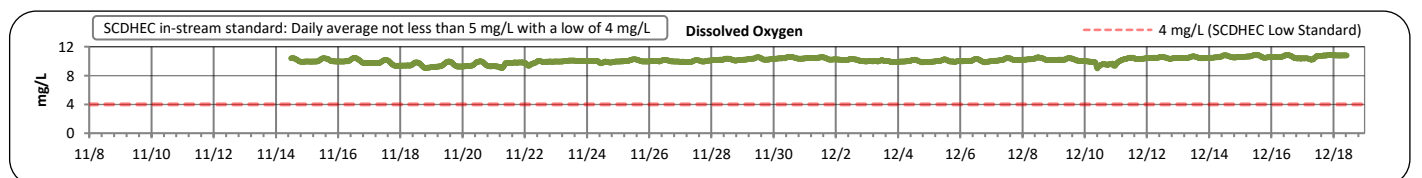
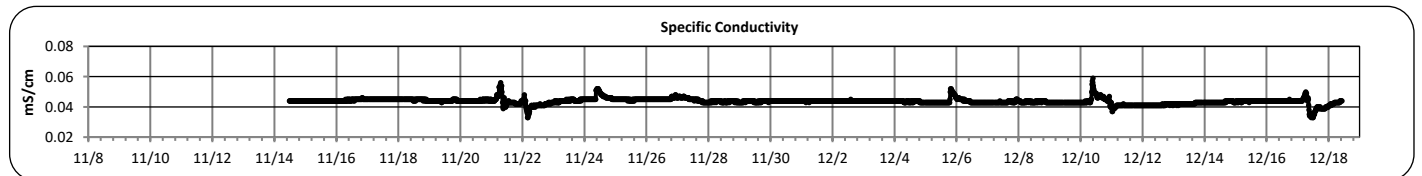
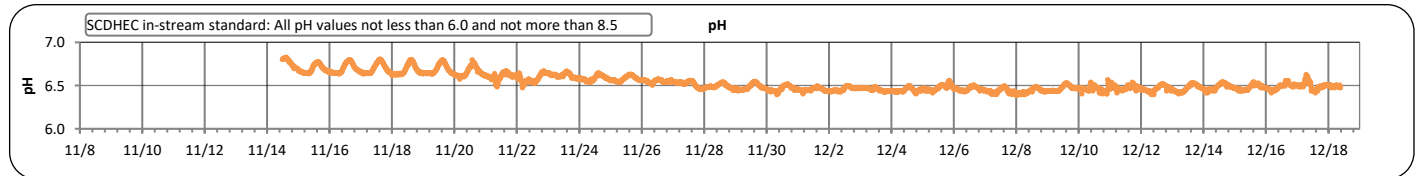
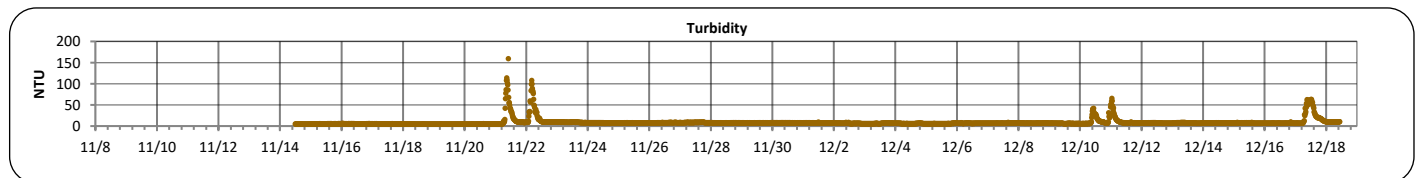
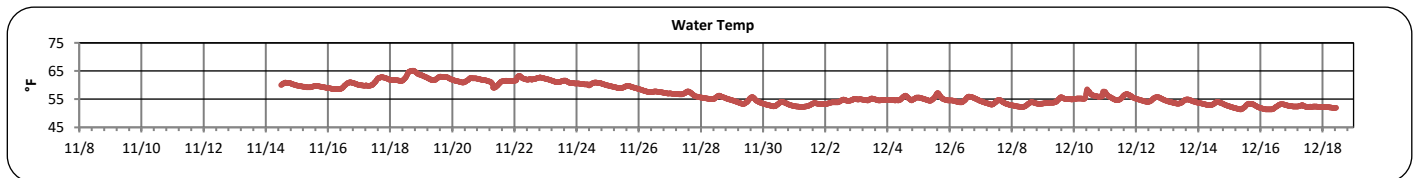
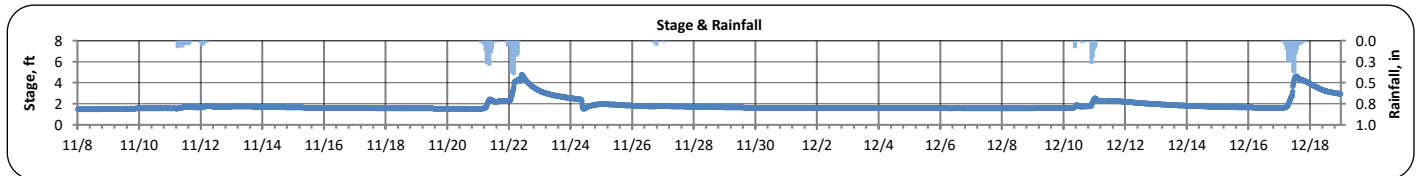


