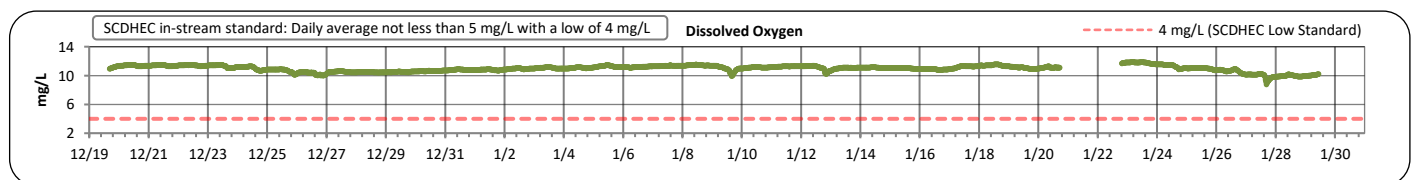
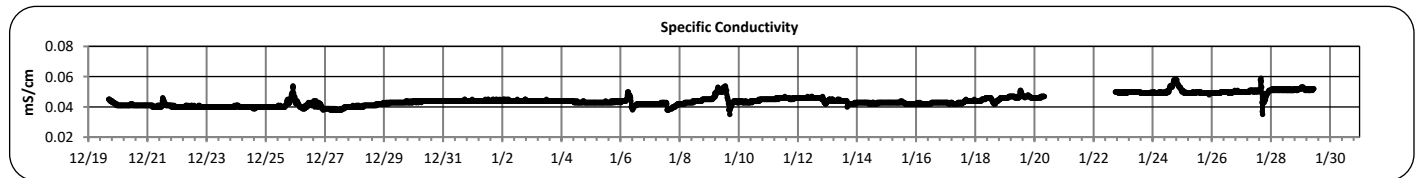
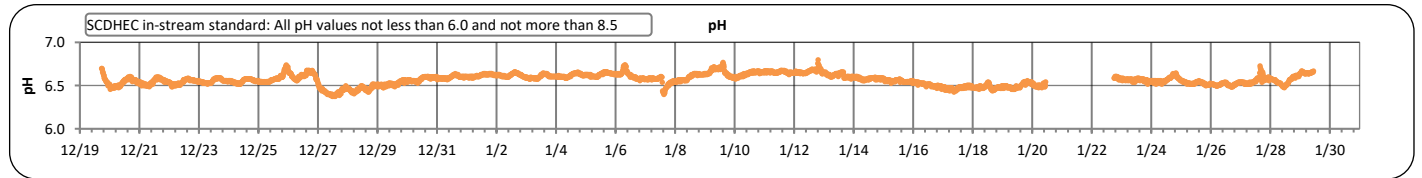
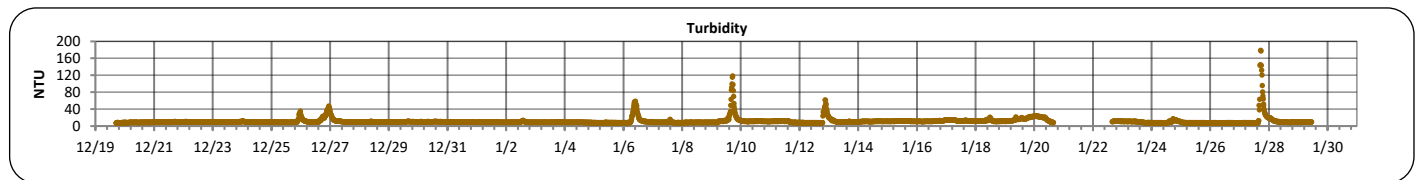
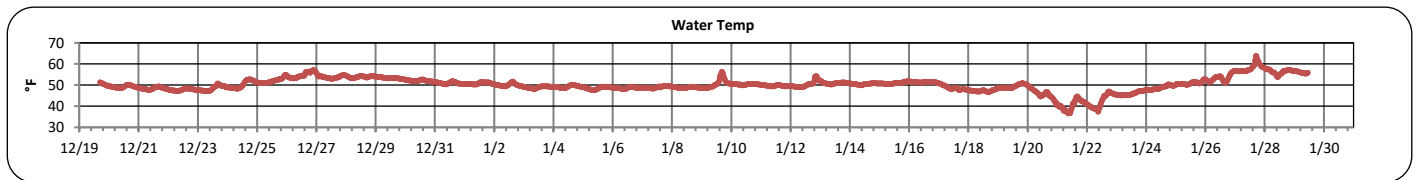
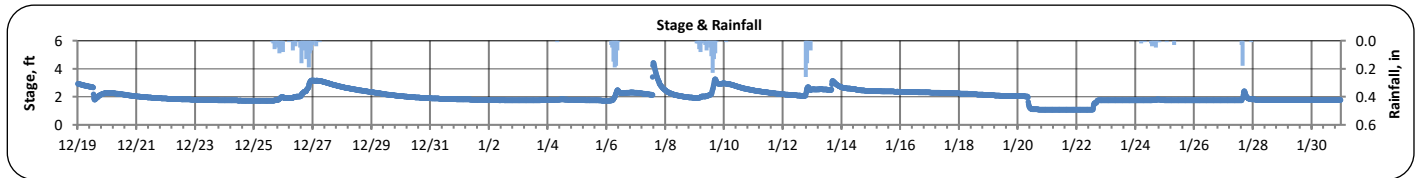


