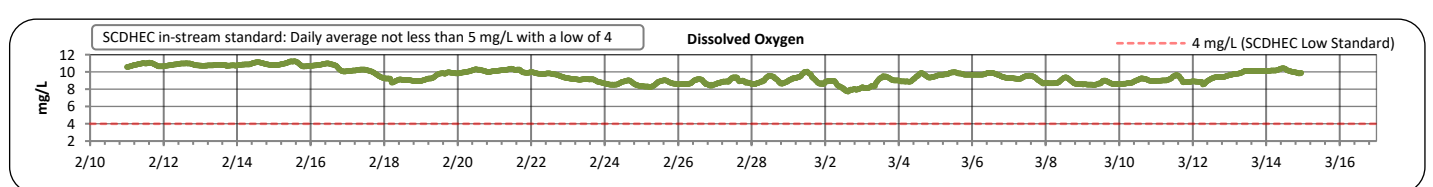
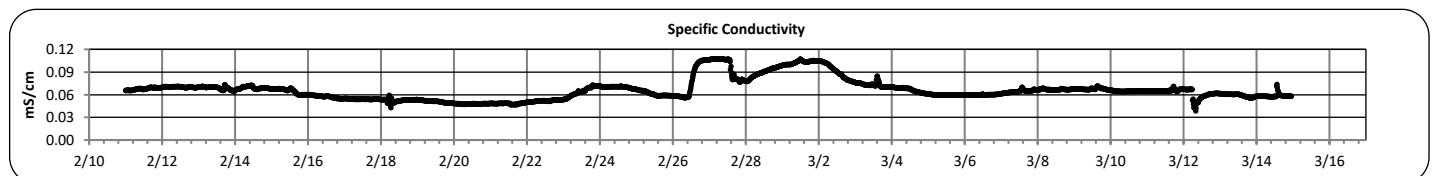
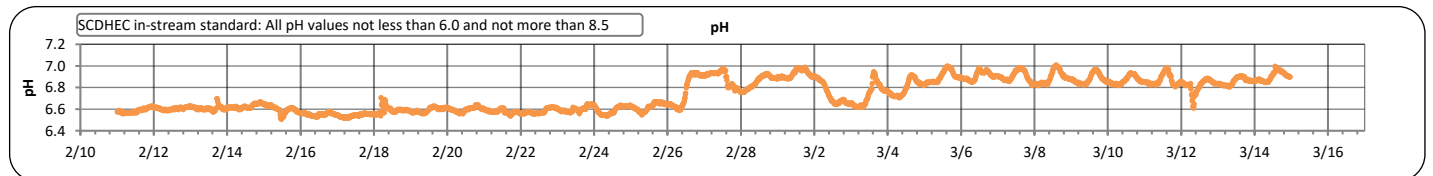
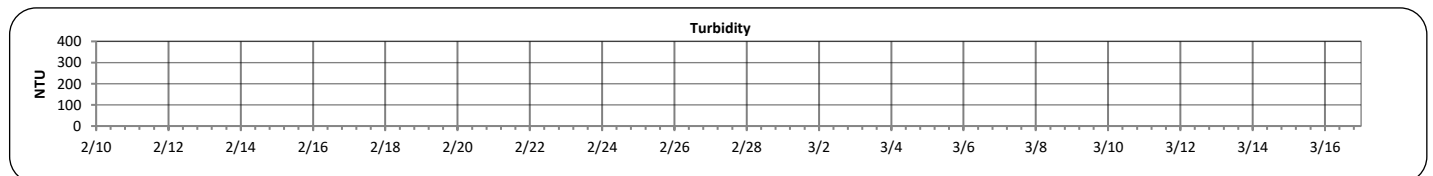
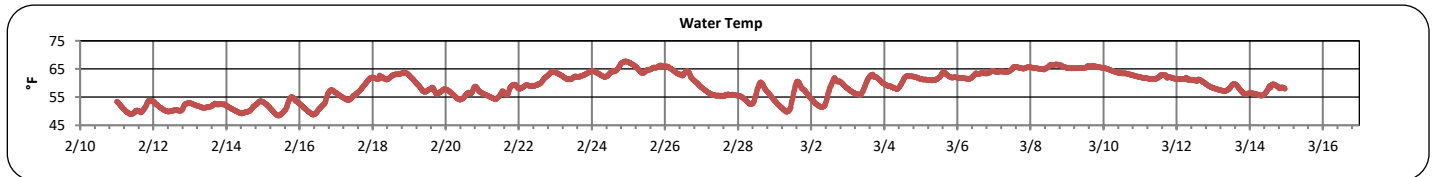
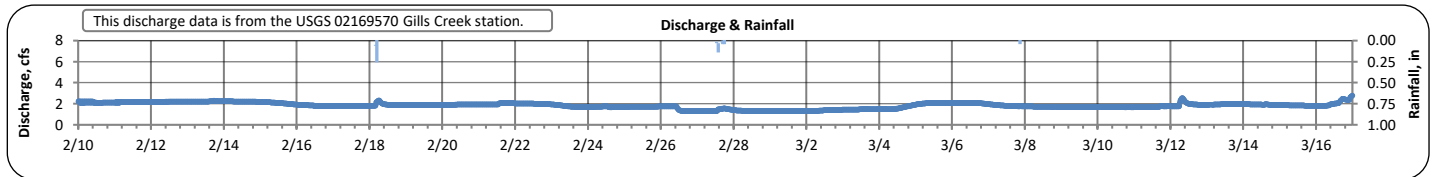


