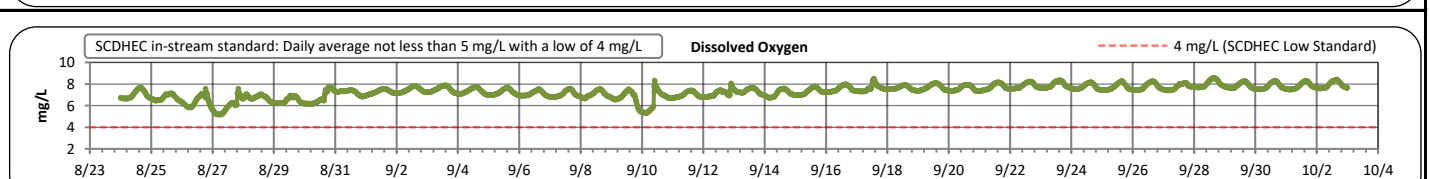
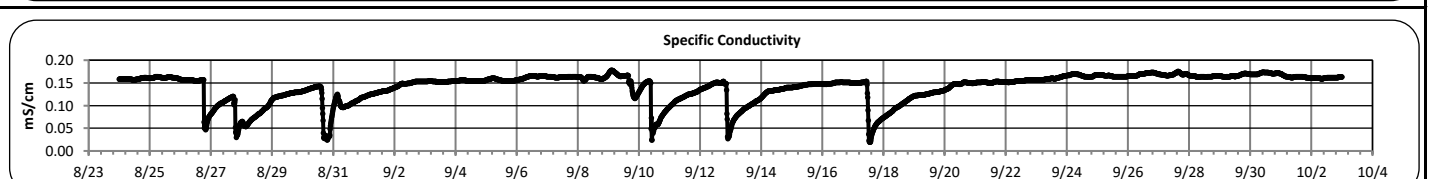
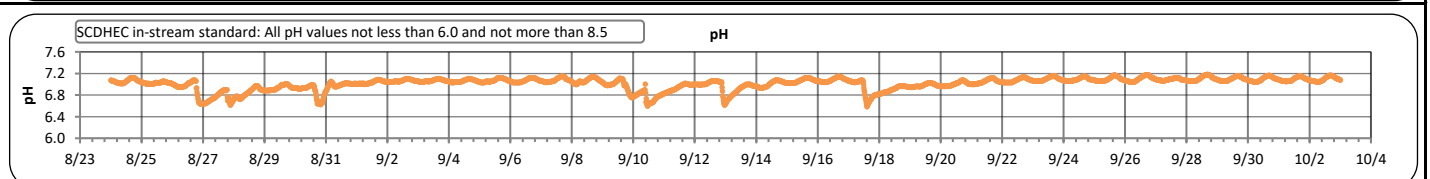
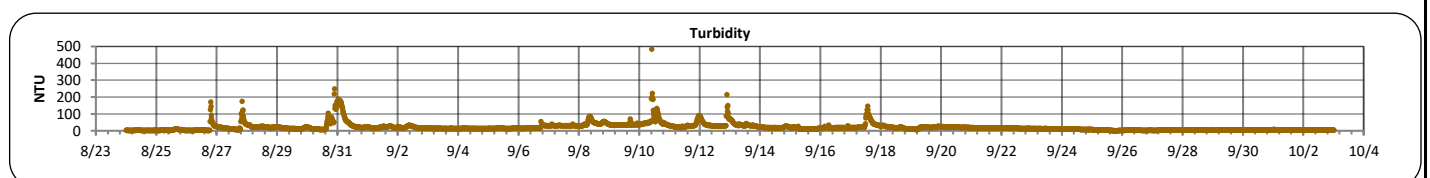
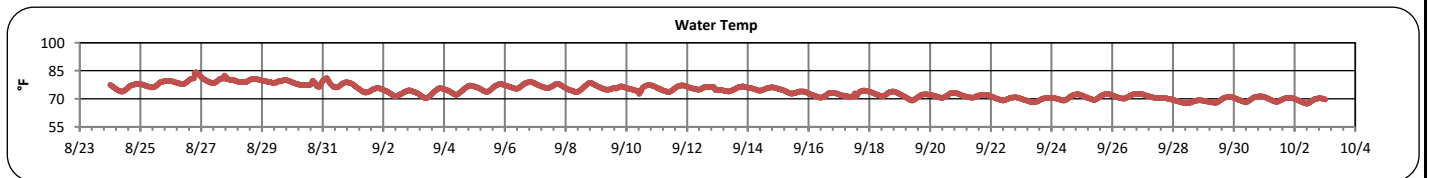
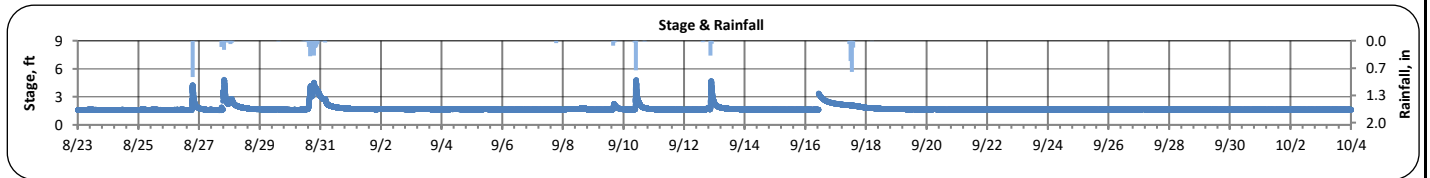