# Continuous Water Quality Monitoring Periodic Report

Gills Creek A (December 19, 2023 - January 30, 2024)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Gills Creek	STAGE (FT):	1.1	4.4	1.9	2.0	0.4
LOCATION:	Forest Drive Bridge	TEMPERATURE (°F):	37	64	50	50	3
ADDRESS:	4840 Forest Drive, Columbia, SC 29206	TURBIDITY (NTU):	8	180	10	12	9
COORDINATES:	34.019826, -80.963566	pH:	6.4	6.8	6.6	6.6	0.1
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	SPECIFIC CONDUCTIVITY (mS/cm):	0.035	0.059	0.044	0.044	0.004
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	8.8	11.9	11.1	11.0	0.4
APPROX. DRAINAGE AREA:	48 square miles						
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	8						
MAX. DAILY RAINFALL:	1.1 inches						
TOTAL RAINFALL (FOR PERIOD):	4.1 inches						



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

REPORT GENERATED ON 3/5/2024

**Continuous Water Quality  
Monitoring Periodic Report**

**Gills Creek A (December 19, 2023 - January 30, 2024)**

**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		Sample 3			
	1/9/2024		1/9/2024		1/9/2024			
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	9:30	374	13:10	870	14:30	2,130		
Total Suspended Solids (mg/L)	9:30	8.1	13:10	12.8	14:30	43.0		
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

All samples were collected during wet weather conditions.

**Notes:**

Data Gaps

There was a data gap in turbidity, pH, DO, and specific conductivity from 1/20 - 1/22 due to the sensors fouling.

Potential Illicit Discharges and Abnormal Events:

There were multiple instances of increased specific conductivity throughout the monitoring period which may have been the result of potential illicit discharges.

