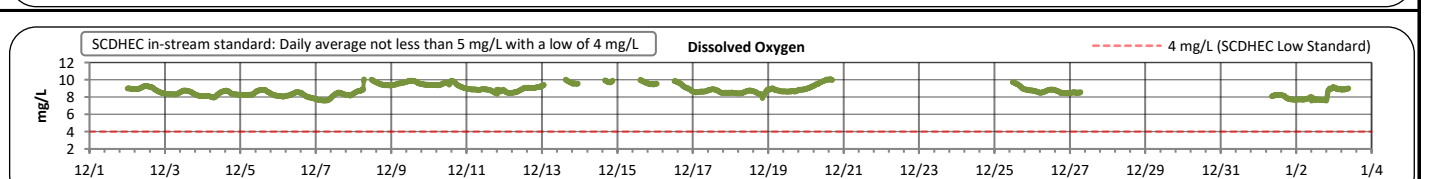
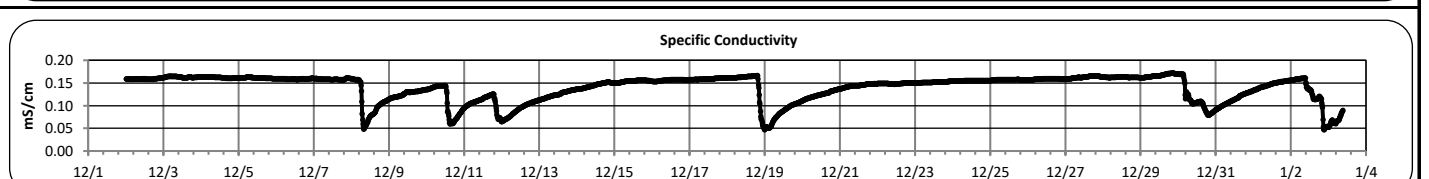
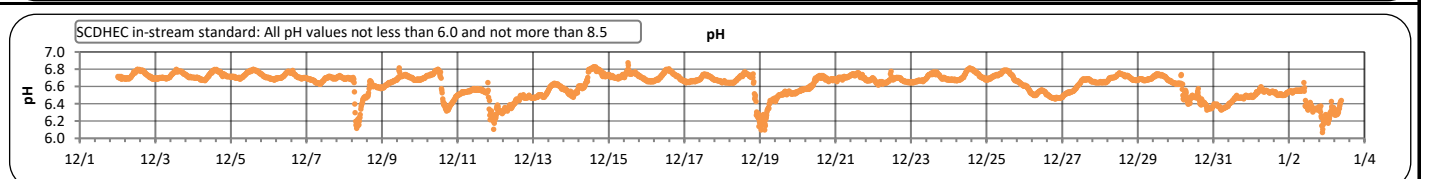
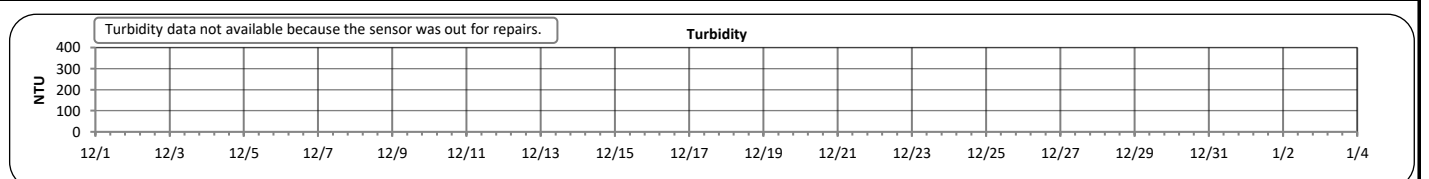
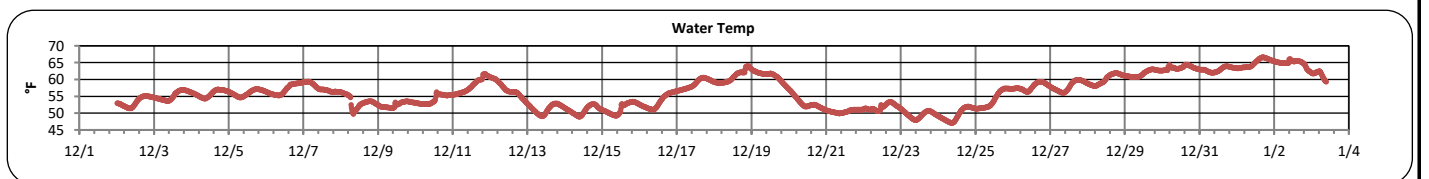
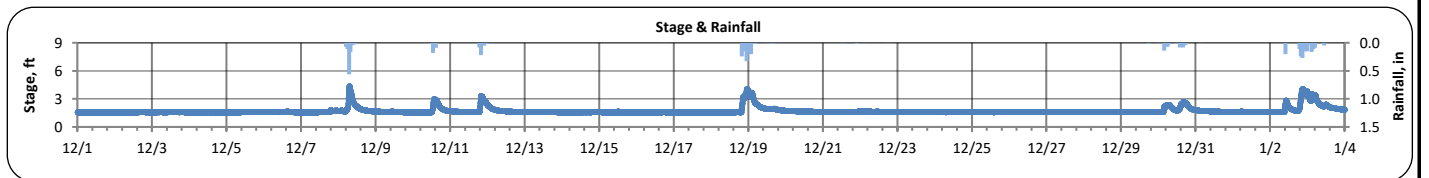


