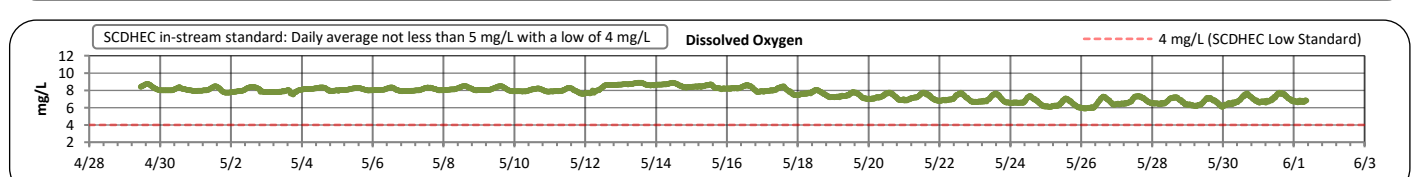
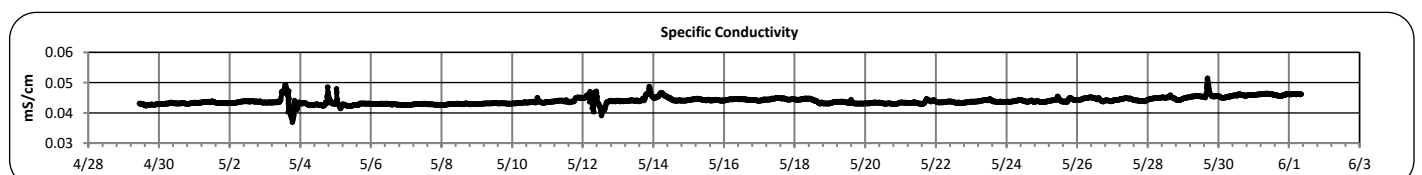
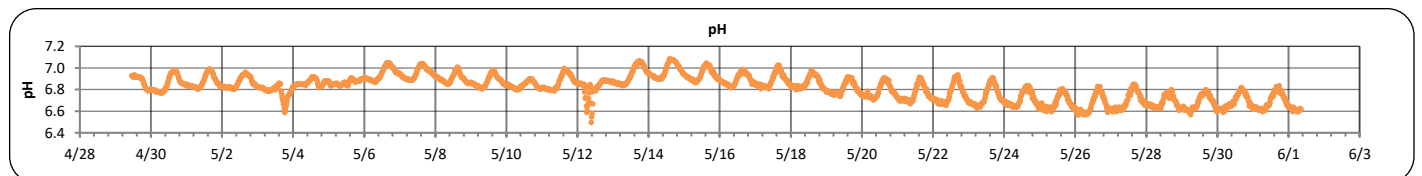
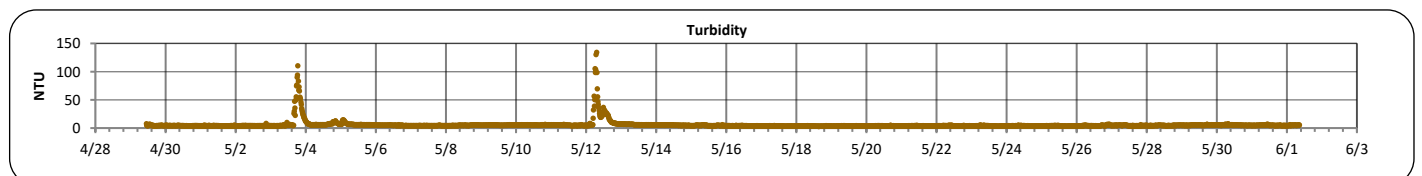
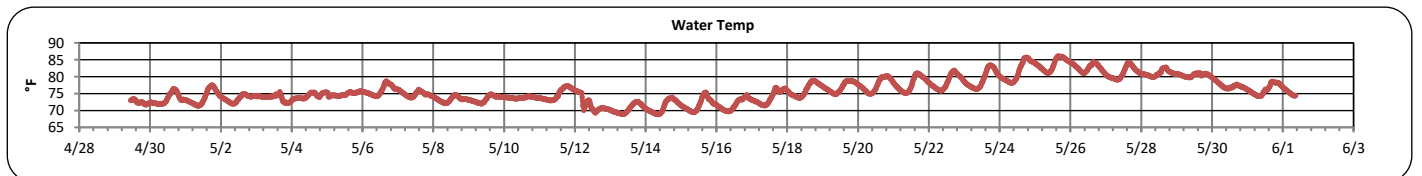
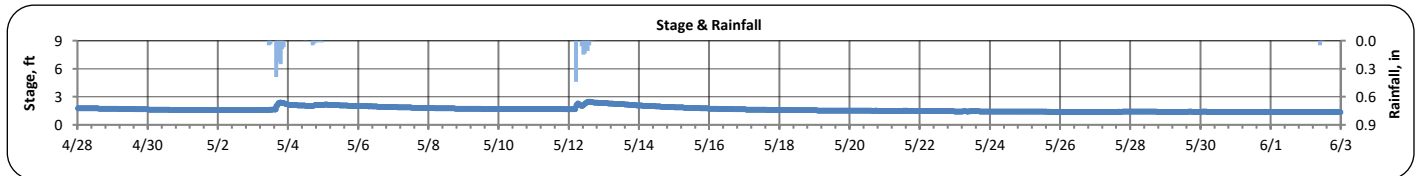