Continuous Water Quality Monitoring Periodic Report

Gills Creek A (November 8, 2023 - December 18, 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):	1.5	4.8	1.7	1.9	0.6
LOCATION:	Forest Drive Bridge	TEMPERATURE (°F):	51	65	55	57	4
ADDRESS:	4840 Forest Drive, Columbia, SC 29206	TURBIDITY (NTU):	4	159	7	9	9
COORDINATES:	34.019826, -80.963566	pH:	6.4	6.8	6.5	6.5	0.1
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	SPECIFIC CONDUCTIVITY (mS/cm):	0.033	0.059	0.044	0.044	0.002
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	9.0	10.9	10.1	10.1	0.4
APPROX. DRAINAGE AREA:	48 square miles						
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	6						
MAX. DAILY RAINFALL:	1.7 inches						
TOTAL RAINFALL (FOR PERIOD):	4.7 inches						



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

REPORT GENERATED ON 2/8/2024

**Continuous Water Quality
Monitoring Periodic Report**

Gills Creek A (November 8, 2023 - December 18, 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	
	11/16/2023		11/21/2023		11/21/2023		11/21/2023	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	13:50	ND	11:40	6,150	12:21	5,210	13:31	2,930
Total Suspended Solids (mg/L)			11:40	38.8				
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

Sample 1 was collected during dry weather conditions. Samples 2 - 4 were collected during wet weather conditions.

Notes:

Data Gaps

There were data gaps from 11/8 to 11/14 for all water quality parameters due to instrument repairs.

Potential Illicit Discharges and Abnormal Events:

There were multiple instances of increased specific conductivity throughout the monitoring period, most notably on 11/21, 12/6 and 12/10, which may have been the result of illicit discharges.