Continuous Water Quality Monitoring Periodic Report

Smith Branch 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:	Smith Branch	STAGE (FT):	1.5	4.4	1.6	1.7	0.4
LOCATION:	Earlewood Park	TEMPERATURE (°F):	47	67	56	56	5
ADDRESS:	1111 Parkside Dr Columbia, SC 29201	TURBIDITY (NTU):	-	-	-	-	-
COORDINATES:	34.027289,-81.04265	pH:	6.1	6.9	6.7	6.6	0.1
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.047	0.171	0.154	0.140	0.028
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	7.6	10.1	8.7	8.8	0.6
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	8						
MAX. DAILY RAINFALL:	1.3 inches						
TOTAL RAINFALL (FOR PERIOD):	5.7 inches						



**Continuous Water Quality
Monitoring Periodic Report**

Smith Branch 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		12/20/2021	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	9:08	7,746	10:49	5,446	12:11	4,978	13:33	538
Total Suspended Solids (mg/L)	9:08	175.0	10:49	54	12:11	29	13:30	3.8
Total Phosphorus (mg/L)	9:08	0.49	10:49	0.31	12:11	0.25		
Total Nitrogen (mg/L)	9:08	2.24	10:49	1.64	12:11	1.46		

All samples were collected during wet weather conditions.

Notes:

Data Gaps

- DO data was removed on December 13th, 14th, 15th, 16th, 19th - 25th, and December 27th to January 1st, because the sensor collected erroneous data due to fouling.
- Turbidity data was not collected during the monitoring period, because the sensor was broken.

