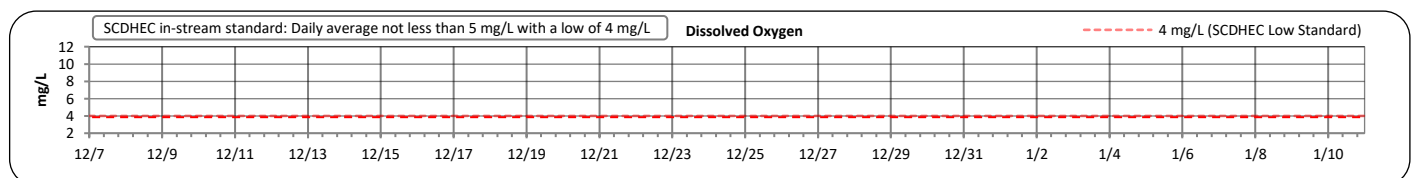
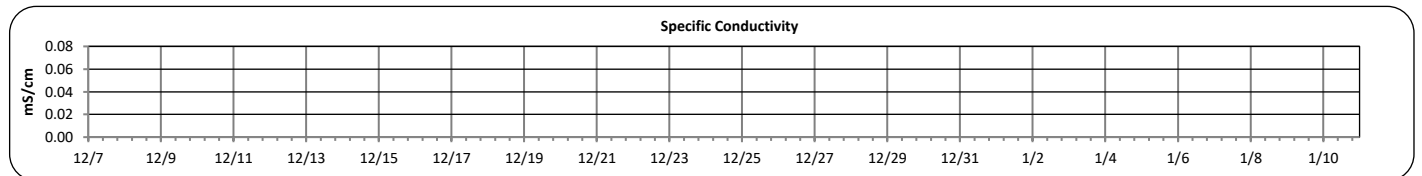
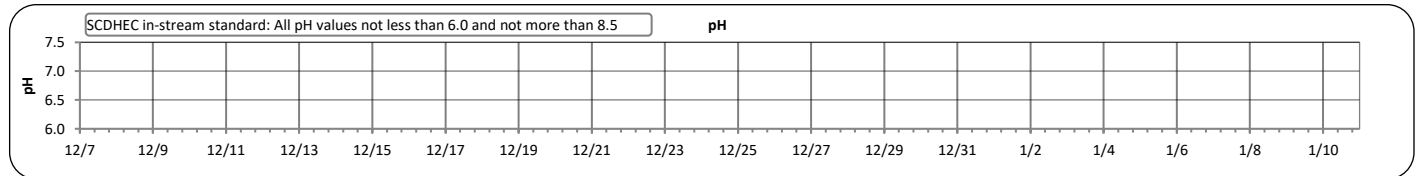
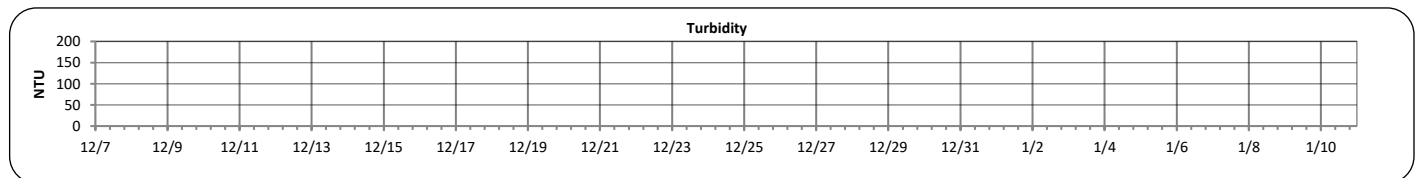
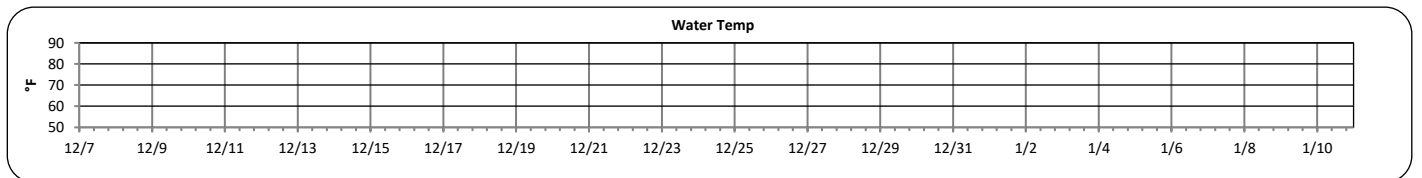
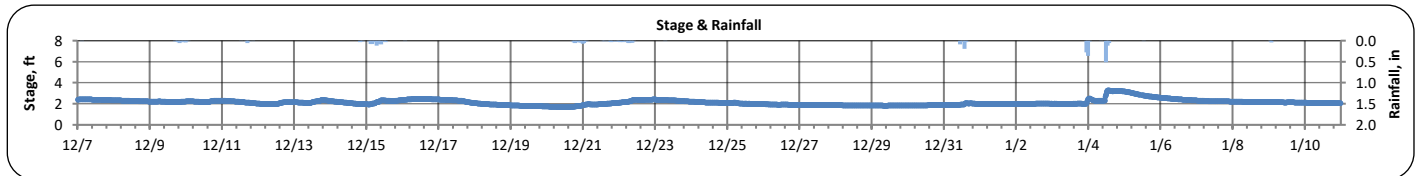