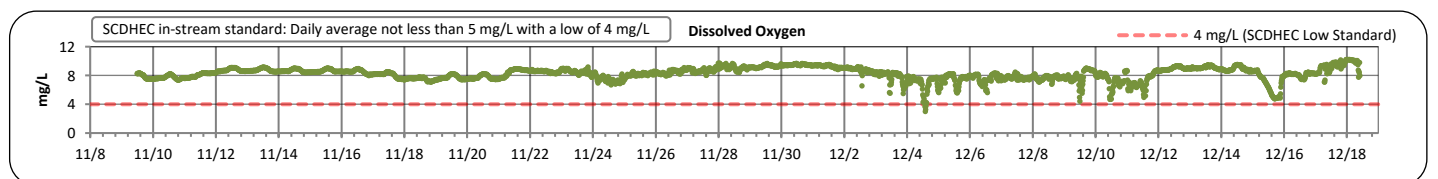
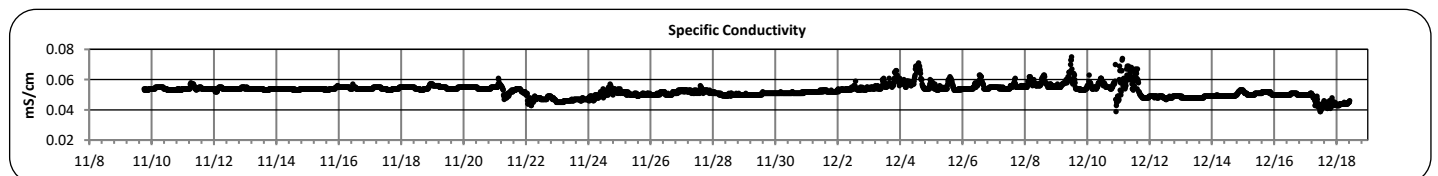
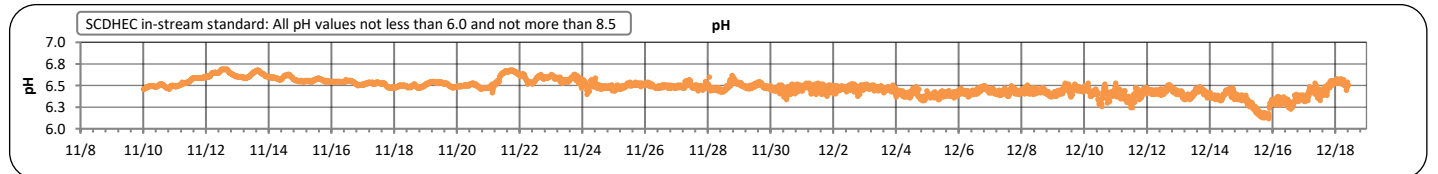
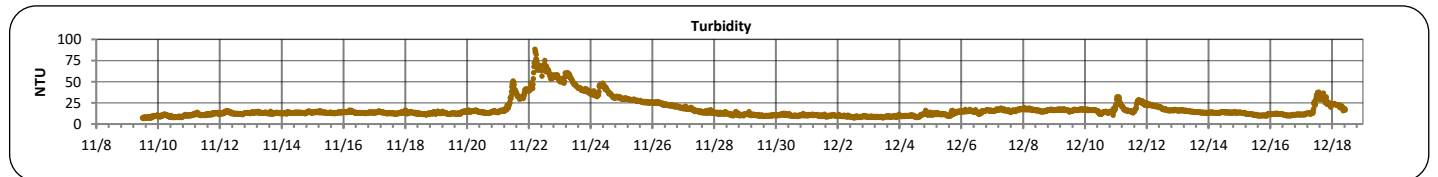
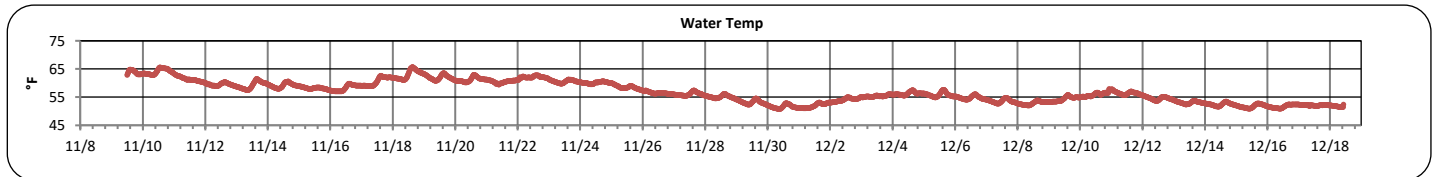
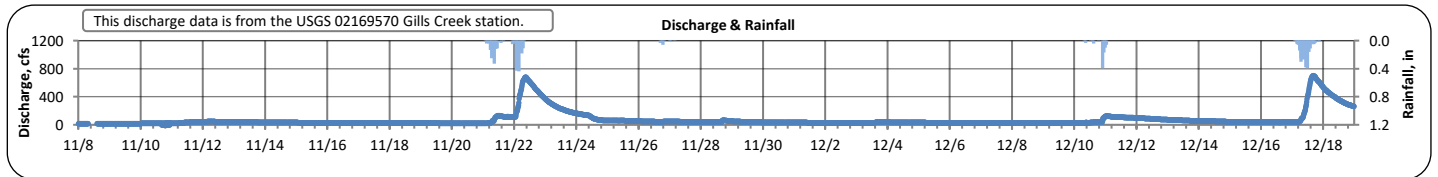
Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