# Continuous Water Quality Monitoring Periodic Report

Gills Creek A (February 10, 2022 - March 16, 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):	1.3	2.8	1.9	1.9	0.3
LOCATION:	Devine Street bridge	TEMPERATURE (°F):	49	68	59	59	5
ADDRESS:	4716 Devine Street Columbia, SC 29209	TURBIDITY (NTU):	-	-	-	-	-
COORDINATES:	33.989656, -80.97433	pH:	6.5	7.0	6.7	6.7	0.1
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	SPECIFIC CONDUCTIVITY (mS/cm):	0.039	0.108	0.065	0.066	0.014
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	7.7	11.3	9.4	9.6	0.8
APPROX. DRAINAGE AREA:	59 square miles						
SPATIAL LOCATION:	Middle site						
TOTAL NO. STORMS OVER 0.1 INCH:	5						
MAX. DAILY RAINFALL:	1.1 inches						
TOTAL RAINFALL (FOR PERIOD):	2.8 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 A (February 10, 2022 - March 16, 2022)**

**Explanation of Statistics:**

<b>MINIMUM OBSERVED</b>	The minimum of the values recorded by the datasonde in 15 minute intervals.
<b>MAXIMUM OBSERVED</b>	The maximum of the values recorded by the datasonde in 15 minute intervals.
<b>MEDIAN OBSERVED</b>	The median of all the values recorded by the datasonde in 15 minute intervals.
<b>MEAN OBSERVED</b>	The average of all the values recorded by the datasonde in 15 minute intervals.
<b>STANDARD DEVIATION</b>	The standard deviation of all the values recorded by the datasonde in 15 minute intervals.

**Sampled Data:**

Analyte (units)	Sample 1							
	3/9/2022							
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	14:48	352						
Total Suspended Solids (mg/L)	14:48	4.80						
Total Phosphorus (mg/L)	14:48	0.027						
Total Nitrogen (mg/L)	14:48	0.721						

Sample 1 was collected during wet weather conditions.

**Notes:**

Data Gaps

Turbidity data was not collected during this monitoring period because the sensor was out for repairs.

Potential Illicit Discharges and Abnormal Events:

Specific conductivity increased on February 13th, February 23rd, February 26th to March 2nd, March 3rd, and March 14th that may have been the result of illicit discharges.

