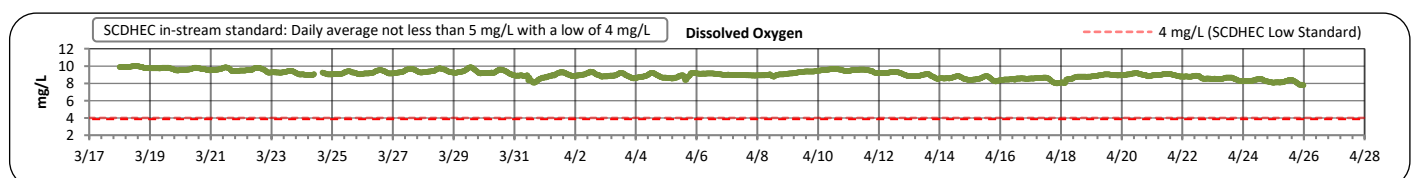
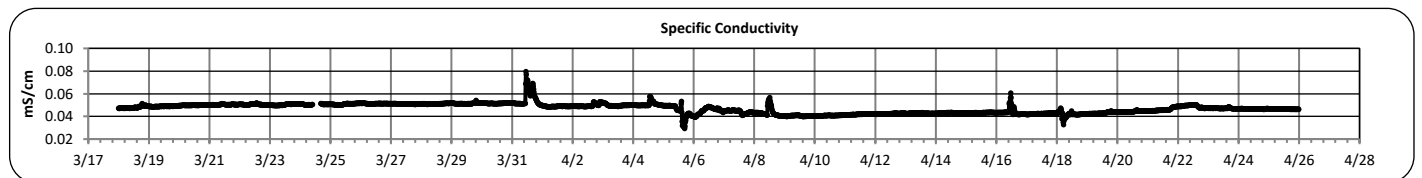
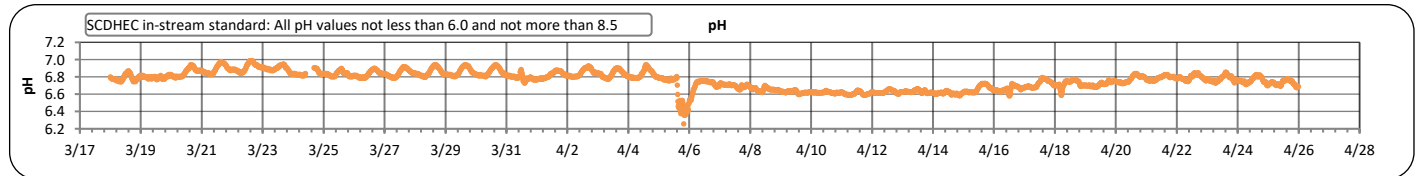
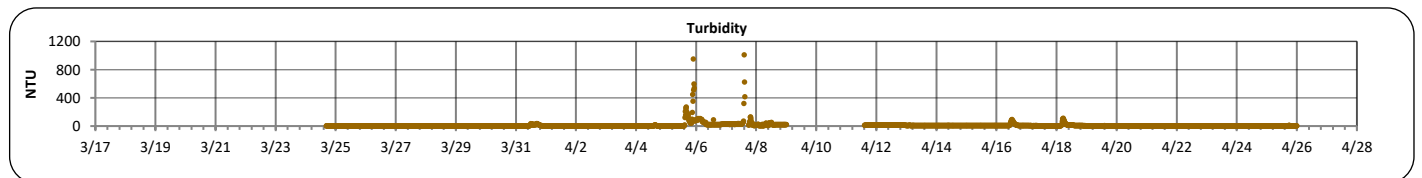
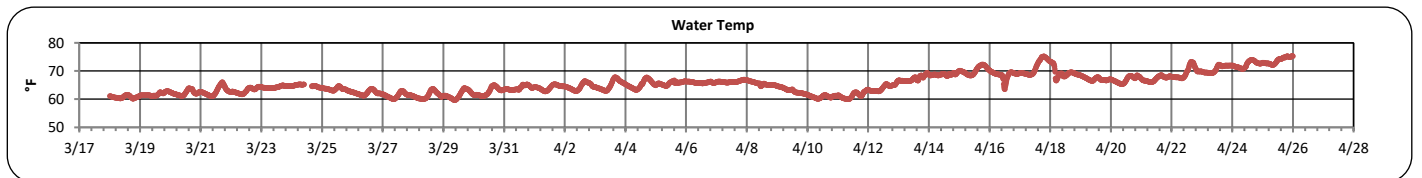
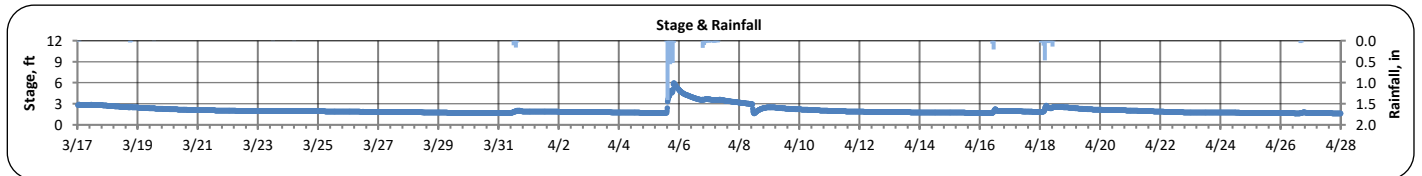