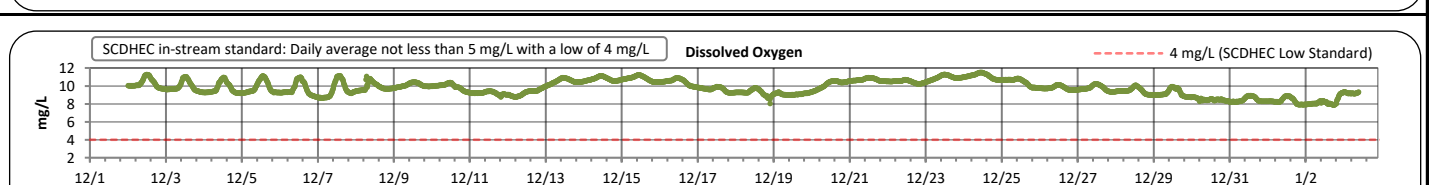
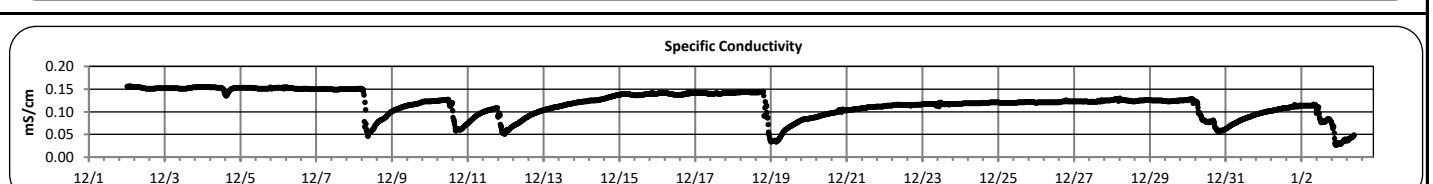
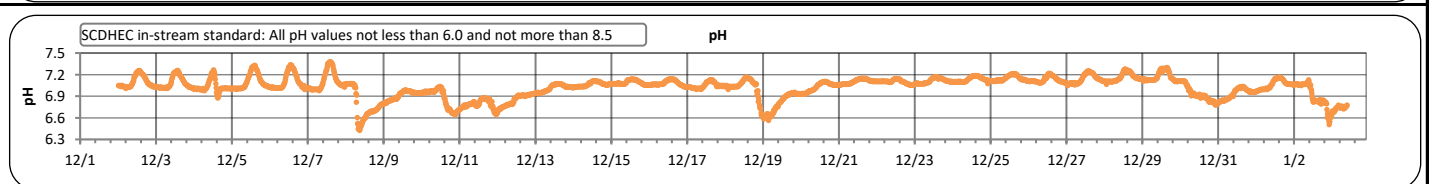
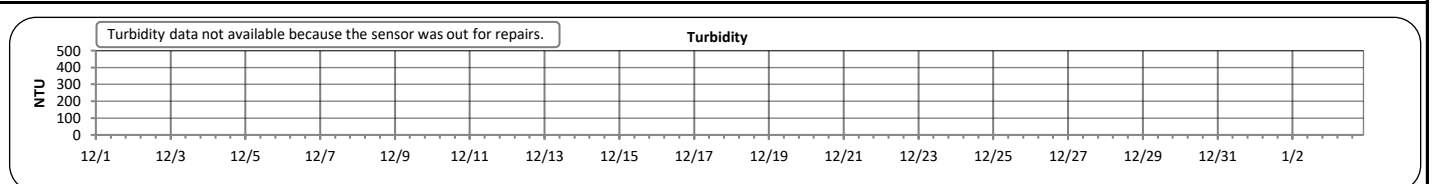
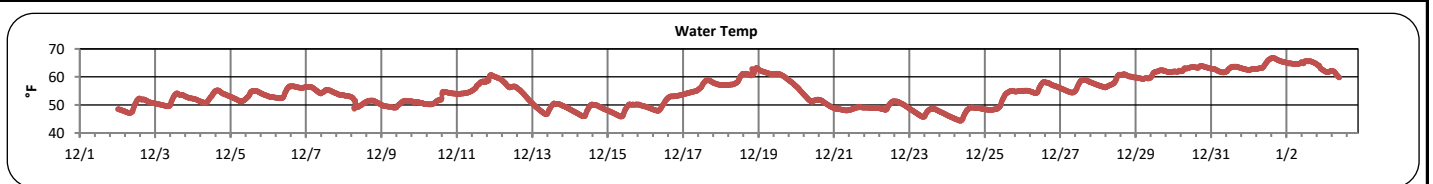
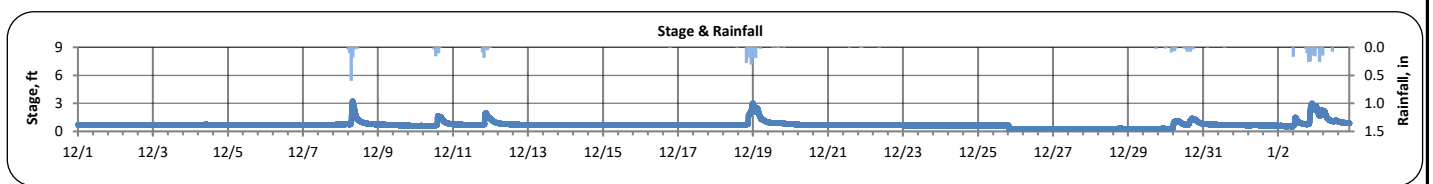
Potential Illicit Discharges and Abnormal Events:

There were no abnormal events at the SMIA station during the monitoring period.

Continuous Water Quality Monitoring Periodic Report

Smith Branch 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:	Smith Branch	STAGE (FT):	0.3	3.3	0.7	0.7	0.3
LOCATION:	Off Mountain Drive	TEMPERATURE (°F):	44	67	54	55	5
NEAREST ADDRESS:	3950 Clement Rd Columbia, SC 29203	TURBIDITY (NTU):	-	-	-	-	-
COORDINATES:	34.037933,-81.0591	pH:	6.4	7.4	7.1	7.0	0.1
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.026	0.156	0.121	0.117	0.028
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	7.9	11.5	9.8	9.8	0.8
SPATIAL LOCATION:	Most Downstream Site						
TOTAL NO. STORMS OVER 0.1 INCH:	8						
MAX. DAILY RAINFALL:	1.3 inches						
TOTAL RAINFALL (FOR PERIOD):	5.8 inches						



**Continuous Water Quality
Monitoring Periodic Report**

Smith Branch 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			
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	9:23	9,222	10:35	9,768	12:35	7,746		
Total Suspended Solids (mg/L)	9:23	194	10:35	162	12:35	61		
Total Phosphorus (mg/L)	9:23	0.53	10:35	0.46	12:35	0.29		
Total Nitrogen (mg/L)	9:23	2.17	10:35	2.11	12:35	1.75		

All samples were taken during wet weather conditions.

Notes:

Data Gaps

Turbidity data was not collected during the monitoring period, because the sensor was broken. There were no other data gaps at the SMIB station.

Potential Illicit Discharges and Abnormal Events:

There were no abnormal events at the SMIB station during the monitoring period.