Continuous Water Quality Monitoring Periodic Report

Gills Creek A (April 28, 2021 - June 2, 2021)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Gills Creek	STAGE (FT):	1.4	2.5	1.6	1.7	0.3
LOCATION:	Forest Drive Bridge	TEMPERATURE (°F):	69	86	75	76	4
ADDRESS:	4840 Forest Drive, Columbia, SC 29206	TURBIDITY (NTU):	3	134	5	6	8
COORDINATES:	34.019826, -80.963566	pH:	6.5	7.1	6.8	6.8	0.1
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	SPECIFIC CONDUCTIVITY (mS/cm):	0.037	0.052	0.044	0.044	0.001
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	5.9	8.9	7.9	7.7	0.7
APPROX. DRAINAGE AREA:	48 square miles						
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	4						
MAX. DAILY RAINFALL:	1.3 inches						
TOTAL RAINFALL (FOR PERIOD):	2.5 inches						



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

REPORT GENERATED ON 06/21/2021

**Continuous Water Quality
Monitoring Periodic Report**

Gills Creek A (April 28, 2021 - June 2, 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:

Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4	
	5/12/2021		5/12/2021		5/12/2021			
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	11:20	1,918	12:52	1,570	13:54	1,262		
Total Suspended Solids (mg/L)	11:20	42.8	12:52	30	13:54	34		
Total Phosphorus (mg/L)	11:20	0.079	12:52	0.063	13:54	0.062		
Total Nitrogen (mg/L)	11:20	0.9	12:52	0.69	13:54	1.11		

All samples were collected during wet weather conditions.

Notes:

Data Gaps

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

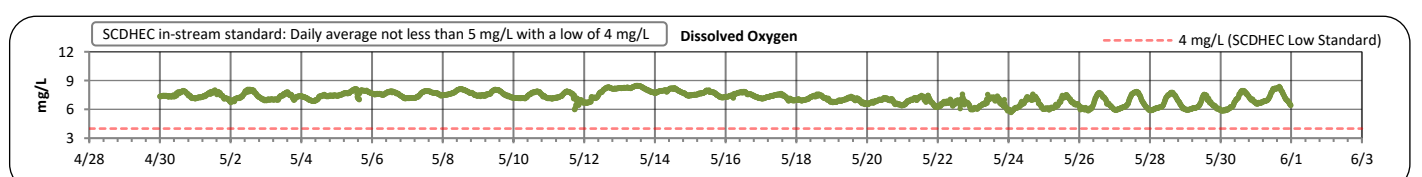
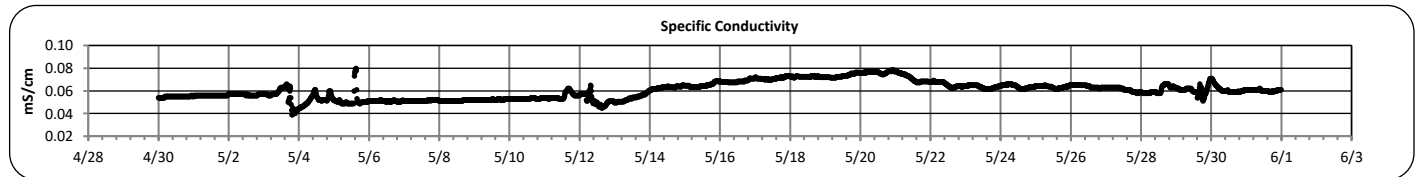
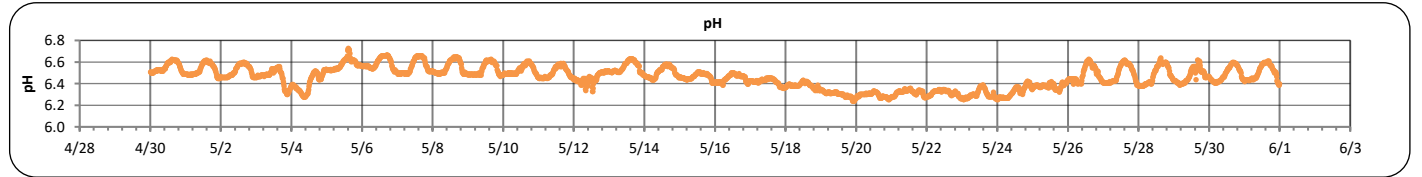
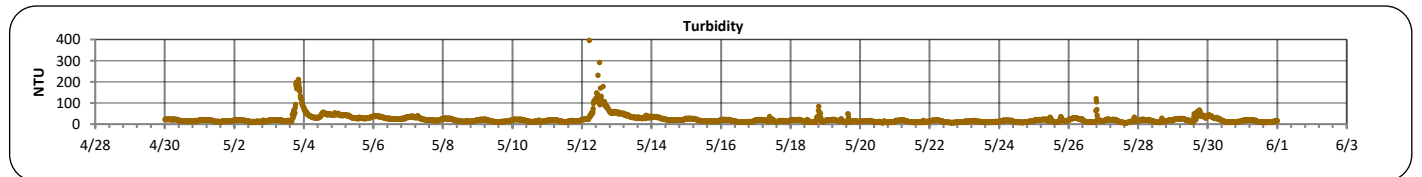
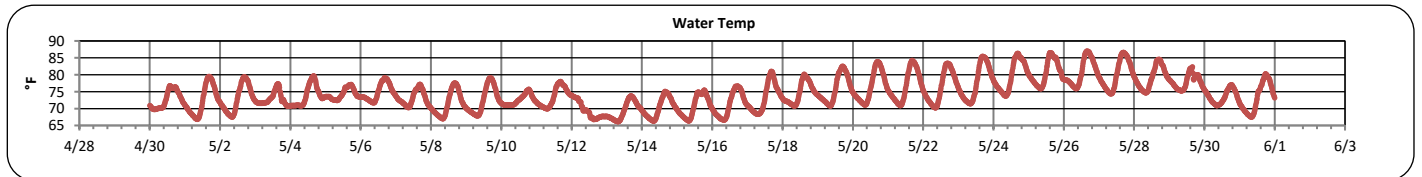
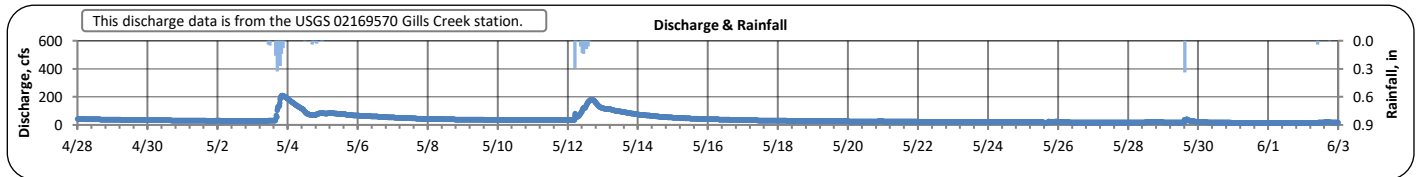
Potential Illicit Discharges and Abnormal Events:

The specific conductivity increased on May 4th, May 13th-14th, and May 29th. These events may have been the result of illicit discharges.