REPORT GENERATED ON 2/8/2024

Continuous Water Quality Monitoring Periodic Report

Gills Creek B (November 8, 2023 - December 18, 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):	1.6	703.0	36.6	72.6	112.5
LOCATION:	Devine Street bridge	TEMPERATURE (°F):	51	66	56	57	4
ADDRESS:	4716 Devine Street Columbia, SC 29209	TURBIDITY (NTU):	7	88	14	17	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	0.075	0.053	0.053	0.004
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	3.0	10.3	8.4	8.3	0.9
APPROX. DRAINAGE AREA:	59 square miles						
SPATIAL LOCATION:	Middle site						
TOTAL NO. STORMS OVER 0.1 INCH:	4						
MAX. DAILY RAINFALL:	1.7 inches						
TOTAL RAINFALL (FOR PERIOD):	3.9 inches						



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

REPORT GENERATED ON 2/8/2024

**Continuous Water Quality
Monitoring Periodic Report**

Gills Creek B (November 8, 2023 - December 18, 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	
	11/16/2023		11/21/2023		11/21/2023		11/21/2023	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	13:35	126	11:15	4560	12:06	3,130	13:47	2,710
Total Suspended Solids (mg/L)			11:15	43.6				
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

Sample 1 was collected during dry weather conditions. Samples 2 - 4 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:

Specific conductivity increased on 11/21 and 12/4 through 12/12 , which may have been the result of potential illicit discharges.

