | ^ | |
| 85 | 7/25 7/27 7/29 7/31 | 8/2 8/4 8/6 | 8/8 8/1 | 0 8/12 8, | /14 8/16 | 8/18 8/20 | 8/22 | |
| 85 75 7/19 7/21 7/23 | 7/25 7/27 7/29 7/31 | 8/2 8/4 8/6 Turbidity | 8/8 8/1 | 0 8/12 8, | /14 8/16 | 8/18 8/20 | 8/22 | |
| 85 7/19 7/21 7/23 | 7/25 7/27 7/29 7/31 | | 8/8 8/1 | 0 8/12 8, | /14 8/16 | 8/18 8/20 | 8/22 | |
| 85 75 7/19 7/21 7/23 | 7/25 7/27 7/29 7/31 | | 8/8 8/1 | 0 8/12 8, | /14 8/16 | 8/18 8/20 | 8/22 | |
| 85 75 7/19 7/21 7/23 | 7/25 7/27 7/29 7/31 | | | | /14 8/16 | 8/18 8/20 | 8/22 | |
| 85 7/19 7/21 7/23 250 200 150 50 7/19 7/21 7/23 | 7/25 7/27 7/29 7/31 | Turbidity 8/2 8/4 8/6 | | | | | | |
| 85 7/19 7/21 7/23 250 7/19 7/21 7/23 250 7/19 7/21 7/23 SCDHEC in-stream standard: All 7.0 | | Turbidity 8/2 8/4 8/6 | | | | | | |
| 250 200 200 150 50 7/19 7/21 7/23 | 7/25 7/27 7/29 7/31 | Turbidity 8/2 8/4 8/6 | | | | | | |
| 85 7/19 7/21 7/23 250 150 100 100 7/19 7/21 7/23 SCDHEC in-stream standard: All 7.0 6.5 6.0 5.5 | 7/25 7/27 7/29 7/31 pH values not less than 6.0 and not more t | 8/2 8/4 8/6 | 8/8 8/ | 10 8/12 8 | 3/14 8/16 | 8/18 8/20 | 8/22 | |
| 85 7/19 7/21 7/23 250 150 100 100 7/19 7/21 7/23 SCDHEC in-stream standard: All 7.0 6.5 6.0 5.5 | 7/25 7/27 7/29 7/31 | Turbidity 8/2 8/4 8/6 | | 10 8/12 8 | | | | |
| 85 75 7/19 7/21 7/23 250 200 100 100 7/19 7/21 7/23 SCDHEC in-stream standard: All 7.0 6.5 6.0 5.5 7/19 7/21 7/23 | 7/25 7/27 7/29 7/31 pH values not less than 6.0 and not more t | 8/2 8/4 8/6 | 8/8 8/3 | 10 8/12 8 | 3/14 8/16 | 8/18 8/20 | 8/22 | |
| 85 75 7/19 7/21 7/23 250 200 100 100 100 7/19 7/21 7/23 SCDHEC in-stream standard: All 7.0 6.5 6.0 5.5 7/19 7/21 7/23 | 7/25 7/27 7/29 7/31 pH values not less than 6.0 and not more t | 8/2 8/4 8/6 han 8.5 pH 8/2 8/4 8/6 | 8/8 8/3 | 10 8/12 8 | 3/14 8/16 | 8/18 8/20 | 8/22 | |
| 85 7/19 7/21 7/23 250 150 100 100 100 7/19 7/21 7/23 SCDHEC in-stream standard: All 7.0 6.5 6.0 5.5 7/19 7/21 7/23 | 7/25 7/27 7/29 7/31 pH values not less than 6.0 and not more t | 8/2 8/4 8/6 han 8.5 pH 8/2 8/4 8/6 | 8/8 8/2 ctivity | 10 8/12 8 | 3/14 8/16 | 8/18 8/20 | 8/22 | |
| 85 75 7/19 7/21 7/23 250 200 7/19 7/21 7/23 SCDHEC in-stream standard: All 7.0 6.5 6.0 5.5 7/19 7/21 7/23 | 7/25 7/27 7/29 7/31 pH values not less than 6.0 and not more t | 8/2 8/4 8/6 han 8.5 pH Specific Condu | 8/8 8/2 ctivity | 10 8/12 8 | 3/14 8/16 | 8/18 8/20 | 8/22 | |
| 85 7/19 7/21 7/23 E 250 7/19 7/21 7/23 SCDHEC in-stream standard: All 7.0 6.5 7/19 7/21 7/23 | 7/25 7/27 7/29 7/31 pH values not less than 6.0 and not more t | 8/2 8/4 8/6 han 8.5 pH 8/2 8/4 8/6 | 8/8 8/2 ctivity | 10 8/12 8 | 3/14 8/16 | 8/18 8/20 | 8/22 | |
| 85 75 7/19 7/21 7/23 250 200 100 100 7/19 7/21 7/23 SCDHEC in-stream standard: All 7.0 5.5 7/19 7/21 7/23 SCDHEC in-stream standard: SCDHEC in-stream standard: | 7/25 7/27 7/29 7/31 pH values not less than 6.0 and not more t | 8/2 8/4 8/6 Specific Condu | 8/8 8/2 a/8 8/2 a/8 8/2 | 10 8/12 8 | 3/14 8/16 | 8/18 8/20 | 8/22 | |
| 85 75 7/19 7/21 7/23 250 200 7/19 7/21 7/23 SCDHEC in-stream standard: All 7.0 6.5 6.0 5.5 7/19 7/21 7/23 SCDHEC in-stream standard: All 7/23 SCDHEC in-stream standard: All 7/23 | 7/25 7/27 7/29 7/31 pH values not less than 6.0 and not more to the standard form of the sta | 8/2 8/4 8/6 Specific Condu | 8/8 8/2 a/8 8/2 a/8 8/2 | 10 8/12 8 | 3/14 8/16 | 8/18 8/20 8/18 8/20 | 8/22 | |
| 85 75 7/19 7/21 7/23 250 200 100 100 7/19 7/21 7/23 SCDHEC in-stream standard: All 7.0 5.5 7/19 7/21 7/23 SCDHEC in-stream standard: SCDHEC in-stream standard: | 7/25 7/27 7/29 7/31 pH values not less than 6.0 and not more to the standard form of the sta | 8/2 8/4 8/6 Specific Condu | 8/8 8/2 a/8 8/2 a/8 8/2 | 10 8/12 8 | 3/14 8/16 | 8/18 8/20 8/18 8/20 | 8/22 | |

