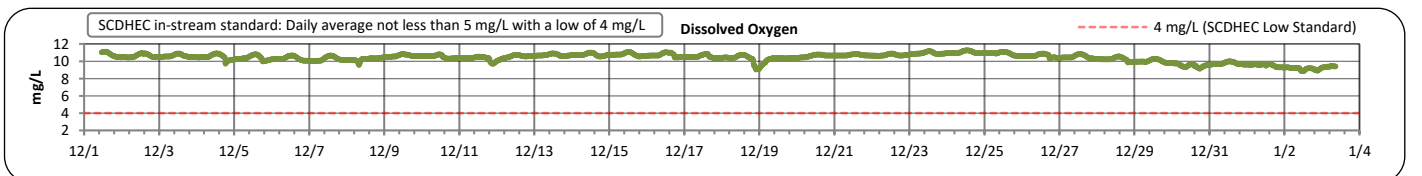
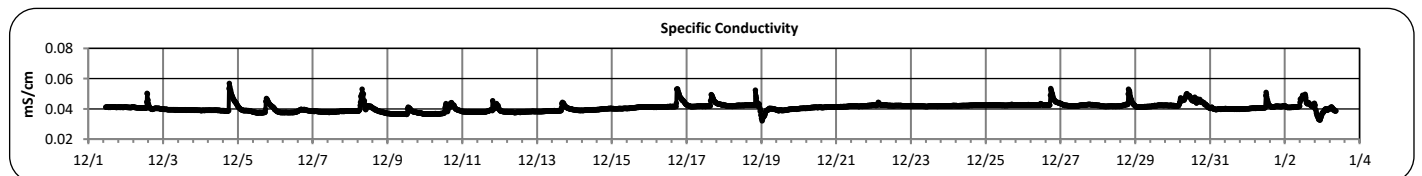
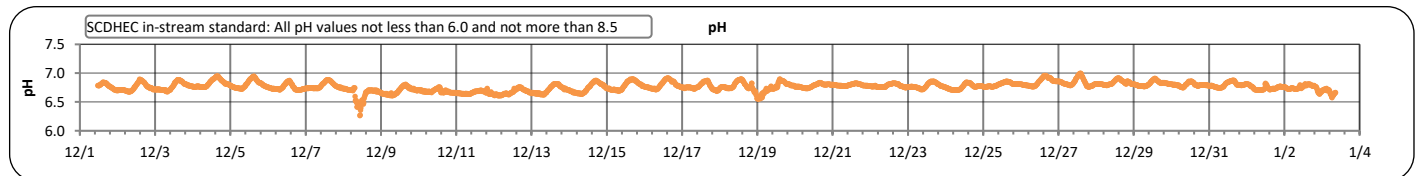
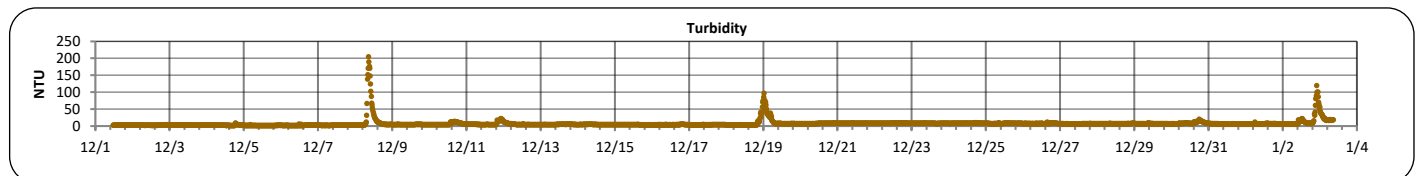
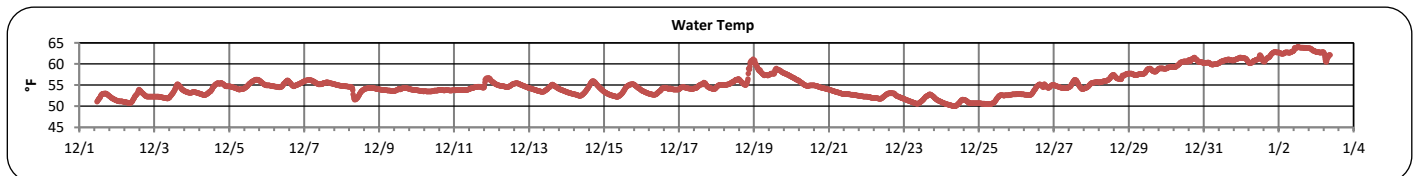
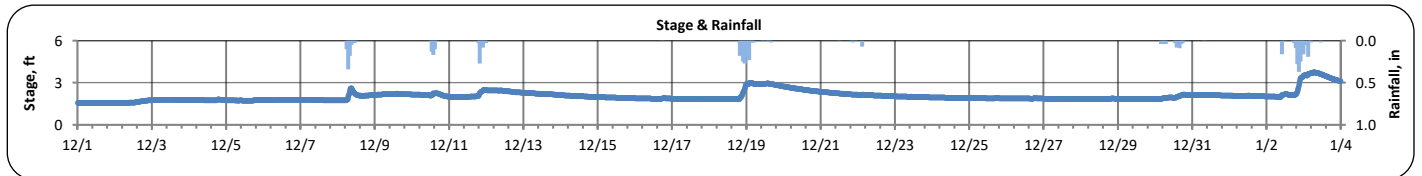