Continuous Water Quality Monitoring Periodic Report

Gills Creek A (March 17, 2022 - April 27, 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	6.0	1.9	2.1	0.6
LOCATION:	Forest Drive Bridge	TEMPERATURE (°F):	60	75	65	65	4
ADDRESS:	4840 Forest Drive, Columbia, SC 29206	TURBIDITY (NTU):	2	1012	5	13	41
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):	0.029	0.080	0.048	0.047	0.004
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	7.8	10.0	9.1	9.1	0.4
APPROX. DRAINAGE AREA:	48 square miles						
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	7						
MAX. DAILY RAINFALL:	3.1 inches						
TOTAL RAINFALL (FOR PERIOD):	5.7 inches						



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

REPORT GENERATED ON 8/1/2022

**Continuous Water Quality
Monitoring Periodic Report**

Gills Creek A (March 17, 2022 - April 27, 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: There were no grab samples collected during this monitoring period.

Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)								
Total Suspended Solids (mg/L)								
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

Notes:

Data Gaps

Turbidity data was not collected from the beginning of the monitoring period until March 24th because the sensor was out for repairs. There was a data gap for all water quality parameters on March 24th when the sonde was pulled to install the new turbidity sensor. Turbidity data was removed from April 8th to April 11th due to fouling of the sensor.

Potential Illicit Discharges and Abnormal Events:

Specific conductivity increased on March 31st, April 4th, 8th, and 16th, which may be the result of potential illicit discharges. The pH dropped abnormally low during a storm event on April 5th.