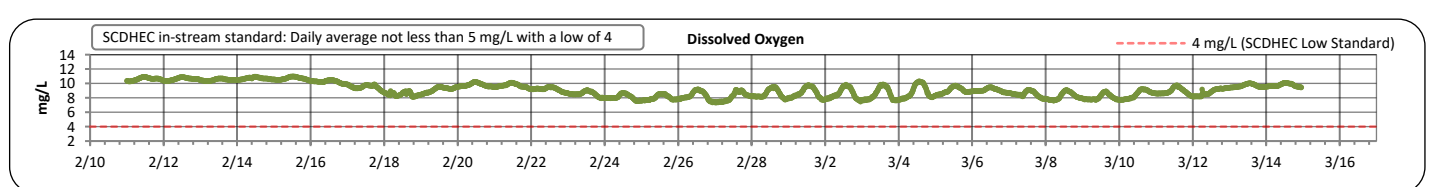
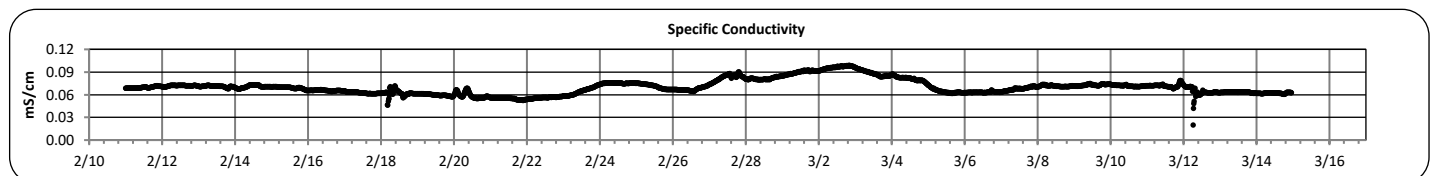
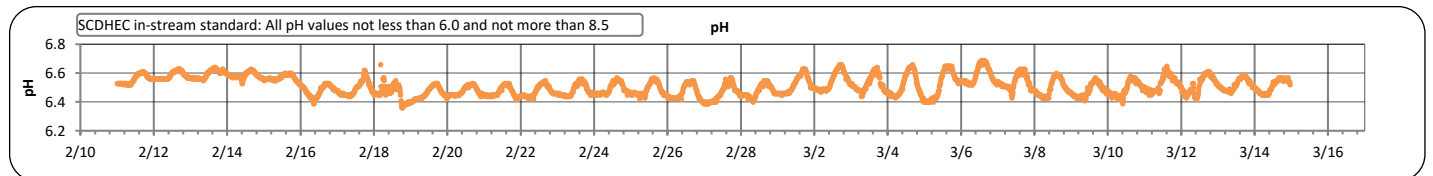
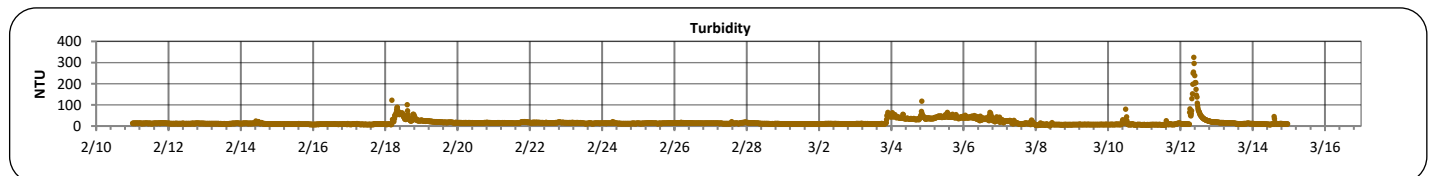
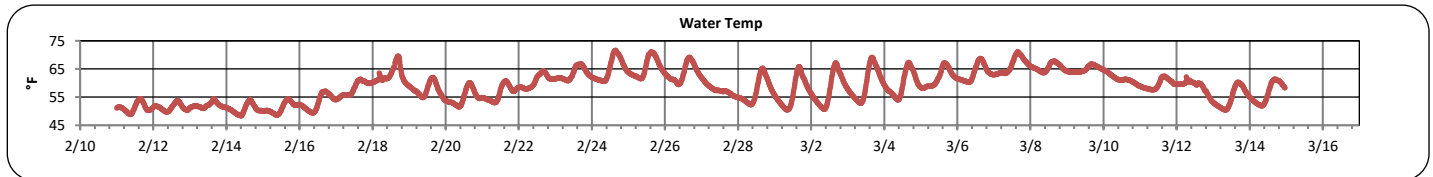
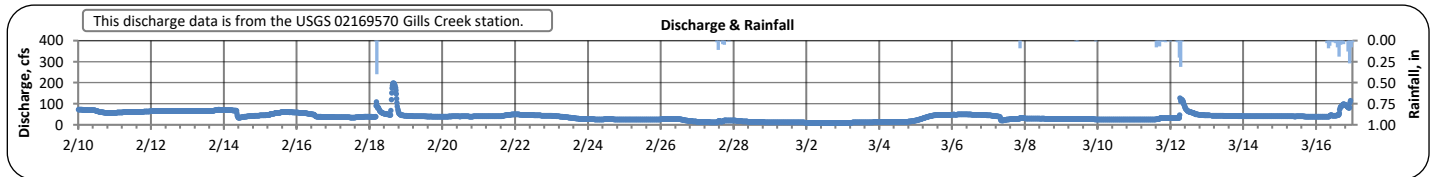
Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