Continuous Water Quality Monitoring Periodic Report

Gills Creek A (December 1, 2021 - January 4, 2022)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Gills Creek	STAGE (FT):	1.6	3.8	2.0	2.1	0.4
LOCATION:	Forest Drive Bridge	TEMPERATURE (°F):	50	64	54	55	3
ADDRESS:	4840 Forest Drive, Columbia, SC 29206	TURBIDITY (NTU):	2	205	6	8	12
COORDINATES:	34.019826, -80.963566	pH:	6.3	7.0	6.8	6.8	0.1
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	SPECIFIC CONDUCTIVITY (mS/cm):	0.032	0.057	0.041	0.041	0.003
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	8.9	11.3	10.5	10.4	0.5
APPROX. DRAINAGE AREA:	48 square miles						
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	8						
MAX. DAILY RAINFALL:	1.5 inches						
TOTAL RAINFALL (FOR PERIOD):	5.5 inches						



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

REPORT GENERATED ON 3/22/2022

**Continuous Water Quality
Monitoring Periodic Report**

Gills Creek A (December 1, 2021 - January 4, 2022)

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	
	12/8/2021		12/8/2021		12/8/2021			
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	8:55	14,540	10:24	4,564	11:23	2,910		
Total Suspended Solids (mg/L)	8:55	200.0	10:24	74.0	11:23	39.6		
Total Phosphorus (mg/L)	8:55	0.39	10:24	0.18	11:23	0.11		
Total Nitrogen (mg/L)	8:55	2.61	10:24	1.18	11:23	1.08		

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 December 2nd, 4th, 5th, 8th, 10th, 11th, 13th, 16th, 17th, 18th, 26th, 28th, 30th and January 1st and 2nd, which may have been the result of illicit discharges.