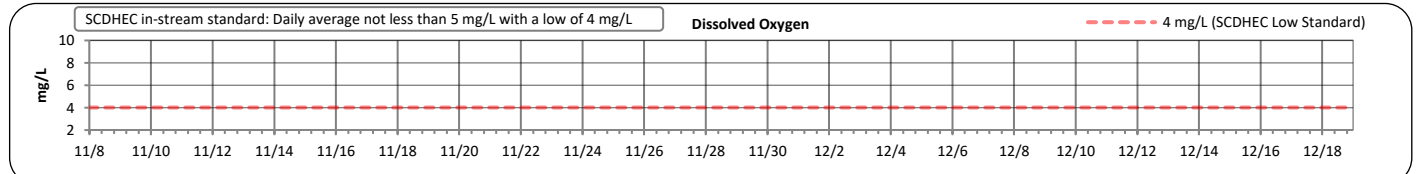
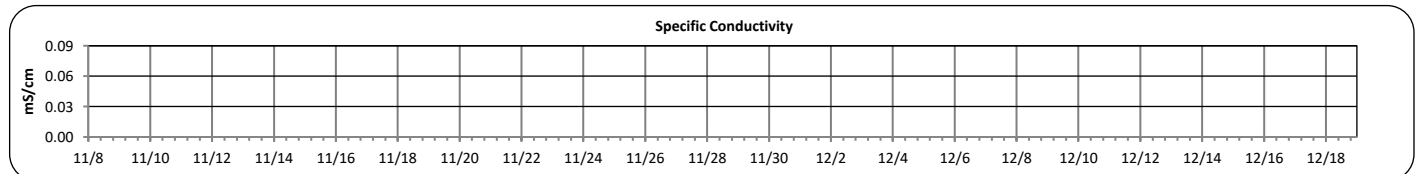
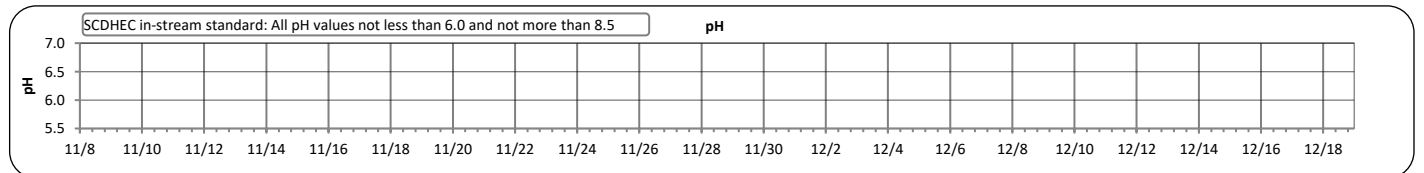
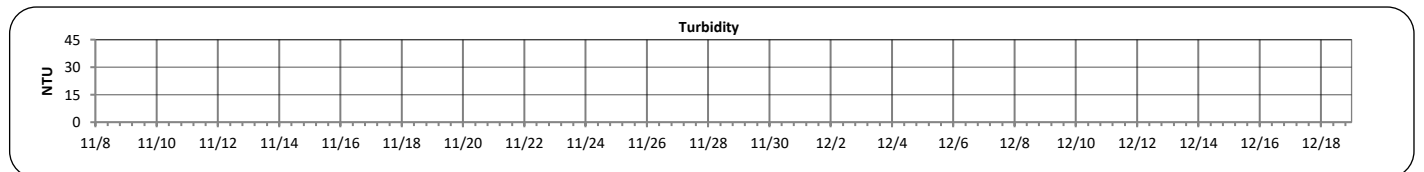
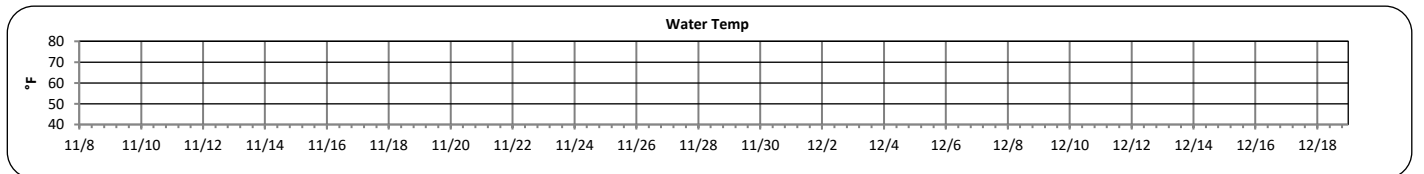
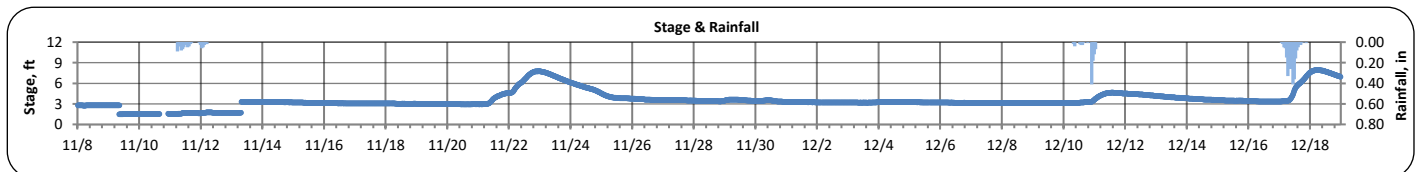
Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

REPORT GENERATED ON 2/8/2024

Continuous Water Quality Monitoring Periodic Report

Gills Creek C (November 8, 2023 - December 18, 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):	1.5	8.0	3.3	3.6	1.3
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:	0.87 inches						
TOTAL RAINFALL (FOR PERIOD):	1.7 inches						



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

REPORT GENERATED ON 2/8/2023

**Continuous Water Quality
Monitoring Periodic Report**

Gills Creek C (November 8, 2023 - December 18, 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	
	11/16/2023		11/21/2023		11/21/2023		11/21/2023	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	11:45	62	10:45	990	11:49	6,900	14:00	3,570
Total Suspended Solids (mg/L)			10:45	16.4				
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

Sample 1 was collected during dry weather conditions. Samples 2 - 4 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. There was a data gap in rainfall data from 11/13 - 12/7 due to instrument malfunction.

Potential Illicit Discharges and Abnormal Events:

N/A

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

REPORT GENERATED ON 2/8/2024