Continuous Water Quality Monitoring Periodic Report

Gills Creek A (December 7, 2022 - January 10, 2023)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Gills Creek	STAGE (FT):	1.7	3.3	2.1	2.1	0.3
LOCATION:	Forest Drive Bridge	TEMPERATURE (°F):					
ADDRESS:	4840 Forest Drive, Columbia, SC 29206	TURBIDITY (NTU):					
COORDINATES:	34.019826, -80.963566	pH:					
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	SPECIFIC CONDUCTIVITY (mS/cm):					
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):					
APPROX. DRAINAGE AREA:	48 square miles						
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	8						
MAX. DAILY RAINFALL:	0.7 inches						
TOTAL RAINFALL (FOR PERIOD):	3.7 inches						



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

REPORT GENERATED ON 1/31/2022

**Continuous Water Quality
Monitoring Periodic Report**

Gills Creek A (December 7, 2022 - January 10, 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:

Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4	
	1/4/2023		1/4/2023		1/4/2023		1/4/2023	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	9:50	240	11:45	6,510	12:40	9,768	13:45	3,452
Total Suspended Solids (mg/L)	9:50	51.6	11:45	118.0	12:40	432	13:45	180
Total Phosphorus (mg/L)	9:50	0.058	11:45	0.140	12:40	0.460	13:45	0.240
Total Nitrogen (mg/L)	9:50	0.71	11:45	1.41	12:40	2.40	13:45	1.46

All samples collected were during wet weather conditions.

Notes:

Data Gaps

Temperature, turbidity, pH, specific conductivity, and DO had a data gap during the entire monitoring period due to sensors being unsubmerged.

Potential Illicit Discharges and Abnormal Events:

No abnormal events could be identified during this monitoring period.