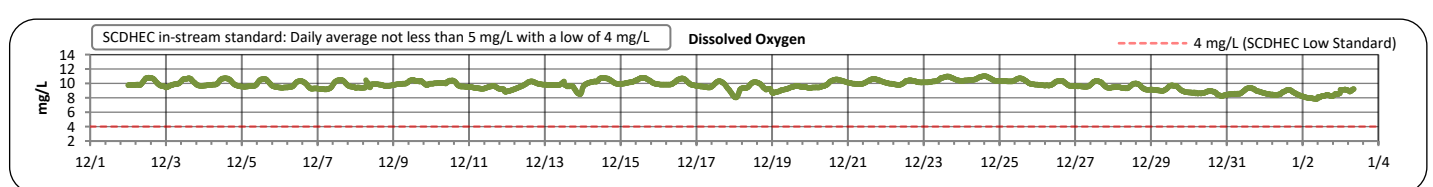
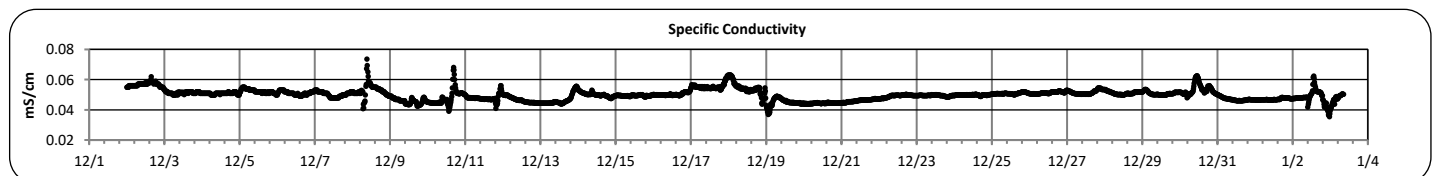
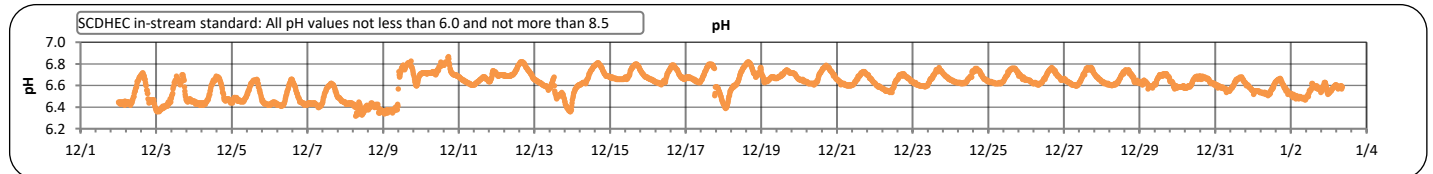
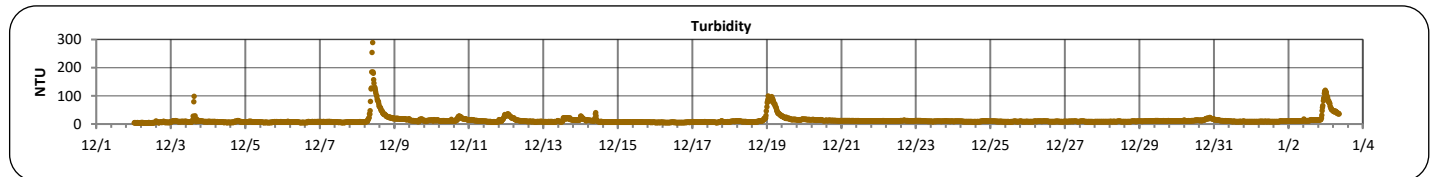
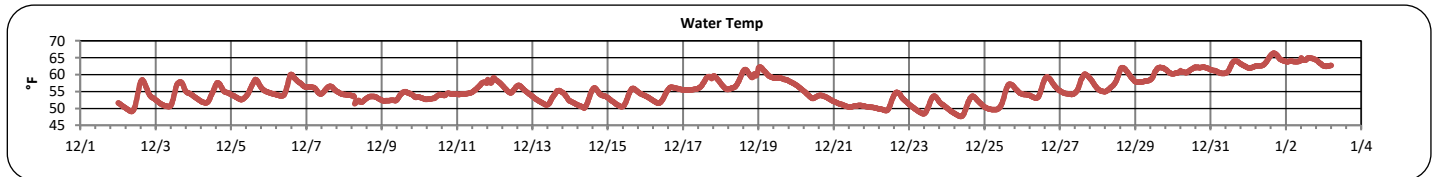
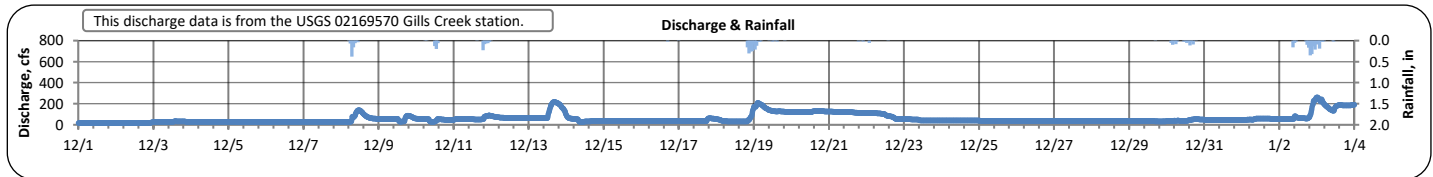
Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

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Continuous Water Quality Monitoring Periodic Report

Gills Creek B (December 1, 2021 - January 4, 2022)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Gills Creek	DISCHARGE (CFS):	18.6	261.0	41.2	62.7	48.1
LOCATION:	Devine Street bridge	TEMPERATURE (°F):	48	66	55	56	4
ADDRESS:	4716 Devine Street Columbia, SC 29209	TURBIDITY (NTU):	4	289	10	13	16
COORDINATES:	33.989656, -80.97433	pH:	6.3	6.9	6.6	6.6	0.1
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	SPECIFIC CONDUCTIVITY (mS/cm):	0.036	0.074	0.050	0.050	0.004
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	7.9	11.1	9.8	9.8	0.7
APPROX. DRAINAGE AREA:	59 square miles						
SPATIAL LOCATION:	Middle site						
TOTAL NO. STORMS OVER 0.1 INCH:	8						
MAX. DAILY RAINFALL:	1.6 inches						
TOTAL RAINFALL (FOR PERIOD):	5.9 inches						