REPORT GENERATED ON 8/1/2022

# Continuous Water Quality Monitoring Periodic Report

Gills Creek B (February 10, 2022 - March 16, 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):	10.6	199.0	39.7	38.9	20.5
LOCATION:	Devine Street bridge	TEMPERATURE (°F):	48	72	59	59	5
ADDRESS:	4716 Devine Street Columbia, SC 29209	TURBIDITY (NTU):	3	325	13	18	18
COORDINATES:	33.989656, -80.97433	pH:	6.4	6.7	6.5	6.5	0.1
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	SPECIFIC CONDUCTIVITY (mS/cm):	0.020	0.099	0.070	0.070	0.010
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	7.4	11.0	9.1	9.2	0.9
APPROX. DRAINAGE AREA:	59 square miles						
SPATIAL LOCATION:	Middle site						
TOTAL NO. STORMS OVER 0.1 INCH:	5						
MAX. DAILY RAINFALL:	1.1 inches						
TOTAL RAINFALL (FOR PERIOD):	2.8 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 (February 10, 2022 - March 16, 2022)**

**Explanation of Statistics:**

<b>MINIMUM OBSERVED</b>	The minimum of the values recorded by the datasonde in 15 minute intervals.
<b>MAXIMUM OBSERVED</b>	The maximum of the values recorded by the datasonde in 15 minute intervals.
<b>MEDIAN OBSERVED</b>	The median of all the values recorded by the datasonde in 15 minute intervals.
<b>MEAN OBSERVED</b>	The average of all the values recorded by the datasonde in 15 minute intervals.
<b>STANDARD DEVIATION</b>	The standard deviation of all the values recorded by the datasonde in 15 minute intervals.

**Sampled Data:**

Analyte (units)	Sample 1		Sample 2					
	2/21/2022		3/9/2022					
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	13:47	132	14:15	346				
Total Suspended Solids (mg/L)	13:46	9.1	14:15	5.7				
Total Phosphorus (mg/L)			14:15	0.022				
Total Nitrogen (mg/L)			14:15	0.56				

Sample 1 was collected during dry weather conditions. Sample 2 was 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:

Specific conductivity increased on February 28th, February 20th, and February 24th to March 4th that may have been the result of an illicit discharge.