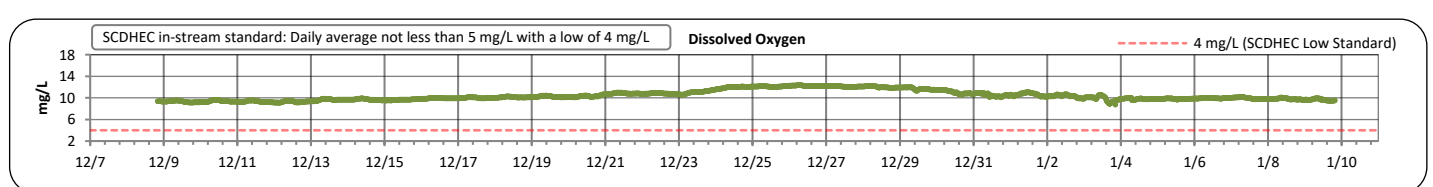
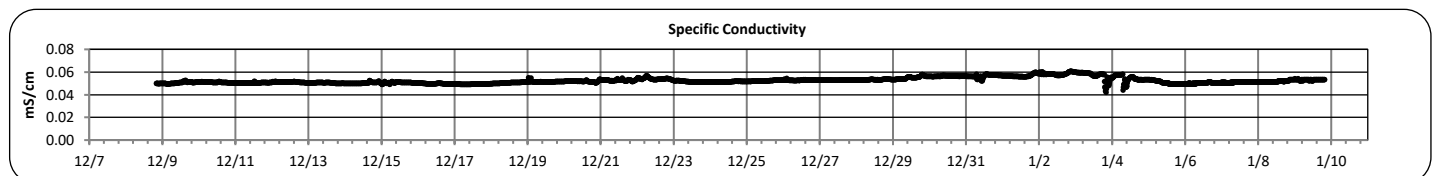
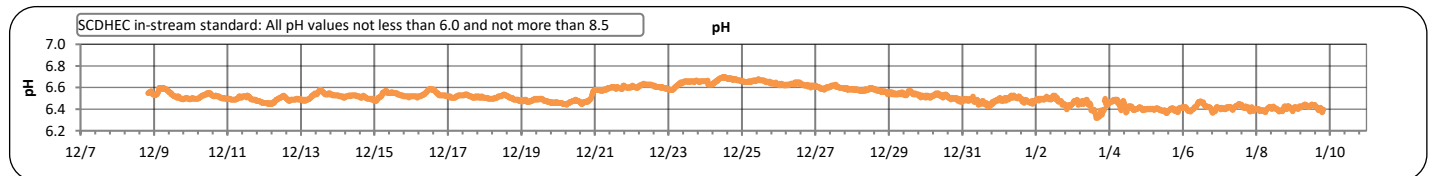
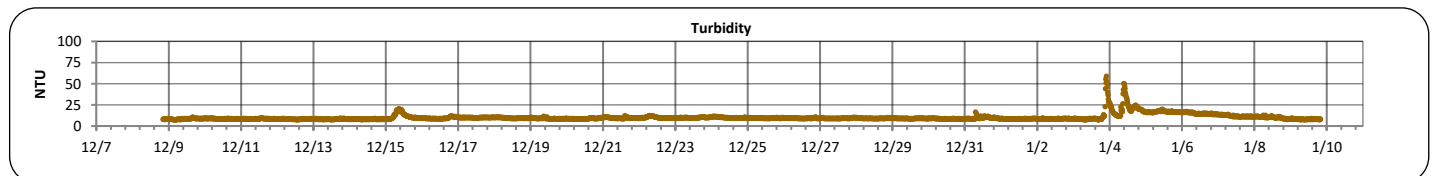
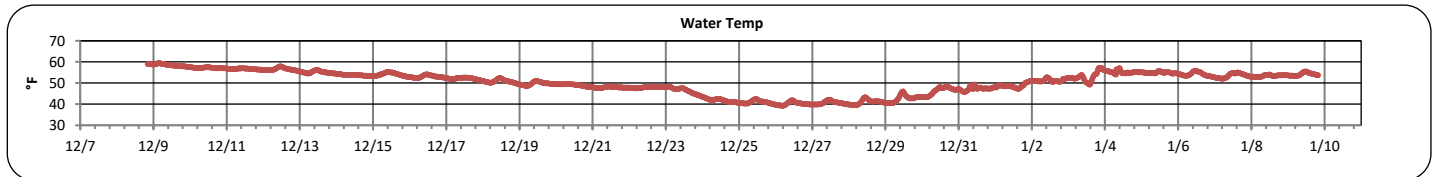
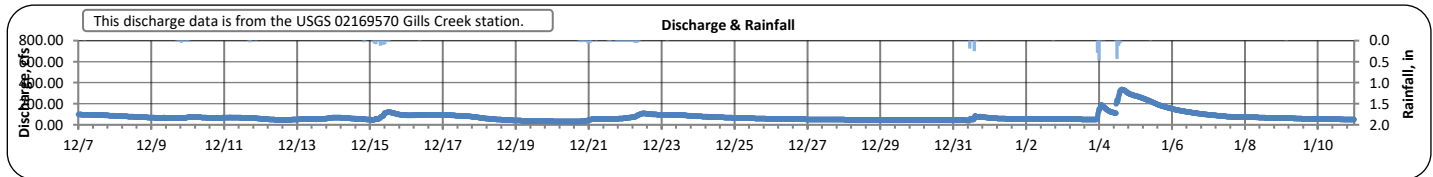
Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

REPORT GENERATED ON 1/31/2022

Continuous Water Quality Monitoring Periodic Report

Gills Creek B (December 7, 2022 - January 10, 2023)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Gills Creek	DISCHARGE (CFS):	32.1	338.0	62.8	74.9	43.4
LOCATION:	Devine Street bridge	TEMPERATURE (°F):	39	60	52	50	5
ADDRESS:	4716 Devine Street Columbia, SC 29209	TURBIDITY (NTU):	7	59	9	10	4
COORDINATES:	33.989656, -80.97433	pH:	6.3	6.7	6.5	6.5	0.1
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	SPECIFIC CONDUCTIVITY (mS/cm):	0.042	0.061	0.052	0.053	0.003
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	8.8	12.4	10.1	10.5	0.9
APPROX. DRAINAGE AREA:	59 square miles						
SPATIAL LOCATION:	Middle site						
TOTAL NO. STORMS OVER 0.1 INCH:	7						
MAX. DAILY RAINFALL:	0.8 inches						
TOTAL RAINFALL (FOR PERIOD):	3.7 inches						