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

Continuous Water Quality Monitoring Periodic Report

Gills Creek B (July 19, 2023 - August 22, 2023)

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: No grab samples were collected during this monitoring period.

| Analyte (units) | | | | | | | | |
|------------------|------|---------|------|---------|------|---------|------|---------|
| | Time | Results | Time | Results | Time | Results | Time | Results |
| Escherichia coli | | | | | | | | |
| (MPN/100mL) | | | | | | | | |
| Total Suspended | | | | | | | | |
| Solids (mg/L) | | | | | | | | |
| Total Phosphorus | | | | | | | | |
| (mg/L) | | | | | | | | |
| Total Nitrogen | | | | | | | | |
| (mg/L) | | | | | | | | |

Notes:

Data Gaps

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

Potential Illicit Discharges and Abnormal Events:

There were no abnormal events at GILB during this monitoring period.

Continuous Water Quality Monitoring Periodic Report

Gills Creek C (July 19, 2023 - August 22, 2023)

| | | CONTINUOUS | SUMMARY STATISTICS | | | | | |
|---|---|------------------------------|---------------------|---------------------|--------------------|------------------|----------------------------------|--|
| PARAMETER | DESCRIPTION | WATER QUALITY PARAMETERS: | MINIMUM OBSERVED | MAXIMUM OBSERVED | MEDIAN OBSERVED | MEAN OBSERVED | STANDAR DEVIATIO | |
| STREAM NAME: | Gills Creek | STAGE (FT): | 2.6 | 4.8 | 3.0 | 3.1 | 0.4 | |
| LOCATION: | Bluff Road bridge | | | .= | | | | |
| ADDRESS: | 3009 Bluff Rd. Columbia, SC 29209 | TEMPERATURE (°F): | 79 | 87 | 83 | 83 | 2 | |
| COORDINATES: | 33.948043, -80.9889 | TURRIDITY (NTU) | 0 | 05 | | 40 | 7 | |
| MDL/IMPAIRMENT: | Fecal & Dissolved Oxygen | TURBIDITY (NTU): | 6 | 95 | 8 | 10 | 7 | |
| NEIGHBORING LANDUSE: | Residential and commercial | | | | | | | |
| APPROX. DRAINAGE | 64 square miles | pH: | 5.8 | 6.3 | 6.2 | 6.2 | 0.1 | |
| SPATIAL LOCATION: | Most downstream site | SPECIFIC | | | | | | |
| OTAL NO. STORMS OVER 0.1 INCH: | 8 | CONDUCTIVITY (mS/cm): | 0.037 | 0.068 | 0.053 | 0.053 | 0.004 | |
| MAX. DAILY RAINFALL: | 0.99 inches | DISSOLVED | | | | | | |
| OTAL RAINFALL (FOR PERIOD): | 3.5 inches | OXYGEN (mg/L): | 4.5 | 5.9 | 5.3 | 5.3 | 0.2 | |
| | - | Stage & Rain | fall | | | | | |
| 12 8 | | ll A | | Т | | | 0.0 | |
| 8 4 | | | | | | | - 0.0 - 0.5 - 1.0 - 1.5 | |
| 7/19 7/21 7/23 | 7/25 7/27 7/29 7/3 | 1 8/2 8/4 8/6 | 8/8 8/3 | | /14 8/16 | 8/18 8/20 | 8/22 | |
| | | | | | | | | |
| 95 1 | | Water Tem | ıp | | | | | |
| 85 | ~~~~ | ~~~ | ~~~ | ~~ | ~~~~ | ~~~ | → | |