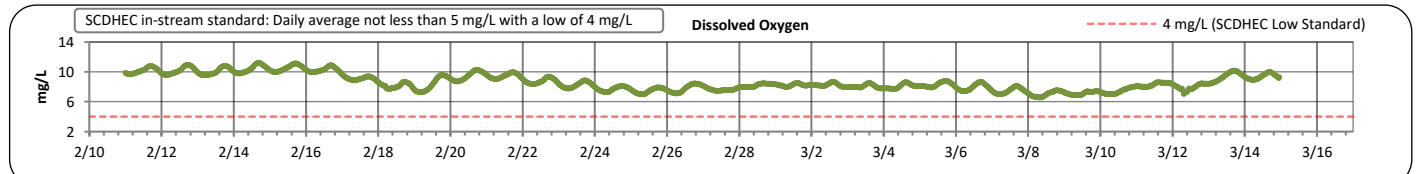
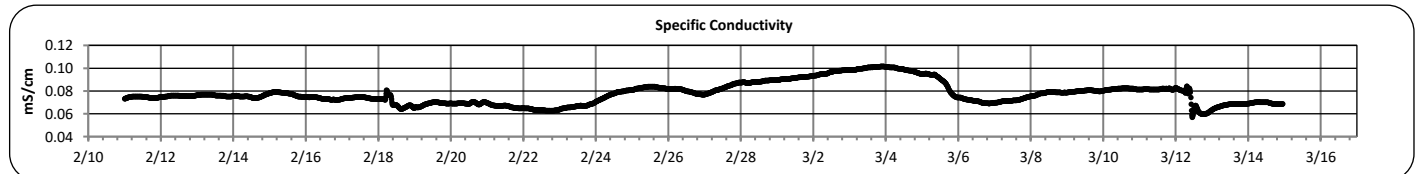
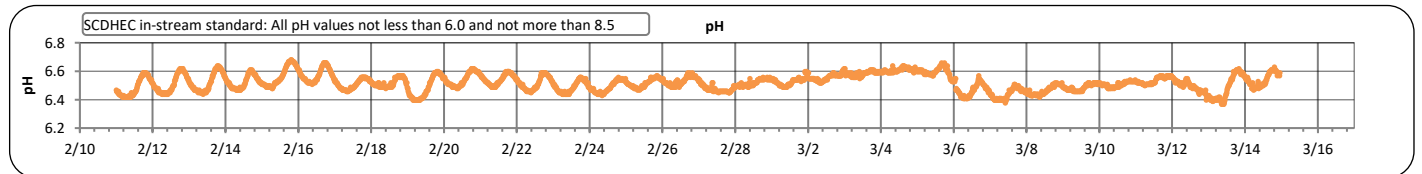
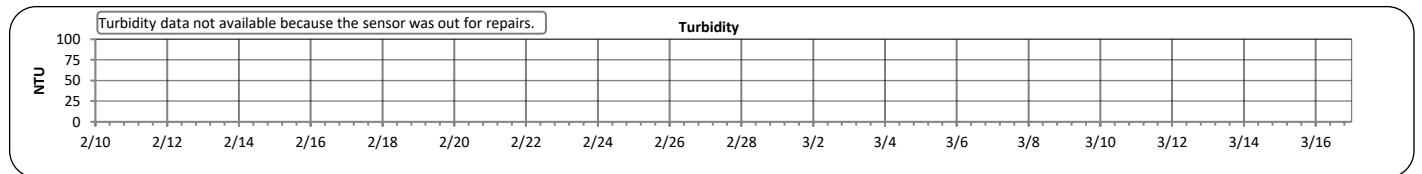
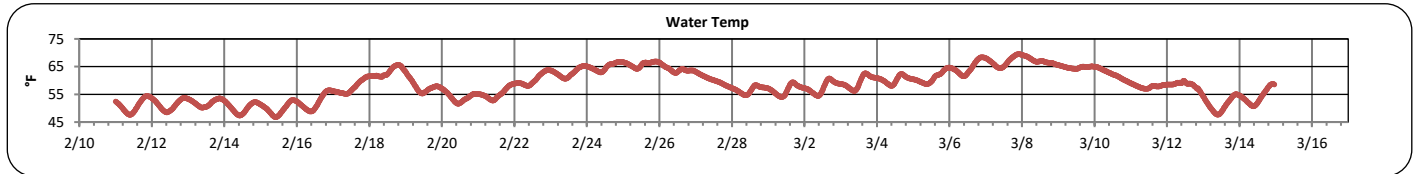
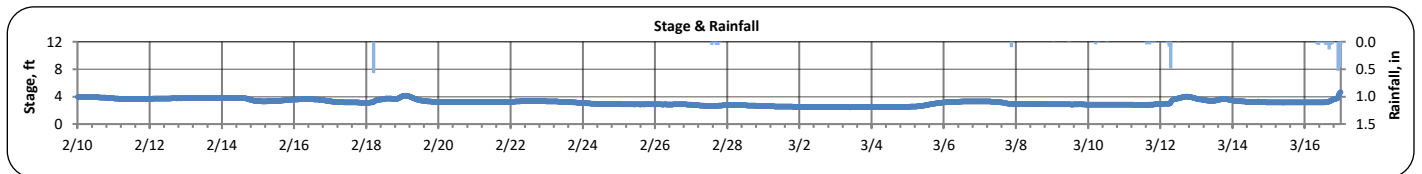
Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