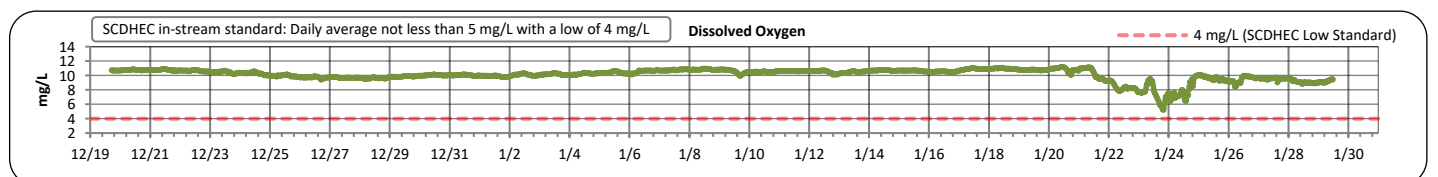
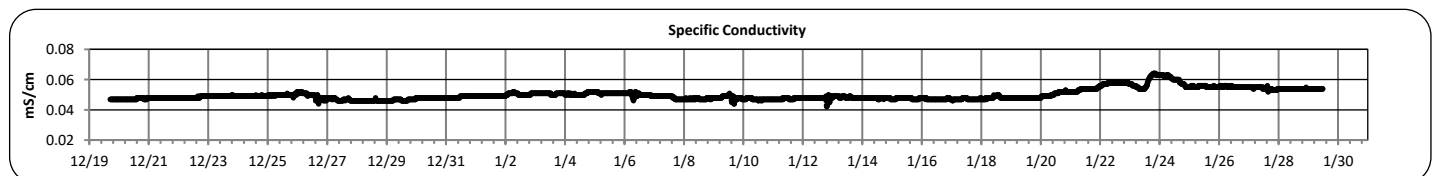
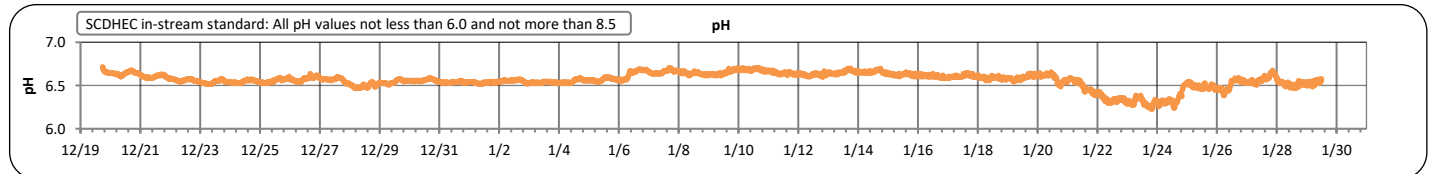
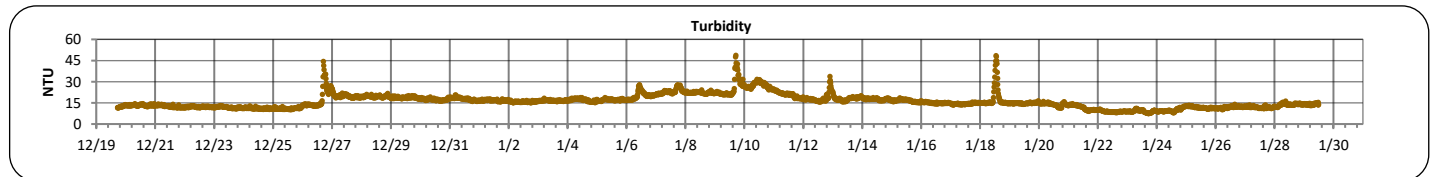
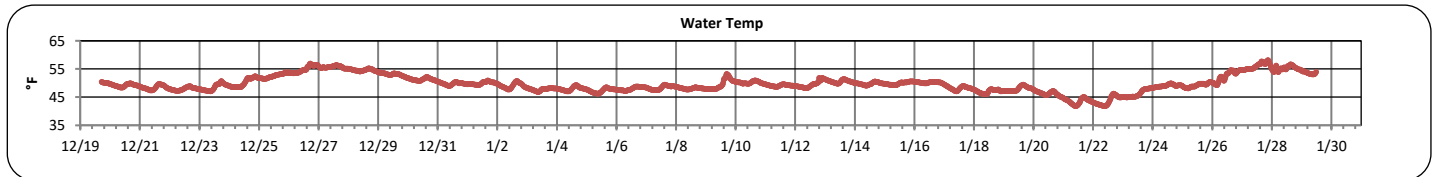
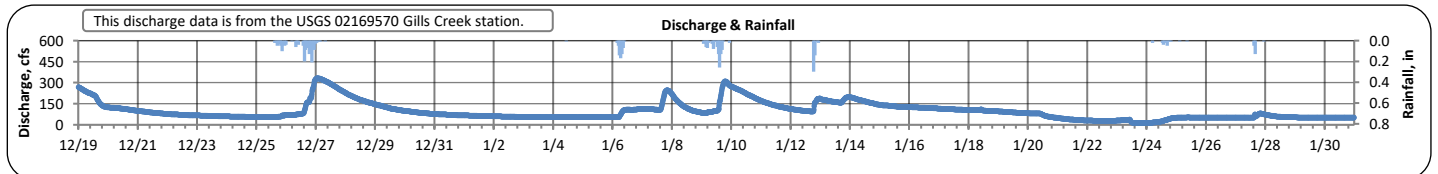
Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