Continuous Water Quality Monitoring Periodic Report

Gills Creek B (April 28, 2021 - June 2, 2021)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Gills Creek	DISCHARGE (CFS):	14.6	210.0	31.0	39.6	30.0
LOCATION:	Devine Street bridge	TEMPERATURE (°F):	66	87	74	75	5
ADDRESS:	4716 Devine Street Columbia, SC 29209	TURBIDITY (NTU):	7	396	18	23	21
COORDINATES:	33.989656, -80.97433	pH:	6.2	6.7	6.5	6.5	0.1
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	SPECIFIC CONDUCTIVITY (mS/cm):	0.039	0.080	0.061	0.060	0.008
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	5.7	8.5	7.3	7.2	0.6
APPROX. DRAINAGE AREA:	59 square miles						
SPATIAL LOCATION:	Middle site						
TOTAL NO. STORMS OVER 0.1 INCH:	4						
MAX. DAILY RAINFALL:	1.2 inches						
TOTAL RAINFALL (FOR PERIOD):	2.6 inches						



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 (April 28, 2021 - June 2, 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:

Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4	
	5/12/2021		5/12/2021		5/12/2021		5/12/2021	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	12:35	6,152	13:32	4,564	14:50	4,494	12:18	218
Total Suspended Solids (mg/L)	12:35	159	13:32	144	14:50	147	12:18	16.7
Total Phosphorus (mg/L)	12:35	0.14	13:32	0.13	14:50	0.11		
Total Nitrogen (mg/L)	12:35	1.39	13:32	1.17	14:50	0.8		

Samples 1-3 were collected during wet weather conditions. Sample 4 was collected during dry weather conditions.

Notes:

Data Gaps

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

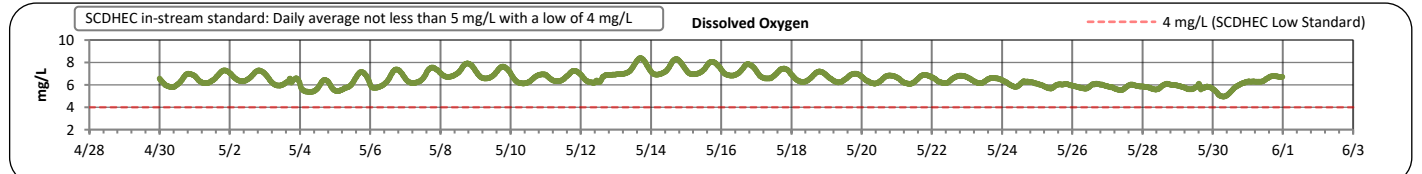
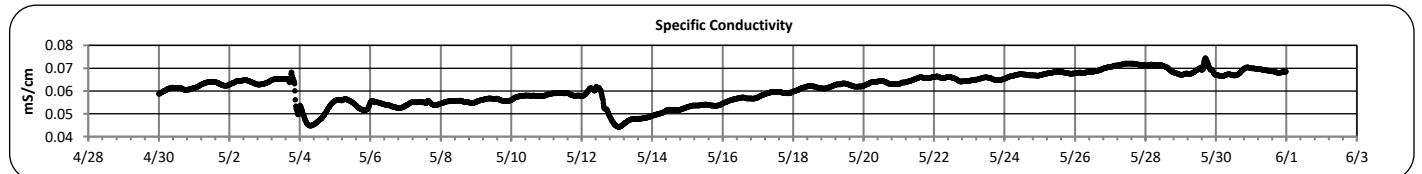
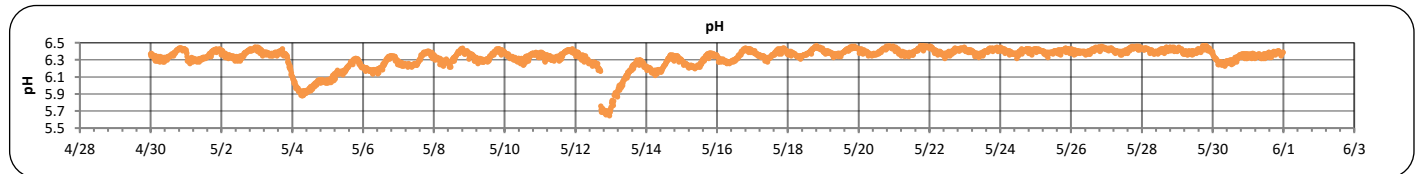
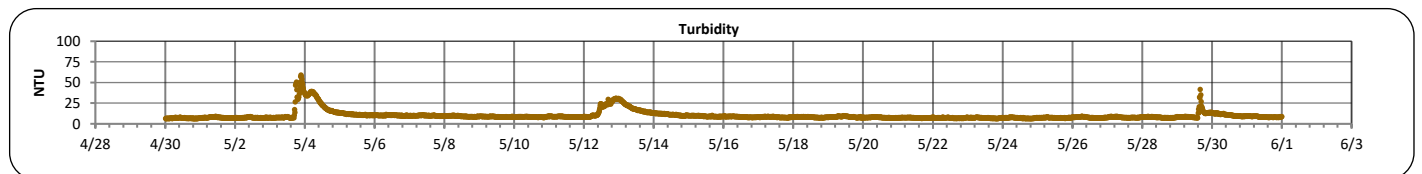
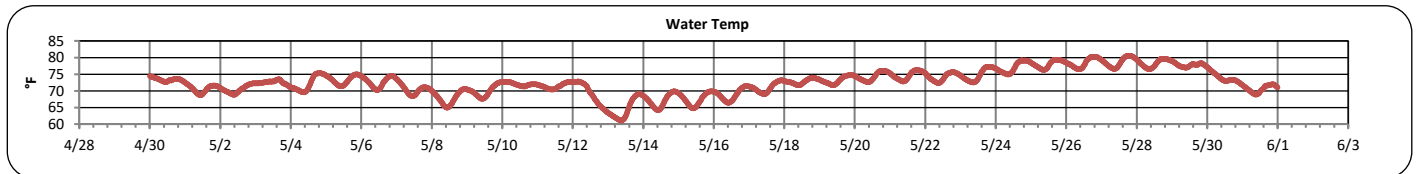
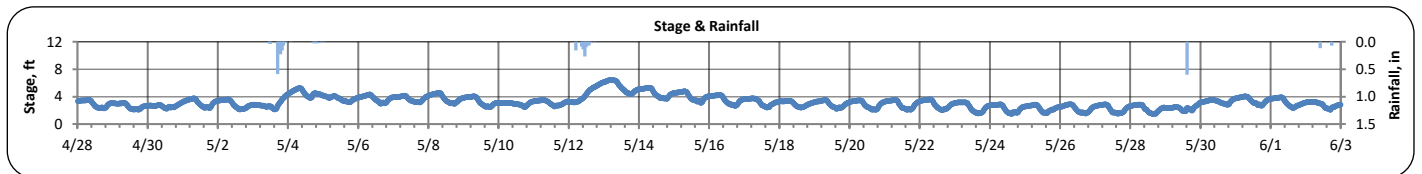
Potential Illicit Discharges and Abnormal Events:

The specific conductivity and pH increased while the DO decreased on May 5th. This may have been the result of an illicit discharge.

Continuous Water Quality Monitoring Periodic Report

Gills Creek C (April 28, 2021 - June 2, 2021)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Gills Creek	STAGE (FT):	1.5	6.4	3.1	3.2	0.9
LOCATION:	Bluff Road bridge	TEMPERATURE (°F):	61	81	73	73	4
ADDRESS:	3009 Bluff Rd. Columbia, SC 29209	TURBIDITY (NTU):	6	59	8	10	6
COORDINATES:	33.948043, -80.9889	pH:	5.7	6.5	6.4	6.3	0.1
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	SPECIFIC CONDUCTIVITY (mS/cm):	0.0443	0.0745	0.06185	0.061	0.007
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	5.0	8.4	6.5	6.5	0.6
APPROX. DRAINAGE AREA:	64 square miles						
SPATIAL LOCATION:	Most downstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	5						
MAX. DAILY RAINFALL:	1.16 inches						
TOTAL RAINFALL (FOR PERIOD):	3.0 inches						



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

REPORT GENERATED ON 06/21/2021

**Continuous Water Quality
Monitoring Periodic Report**

Gills Creek C (April 28, 2021 - June 2, 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:

Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4	
	5/12/2021		5/12/2021		5/12/2021		5/12/2021	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	12:04	2,212	13:34	1,672	14:54	3,030	11:52	20
Total Suspended Solids (mg/L)	12:04	17.6	13:34	19.6	14:54	22.2	11:52	4.2
Total Phosphorus (mg/L)	12:04	0.075	13:34	0.075	14:54	0.12		
Total Nitrogen (mg/L)	12:04	1.26	13:34	0.91	14:54	1.14		

Samples 1-3 were collected during wet weather conditions. Sample 4 was collected during dry weather conditions.

Notes:

Data Gaps

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

Potential Illicit Discharges and Abnormal Events:

There were no abnormal events at the GILC station during this monitoring period.