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

REPORT GENERATED ON 1/31/2022

**Continuous Water Quality
Monitoring Periodic Report**

Gills Creek B (December 7, 2022 - January 10, 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:

Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4	
	1/4/2023		1/4/2023		1/4/2023		1/4/2023	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	9:30	492	11:30	2,548	12:10	1,970	12:25	1,868
Total Suspended Solids (mg/L)	9:30	6.9	11:30	56.0	12:10	22.2	12:25	43.5
Total Phosphorus (mg/L)	9:30	0.033	11:30	0.150	12:10	0.068	12:25	0.140
Total Nitrogen (mg/L)	9:30	0.73	11:30	1.20	12:10	1.82	12:25	0.99

Analyte (units)	Sample 5							
	1/4/2023							
	Time	Results						
<i>Escherichia coli</i> (MPN/100mL)	13:25	2,224						
Total Suspended Solids (mg/L)	13:25	71.5						
Total Phosphorus (mg/L)	13:25	0.088						
Total Nitrogen (mg/L)	13:25	0.95						

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:

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

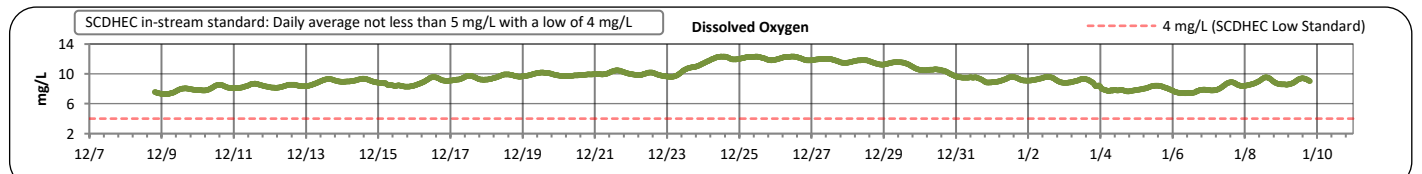
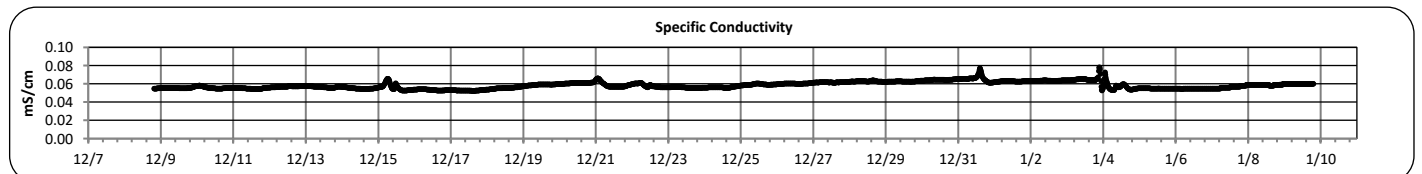
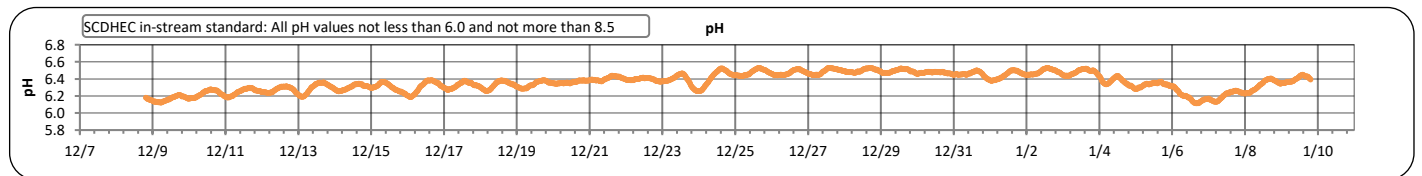
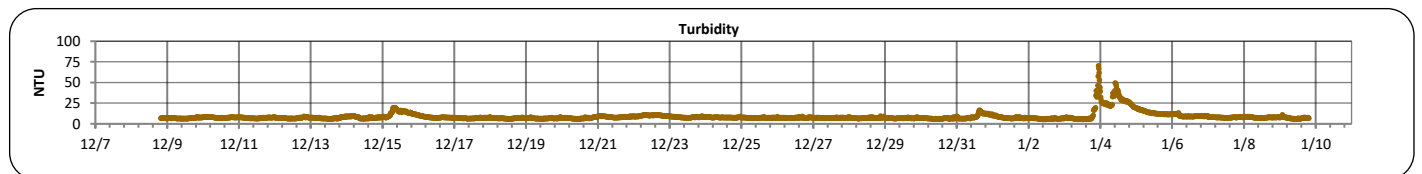
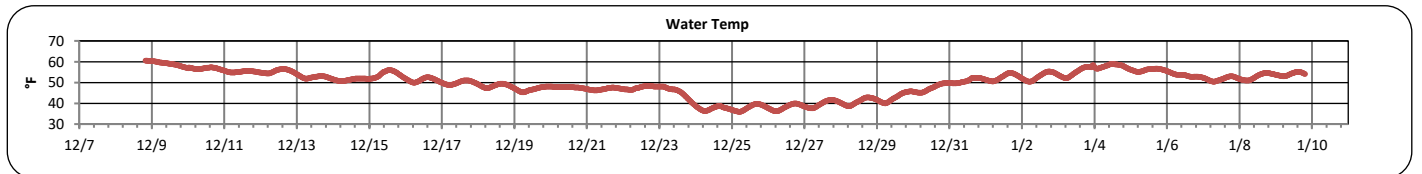
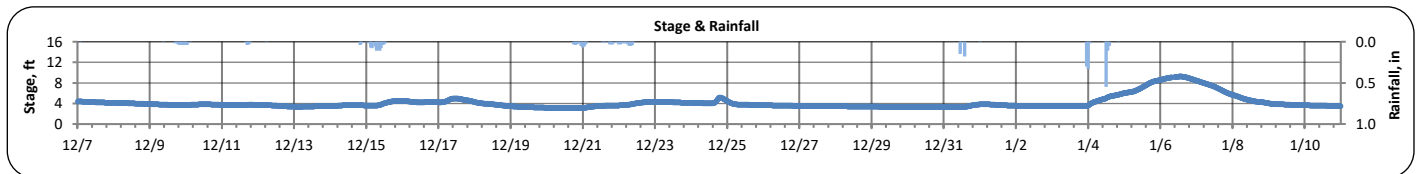
Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