Continuous Water Quality Monitoring Periodic Report

Smith Branch A (August 23, 2023 - October 3, 2023)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Smith Branch	STAGE (FT):	1.6	4.8	1.7	1.7	0.3
LOCATION:	Earlewood Park	TEMPERATURE (°F):	67	84	74	74	3
ADDRESS:	1111 Parkside Dr Columbia, SC 29201	TURBIDITY (NTU):	1	485	16	21	24
COORDINATES:	34.027289,-81.04265	pH:	6.6	7.2	7.1	7.0	0.1
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.019	0.178	0.153	0.142	0.031
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	5.2	8.6	7.4	7.3	0.6
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	7						
MAX. DAILY RAINFALL:	1.7 inches						
TOTAL RAINFALL (FOR PERIOD):	0.4 inches						



**Continuous Water Quality
Monitoring Periodic Report**

Smith Branch A (August 23, 2023 - October 3, 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: All grab samples were collected during wet weather conditions.

Analyte (units)	Sample 1		Sample 2		Sample 3			
	8/30/2023		8/30/2023		8/30/2023			
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	12:10	630	14:20	1,820	15:45	> 48,392		
Total Suspended Solids (mg/L)	12:10	14.9	14:20	5.1	15:45	120		
Total Phosphorus (mg/L)	12:10	0.079	14:20	0.10	15:45	0.18		
Total Nitrogen (mg/L)	12:10	1.41	14:20	1.64	15:45	1.54		

Notes:

Data Gaps

There were no data gaps at the SMIA station during this sampling period.