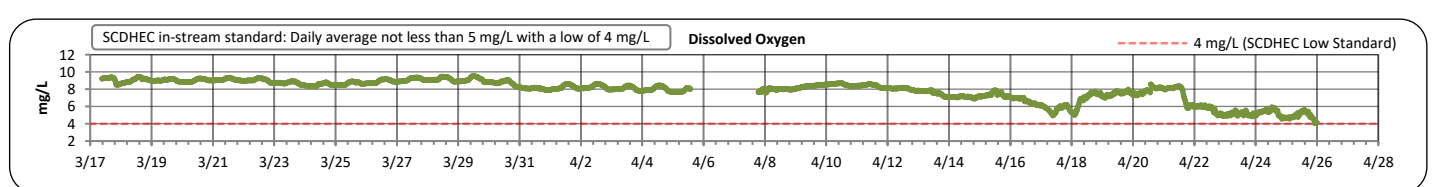
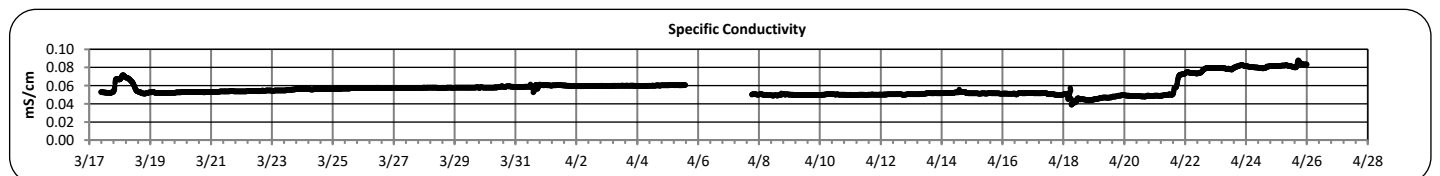
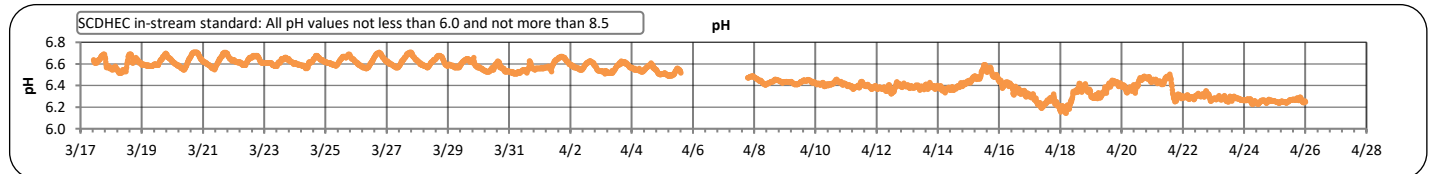
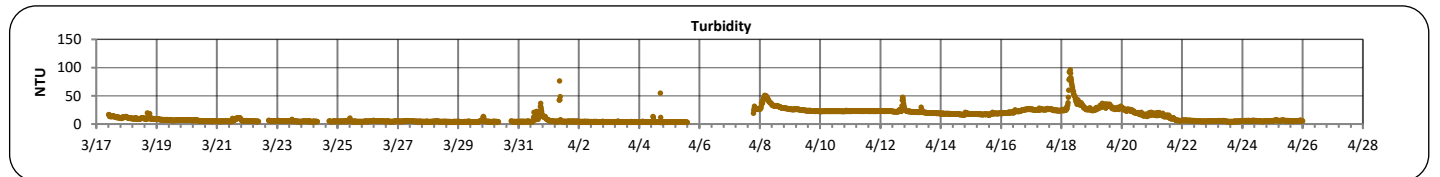
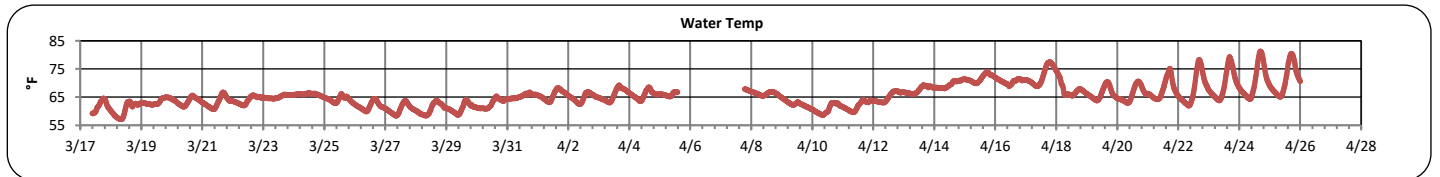
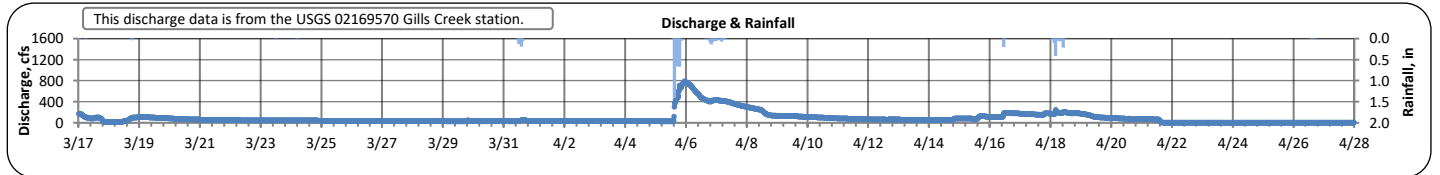
Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

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Continuous Water Quality Monitoring Periodic Report