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

REPORT GENERATED ON 3/22/2022

**Continuous Water Quality
Monitoring Periodic Report**

Gills Creek B (December 1, 2021 - January 4, 2022)

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	
	12/8/2021		12/8/2021		12/8/2021		12/20/2021	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	10:08	25,990	11:03	2,628	11:56	11,590	14:43	573
Total Suspended Solids (mg/L)	10:08	237.0	11:03	164.0	11:56	113.0	14:40	13.7
Total Phosphorus (mg/L)	10:08	0.36	11:03	0.29	11:56	0.23		
Total Nitrogen (mg/L)	10:08	2.33	11:03	1.84	11:56	1.73		

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 increased on December 2nd, 8th, 10th, 11th, 14th, 18th, 30th and January 2nd, which may have been the result of illicit discharges.

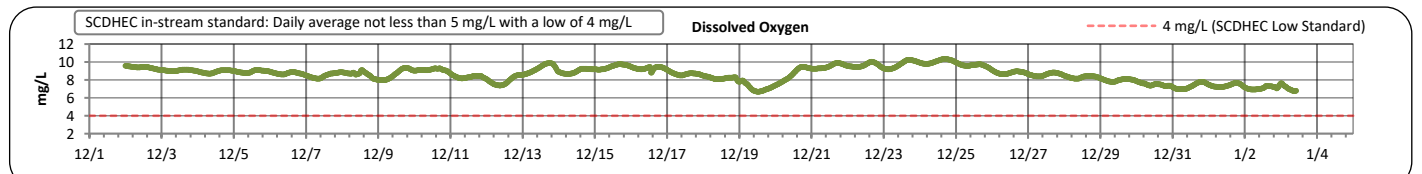
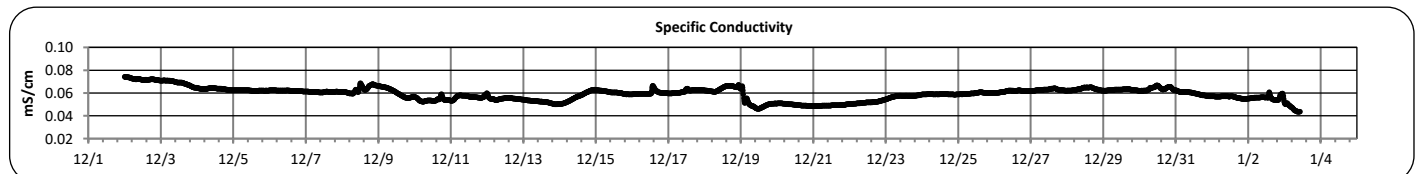
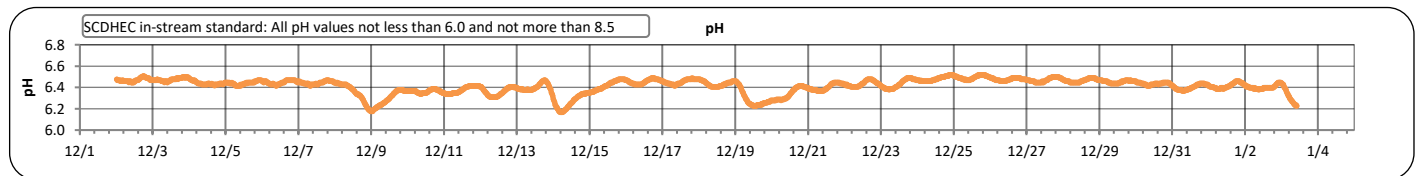
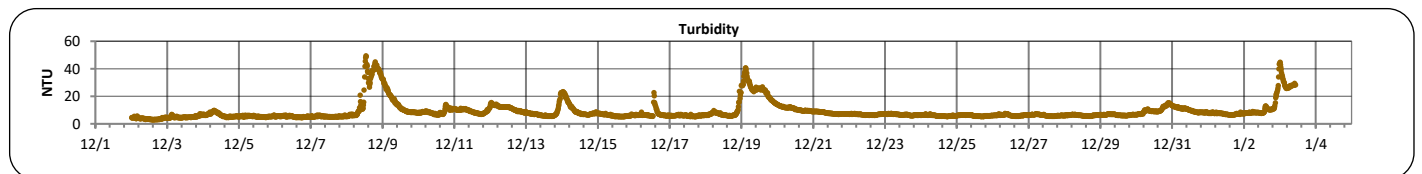
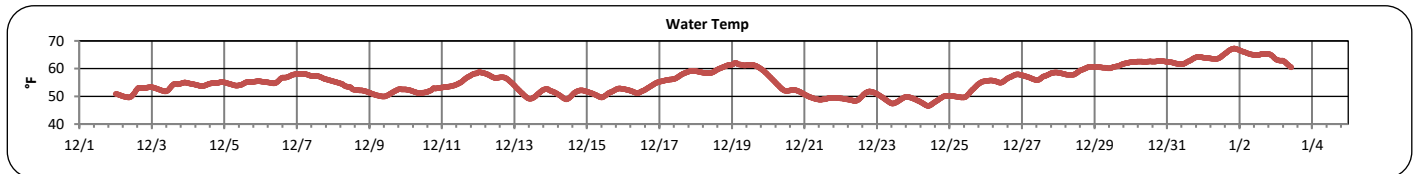
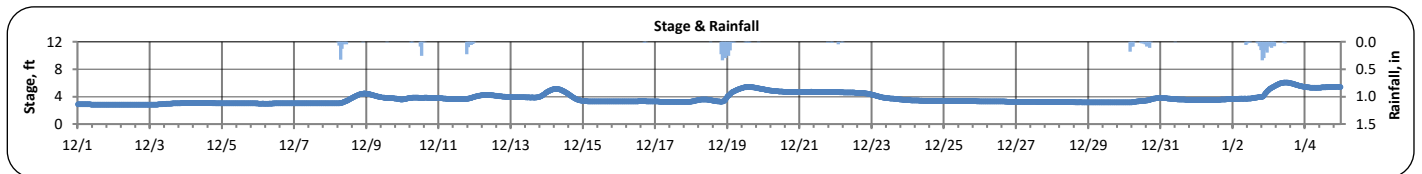
Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