REPORT GENERATED ON 1/31/2022

Continuous Water Quality Monitoring Periodic Report

Gills Creek C (December 7, 2022 - January 10, 2023)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Gills Creek	STAGE (FT):	3.1	9.3	3.8	4.2	1.2
LOCATION:	Bluff Road bridge	TEMPERATURE (°F):	36	61	51	50	6
ADDRESS:	3009 Bluff Rd. Columbia, SC 29209	TURBIDITY (NTU):	5	70	8	9	5
COORDINATES:	33.948043, -80.9889	pH:	6.1	6.5	6.4	6.4	0.1
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	SPECIFIC CONDUCTIVITY (mS/cm):	0.053	0.079	0.058	0.059	0.004
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	7.3	12.4	9.3	9.6	1.3
APPROX. DRAINAGE AREA:	64 square miles						
SPATIAL LOCATION:	Most downstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	7						
MAX. DAILY RAINFALL:	0.75 inches						
TOTAL RAINFALL (FOR PERIOD):	3.7 inches						



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

REPORT GENERATED ON 1/31/2022

**Continuous Water Quality
Monitoring Periodic Report**

Gills Creek C (December 7, 2022 - January 10, 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:

Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4	
	1/4/2023		1/4/2023		1/4/2023		1/4/2023	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	11:25	1,508	12:30	1,974	13:30	2,038	14:15	3,328
Total Suspended Solids (mg/L)	11:25	21.2	12:30	34.0	13:30	23.8	14:15	50.0
Total Phosphorus (mg/L)	11:25	0.061	12:30	0.073	13:30	0.079	14:15	0.092
Total Nitrogen (mg/L)	11:25	0.79	12:30	0.95	13:30	1.29	14:15	1.89

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:

Specific conductivity increased on 12/31, which may have been the result of a potential illicit discharge.