Gills Creek B (March 17, 2022 - April 27, 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):	3.3	794.0	49.5	87.7	115.1
LOCATION:	Devine Street bridge	TEMPERATURE (°F):	57	81	65	66	4
ADDRESS:	4716 Devine Street Columbia, SC 29209	TURBIDITY (NTU):	3	97	7	13	11
COORDINATES:	33.989656, -80.97433	pH:	6.1	6.7	6.5	6.5	0.1
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	SPECIFIC CONDUCTIVITY (mS/cm):	0.039	0.088	0.055	0.057	0.009
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	4.1	9.5	8.2	7.9	1.2
APPROX. DRAINAGE AREA:	59 square miles						
SPATIAL LOCATION:	Middle site						
TOTAL NO. STORMS OVER 0.1 INCH:	6						
MAX. DAILY RAINFALL:	3.3 inches						
TOTAL RAINFALL (FOR PERIOD):	5.8 inches						



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

REPORT GENERATED ON 8/1/2022

**Continuous Water Quality
Monitoring Periodic Report**

Gills Creek B (March 17, 2022 - April 27, 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					
	3/21/2022		4/22/2022					
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	12:48	40	9:16	2143				
Total Suspended Solids (mg/L)	12:46	8.4	9:15	16.5				
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

Samples 1 and 2 were collected during dry weather conditons.

Notes:

Data Gaps

Data for water temperature, turbidity, pH, specific conductivity, and dissolved oxygen were removed from April 5th to 7th because all sensors were buried after the storm.

Potential Illicit Discharges and Abnormal Events:

Specific conductivity increased on March 18th and from April 22nd until the end of the monitoring period, which may have been the result of illicit discharges.

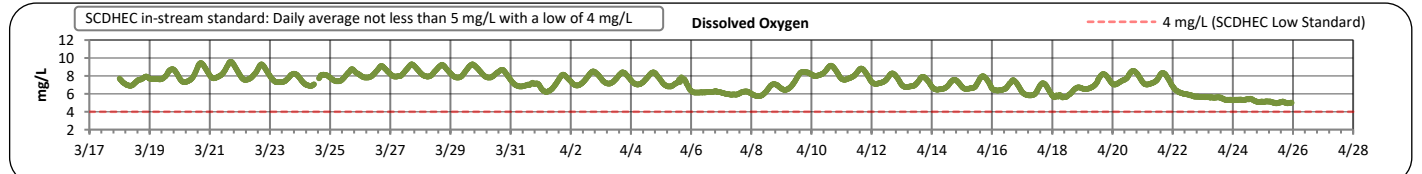
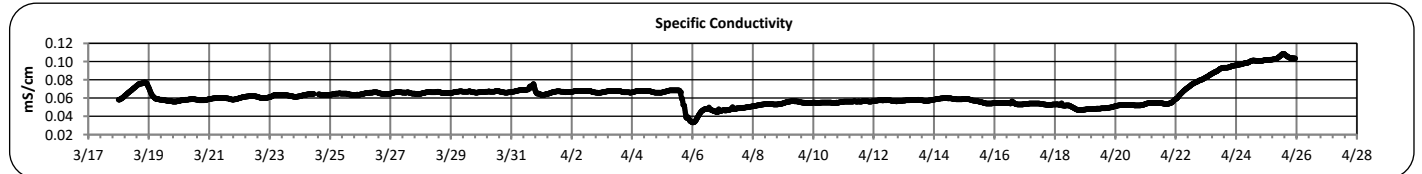
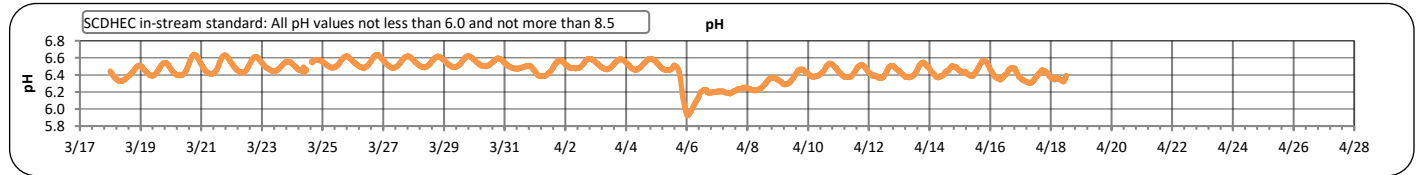
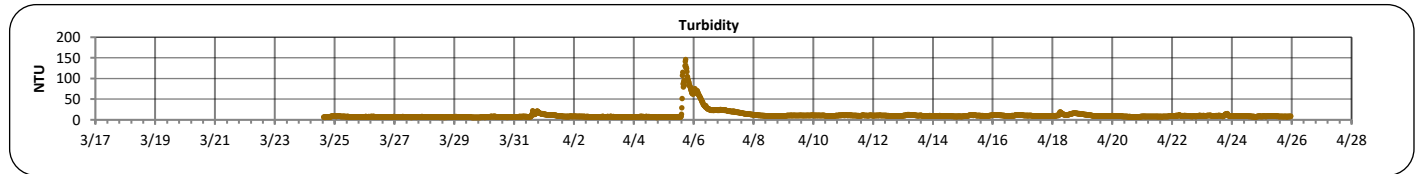
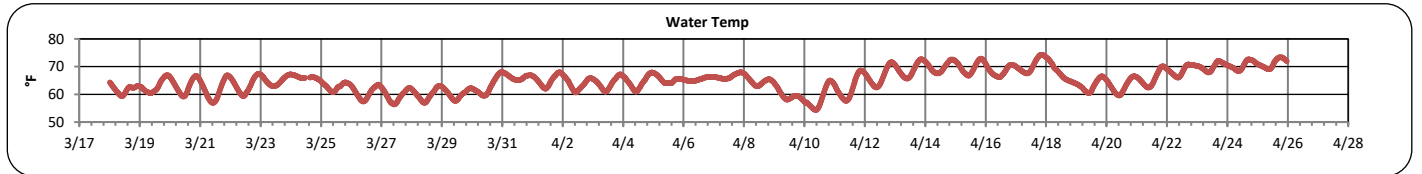
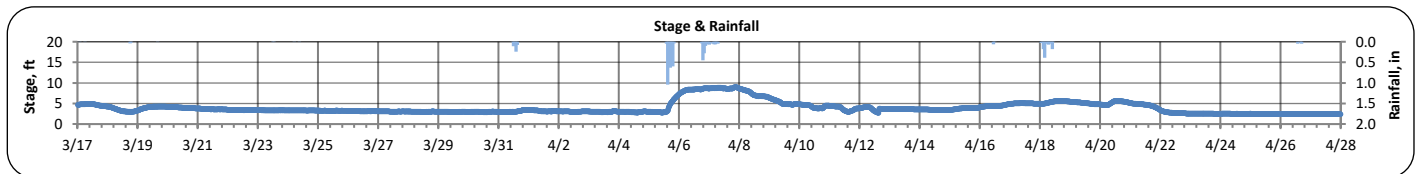
Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