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Continuous Water Quality Monitoring Periodic Report

Gills Creek C (December 1, 2021 - January 4, 2022)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Gills Creek	STAGE (FT):	2.9	6.1	3.5	3.7	0.7
LOCATION:	Bluff Road bridge	TEMPERATURE (°F):	47	67	55	55	5
ADDRESS:	3009 Bluff Rd. Columbia, SC 29209	TURBIDITY (NTU):	3.0	49.6	6.9	9.1	6.5
COORDINATES:	33.948043, -80.9889	pH:	6.2	6.5	6.4	6.4	0.1
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	SPECIFIC CONDUCTIVITY (mS/cm):	0.044	0.074	0.060	0.059	0.006
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	6.7	10.4	8.8	8.7	0.8
APPROX. DRAINAGE AREA:	64 square miles						
SPATIAL LOCATION:	Most downstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	8						
MAX. DAILY RAINFALL:	1.5 inches						
TOTAL RAINFALL (FOR PERIOD):	6.0 inches						



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

REPORT GENERATED ON 3/22/2022

**Continuous Water Quality
Monitoring Periodic Report**

Gills Creek C (December 1, 2021 - January 4, 2022)

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	
	12/8/2021		12/8/2021		12/8/2021		12/8/2021	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	8:55	878	9:59	1,590	11:05	1,366	12:08	11,590
Total Suspended Solids (mg/L)	8:55	18.6	9:59	11.2	11:05	15.3	12:08	52.8
Total Phosphorus (mg/L)	8:55	0.070	9:59	0.050	11:05	0.061	12:08	0.28
Total Nitrogen (mg/L)	8:55	0.637	9:59	0.570	11:05	0.796	12:08	1.42

Analyte (units)	Sample 5		Sample 6		Sample 7		Sample 8	
	12/20/2021							
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	14:13	471						
Total Suspended Solids (mg/L)	14:10	8.4						
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

All samples were collected during wet weather conditions.

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

REPORT GENERATED ON 3/22/2022

**Continuous Water Quality
Monitoring Periodic Report**

Gills Creek C (December 1, 2021 - January 4, 2022)

Notes:

Data Gaps

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

Potential Illicit Discharges and Abnormal Events:

The specific conductivity increased on December 8th, 10th, 11th, 16th, 19th, and January 2nd, which may be the result of an illicit discharge.