| 75 | | | | | | | | |
| 7/19 7/21 7/23 | 7/25 7/27 7/29 7/3 | 81 8/2 8/4 8/6 | 5 8/8 8/ | /10 8/12 | 8/14 8/16 | 8/18 8/20 | 8/22 | |
| | | Turbidity | | | | | | |
| 150 | | | | | | | | |
| 100 50 | | | | | | | | |
| 0 | 3 7/25 7/27 7/29 7 | 7/31 8/2 8/4 8/ | /6 8/8 8 | 3/10 8/12 | 8/14 8/16 | 8/18 8/20 | 8/22 | |
| | | | | | | | | |
| | | more than 8.5 pH | | | | | | |
| 7.0 | rd: All pH values not less than 6.0 and not | | | | | | | |
| 7.0 | rd: All pH values not less than 6.0 and not | | | | | | | |
| 6.5 | rd: All pH values not less than 6.0 and not | | ~~~ | | | | | |
| 7.0 | 7/25 7/27 7/29 7/ | 31 8/2 8/4 8/4 | 6 8/8 8 | /10 8/12 | 8/14 8/16 | 8/18 8/20 | 8/22 | |
| 7.0 6.5 6.0 5.5 | | | | /10 8/12 | 8/14 8/16 | 8/18 8/20 | 8/22 | |
| 7.0 6.5 6.0 5.5 7/19 7/21 7/23 | | 31 8/2 8/4 8/4 Specific Conc | | /10 8/12 | 8/14 8/16 | 8/18 8/20 | 8/22 | |
| 7.0 6.5 6.0 5.5 7/19 7/21 7/23 | | | | /10 8/12 | 8/14 8/16 | 8/18 8/20 | 8/22 | |
| 7.0 6.5 6.0 5.5 7/19 7/21 7/23 | | | | /10 8/12 | 8/14 8/16 | 8/18 8/20 | 8/22 | |
| 7.0 6.5 6.0 5.5 7/19 7/21 7/23 | 7/25 7/27 7/29 7/ | Specific Cond | ductivity | /10 8/12 | 8/14 8/16 | 8/18 8/20 | 8/22 | |
| 7.0 6.5 6.0 5.5 7/19 7/21 7/23 0.08 0.06 0.02 0.00 7/19 7/21 7/23 SCDHEC in-stream standa | 7/25 7/27 7/29 7/ | Specific Conc | ductivity | | | | 8/22 | |
| 0.08 0.08 0.00 0.00 0.00 7/19 7/21 7/23 SCDHEC in-stream standa | 7/25 7/27 7/29 7/ | Specific Conc | /6 8/8 8 | | | 8/18 8/20 | 8/22 | |
| 0.08 0.06 0.06 0.02 0.00 7/19 7/21 7/23 SCDHEC in-stream standa | 7/25 7/27 7/29 7/ | Specific Conc | /6 8/8 8 | | | 8/18 8/20 | 8/22 | |

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

Continuous Water Quality Monitoring Periodic Report

Gills Creek C (July 19, 2023 - August 22, 2023)

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: No grab samples were collected during this monitoring period.

| Analyte (units) | | | | | | | | |
|------------------|------|---------|------|---------|------|---------|------|---------|
| | Time | Results | Time | Results | Time | Results | Time | Results |
| Escherichia coli | | | | | | | | |
| (MPN/100mL) | | | | | | | | |
| Total Suspended | | | | | | | | |
| Solids (mg/L) | | | | | | | | |
| Total Phosphorus | | | | | | | | |
| (mg/L) | | | | | | | | |
| Total Nitrogen | | | | | | | | |
| (mg/L) | | | | | | | | |

Notes:

Data Gaps

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

Potential Illicit Discharges and Abnormal Events:

Specific conductivity increased on 7/29, which may have been the result of a potential illicit discharge.