REPORT GENERATED ON 8/1/2022

# Continuous Water Quality Monitoring Periodic Report

Gills Creek C (February 10, 2022 - March 16, 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):	2.5	4.7	3.2	3.2	0.4
LOCATION:	Bluff Road bridge	TEMPERATURE (°F):	47	70	59	59	5
ADDRESS:	3009 Bluff Rd. Columbia, SC 29209	TURBIDITY (NTU):	-	-	-	-	-
COORDINATES:	33.948043, -80.9889	pH:	6.4	6.7	6.5	6.5	0.1
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	SPECIFIC CONDUCTIVITY (mS/cm):	0.057	0.102	0.076	0.078	0.010
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	6.6	11.2	8.4	8.6	1.1
APPROX. DRAINAGE AREA:	64 square miles						
SPATIAL LOCATION:	Most downstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	6						
MAX. DAILY RAINFALL:	1.61 inches						
TOTAL RAINFALL (FOR PERIOD):	3.6 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 C (February 10, 2022 - March 16, 2022)**

**Explanation of Statistics:**

<b>MINIMUM OBSERVED</b>	The minimum of the values recorded by the datasonde in 15 minute intervals.
<b>MAXIMUM OBSERVED</b>	The maximum of the values recorded by the datasonde in 15 minute intervals.
<b>MEDIAN OBSERVED</b>	The median of all the values recorded by the datasonde in 15 minute intervals.
<b>MEAN OBSERVED</b>	The average of all the values recorded by the datasonde in 15 minute intervals.
<b>STANDARD DEVIATION</b>	The standard deviation of all the values recorded by the datasonde in 15 minute intervals.

**Sampled Data:**

Analyte (units)	Sample 1		Sample 2					
	2/21/2022		3/9/2022					
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	14:17	31	13:20	40				
Total Suspended Solids (mg/L)	14:16	3.80	13:20	5.70				
Total Phosphorus (mg/L)			13:20	0.038				
Total Nitrogen (mg/L)			13:20	8.45				

Sample 1 was collected during dry weather conditions. Sample 2 was collected during wet weather conditions.

**Notes:**

Data Gaps

Turbidity data was not collected during this monitoring period because the sensor was out for repairs.

Potential Illicit Discharges and Abnormal Events:

Specific conductivity increased from February 24th to March 5th, that may have been the result of illicit discharges.