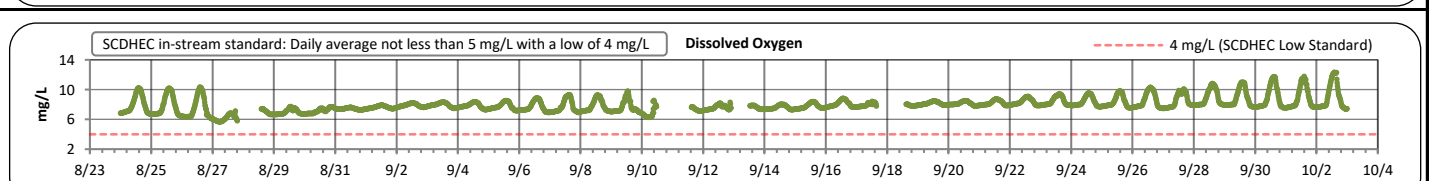
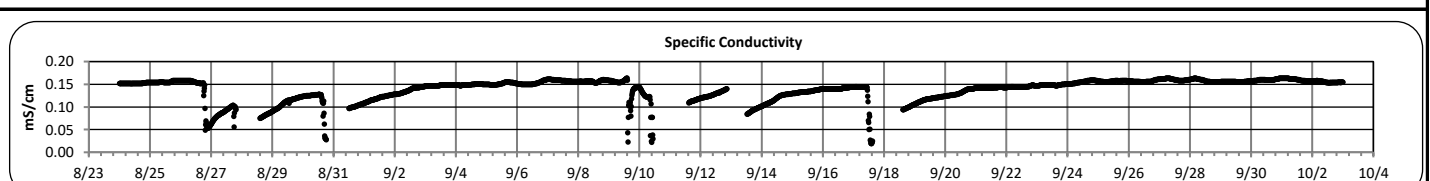
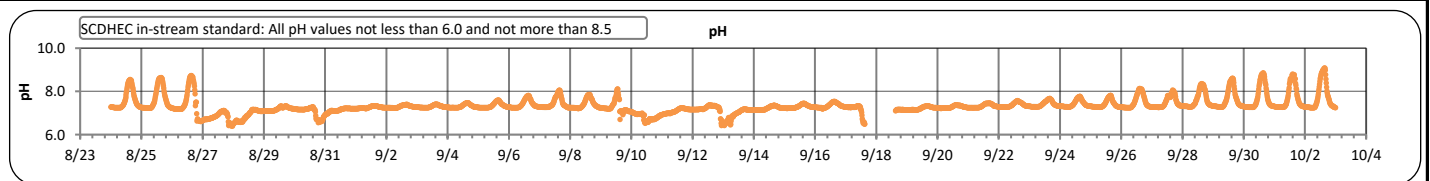
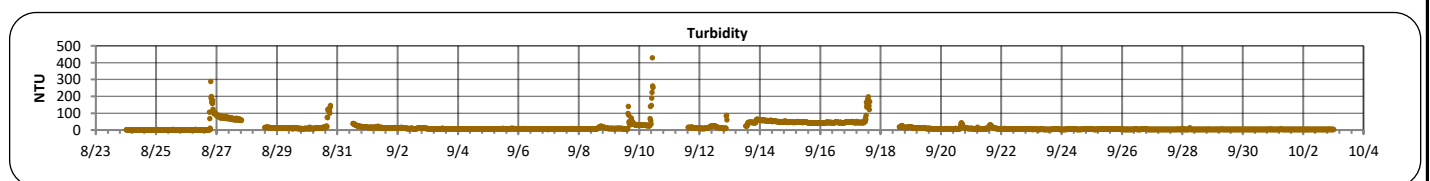
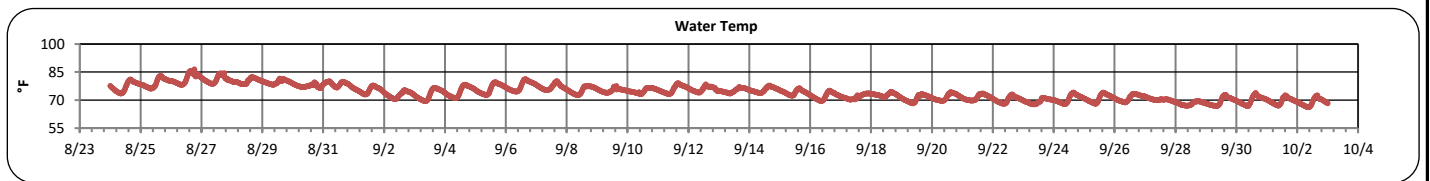
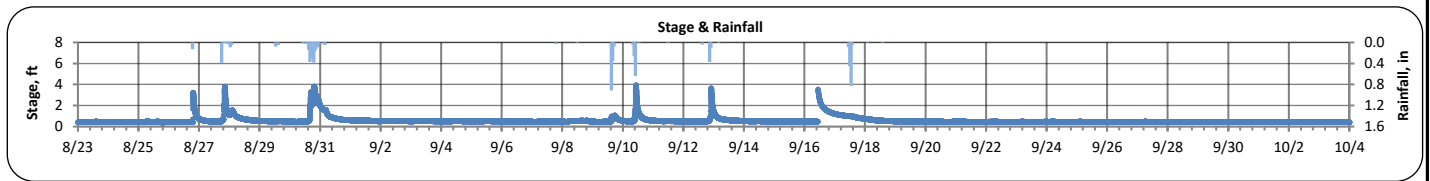
Potential Illicit Discharges and Abnormal Events:

There were no abnormal events during this monitoring period.

Continuous Water Quality Monitoring Periodic Report

Smith Branch B (August 23, 2023 - October 3, 2023)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Smith Branch	STAGE (FT):	0.4	4.0	0.5	0.6	0.4
LOCATION:	Off Mountain Drive	TEMPERATURE (°F):	66	87	74	74	4
NEAREST ADDRESS:	3950 Clement Rd Columbia, SC 29203	TURBIDITY (NTU):	2	430	8	17	24
COORDINATES:	34.037933,-81.0591	pH:	6.4	9.1	7.3	7.3	0.4
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.019	0.164	0.148	0.139	0.023
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	5.7	12.4	7.9	8.0	1.0
SPATIAL LOCATION:	Most Downstream Site						
TOTAL NO. STORMS OVER 0.1 INCH:	8						
MAX. DAILY RAINFALL:	1.8 inches						
TOTAL RAINFALL (FOR PERIOD):	0.4 inches						



**Continuous Water Quality
Monitoring Periodic Report**

Smith Branch B (August 23, 2023 - October 3, 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: All grab samples were collected during wet weather conditions.

Analyte (units)	Sample 1		Sample 2		Sample 3			
	8/30/2023		8/30/2023		8/30/2023			
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	11:30	292	14:40	7,750	16:00	18,400		
Total Suspended Solids (mg/L)	11:30	7.5	14:40	43.0	16:00	171		
Total Phosphorus (mg/L)	11:30	0.082	14:40	0.11	16:00	0.28		
Total Nitrogen (mg/L)	11:30	1.02	14:40	1.00	16:00	2.12		

Notes:

Data Gaps

Turbidity, DO, and specific conductivity data were removed from 8/27 - 8/28, 9/10 - 9/11, 9/12-9/13, and 9/17 - 9/18 because the sensors were buried under sediment. In addition, pH data was removed from 9/17 - 9/18 and specific conductivity and turbidity data were removed from 8/30 - 8/31 due to the sensors being buried under sediment.

Potential Illicit Discharges and Abnormal Events:

There were no abnormal events during this monitoring period.