REPORT GENERATED ON 3/5/2024

# Continuous Water Quality Monitoring Periodic Report

Gills Creek B (December 19, 2023 - January 30, 2024)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Gills Creek	DISCHARGE (CFS):	15.4	333.0	80.2	99.4	62.1
LOCATION:	Devine Street bridge	TEMPERATURE (°F):	42	58	49	50	3
ADDRESS:	4716 Devine Street Columbia, SC 29209	TURBIDITY (NTU):	7	49	16	16	5
COORDINATES:	33.989656, -80.97433	pH:	6.2	6.7	6.6	6.6	0.1
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	SPECIFIC CONDUCTIVITY (mS/cm):	0.042	0.064	0.049	0.050	0.004
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	5.3	11.2	10.3	10.1	0.8
APPROX. DRAINAGE AREA:	59 square miles						
SPATIAL LOCATION:	Middle site						
TOTAL NO. STORMS OVER 0.1 INCH:	8						
MAX. DAILY RAINFALL:	1.2 inches						
TOTAL RAINFALL (FOR PERIOD):	4.1 inches						



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

REPORT GENERATED ON 3/5/2024

Continuous Water Quality  
Monitoring Periodic Report

Gills Creek B (December 19, 2023 - January 30, 2024)

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			
	1/9/2024		1/9/2024		1/9/2024			
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	10:30	264	14:15	268	15:28	1,090		
Total Suspended Solids (mg/L)	10:30	9.0	14:15	17.4	15:28	26.4		
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

All samples were collected during wet weather conditions.

Notes:

Data Gaps

There were no data gaps during this monitoring period.

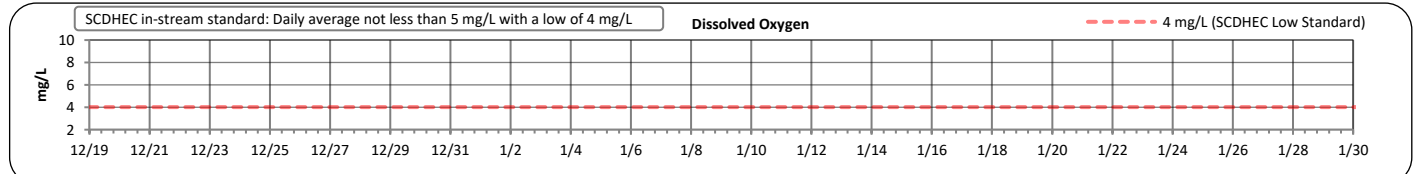
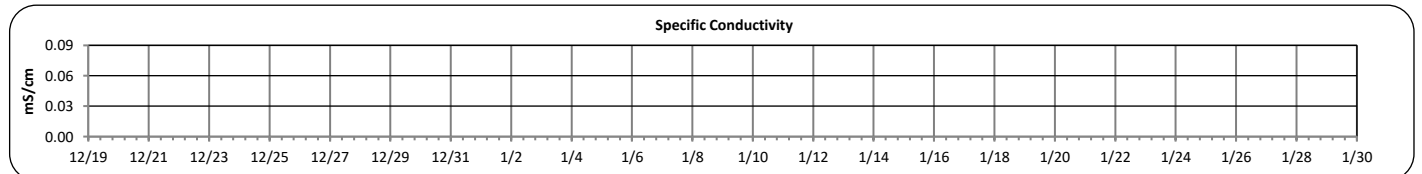
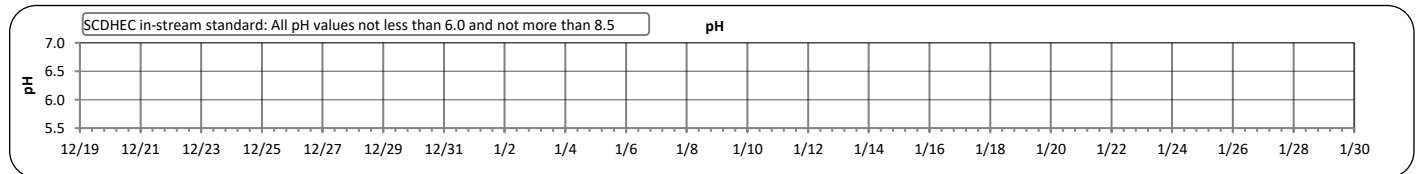
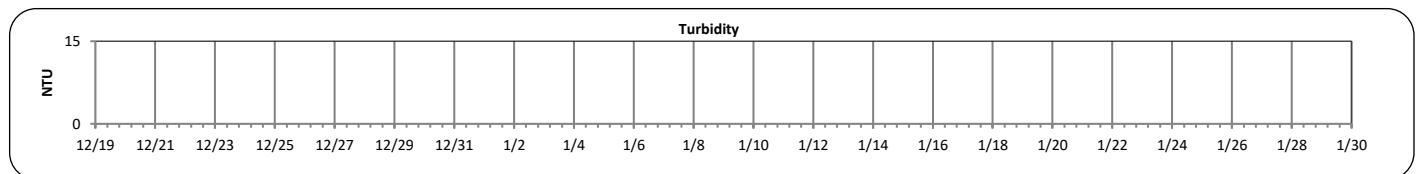
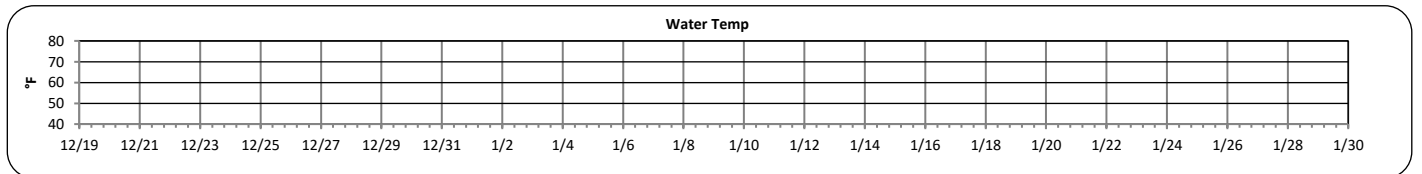
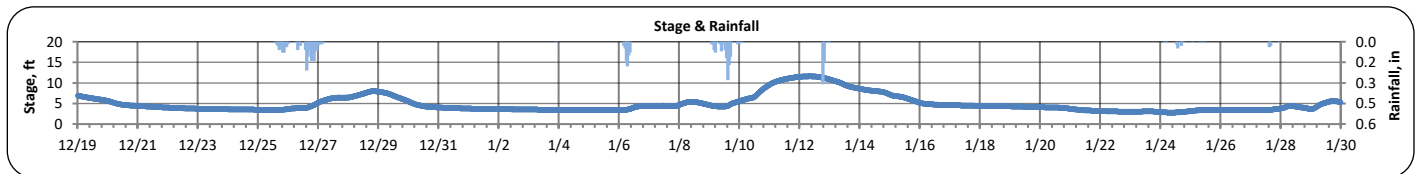
Potential Illicit Discharges and Abnormal Events:

Specific conductivity increased from 1/22 through 1/25, which may have been the result of a potential illicit discharge.

Continuous Water Quality  
Monitoring Periodic Report

Gills Creek C (December 19, 2023 - January 30, 2024)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Gills Creek	STAGE (FT):	2.8	11.6	4.2	4.9	2.0
LOCATION:	Bluff Road bridge	TEMPERATURE (°F):	-	-	-	-	-
ADDRESS:	3009 Bluff Rd. Columbia, SC 29209	TURBIDITY (NTU):	-	-	-	-	-
COORDINATES:	33.948043, -80.9889	pH:	-	-	-	-	-
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	SPECIFIC CONDUCTIVITY (mS/cm):	-	-	-	-	-
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	-	-	-	-	-
APPROX. DRAINAGE AREA:	64 square miles						
SPATIAL LOCATION:	Most downstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	6						
MAX. DAILY RAINFALL:	1.11 inches						
TOTAL RAINFALL (FOR PERIOD):	4.0 inches						



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

REPORT GENERATED ON 3/5/2024

Continuous Water Quality  
Monitoring Periodic Report

Gills Creek C (December 19, 2023 - January 30, 2024)

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	
	1/9/2024		1/9/2024		1/9/2024		1/9/2024	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	10:00	242	10:51	104	13:13	370	14:09	220
Total Suspended Solids (mg/L)	10:00	6.1	10:51	6.6	13:13	6.8	14:09	8.6
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

All samples were collected during wet weather conditions.

Notes:

Data Gaps

No temperature, turbidity, pH, specific conductivity and DO data was collected during this monitoring period because the sensors were out for maintenance.

Potential Illicit Discharges and Abnormal Events:

N/A