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Continuous Water Quality Monitoring Periodic Report

Gills Creek C (March 17, 2022 - April 27, 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):	2.4	9.0	3.5	4.0	1.5
LOCATION:	Bluff Road bridge	TEMPERATURE (°F):	54	74	65	65	4
ADDRESS:	3009 Bluff Rd. Columbia, SC 29209	TURBIDITY (NTU):	6	146	10	11	11
COORDINATES:	33.948043, -80.9889	pH:	5.9	6.6	6.5	6.5	0.1
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	SPECIFIC CONDUCTIVITY (mS/cm):	0.034	0.109	0.060	0.063	0.013
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	4.9	9.6	7.4	7.3	1.0
APPROX. DRAINAGE AREA:	64 square miles						
SPATIAL LOCATION:	Most downstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	6						
MAX. DAILY RAINFALL:	2.8 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

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**Continuous Water Quality
Monitoring Periodic Report**

Gills Creek C (March 17, 2022 - April 27, 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	
	3/21/2022		4/22/2022					
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	12:20	104	8:43	86				
Total Suspended Solids (mg/L)	12:21	7.1	8:44	7.4				
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

All samples were collected during dry weather conditions.

Notes:

Data Gaps

Turbidity data was removed from March 18th to March 24th due to sensor repairs and pH was removed from April 18th to April 25th due to sensor repairs.

Potential Illicit Discharges and Abnormal Events:

Specific conductivity increased on March 18th, 31st, and April 22nd, that may have been the result of illicit discharges. The pH dropped abnormally low during a storm event on April 6th.

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

REPORT GENERATED ON 8/1/2022