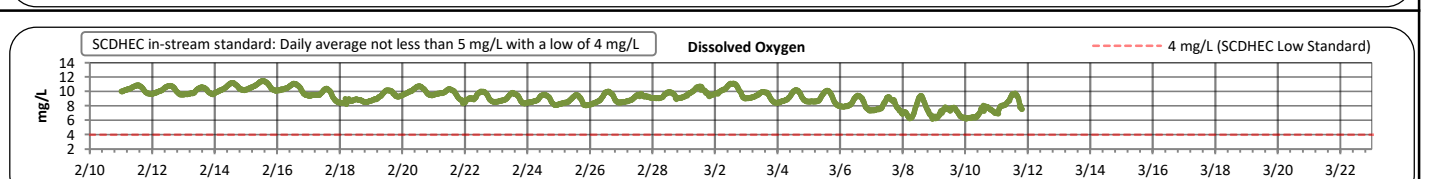
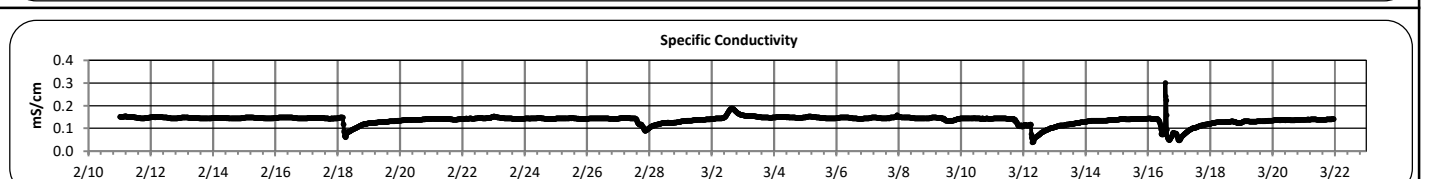
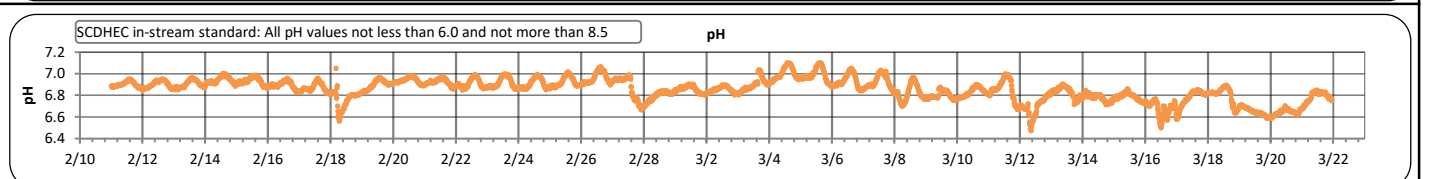
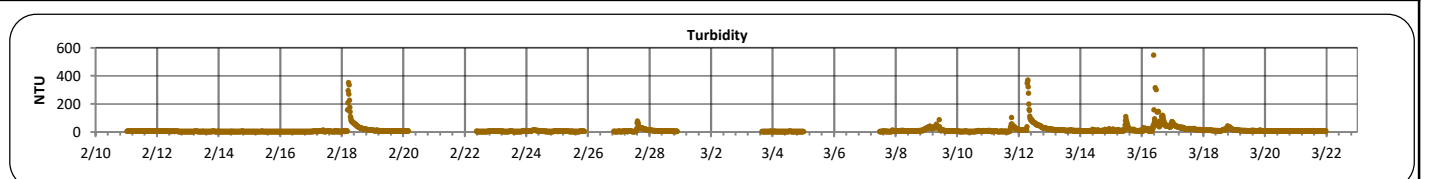
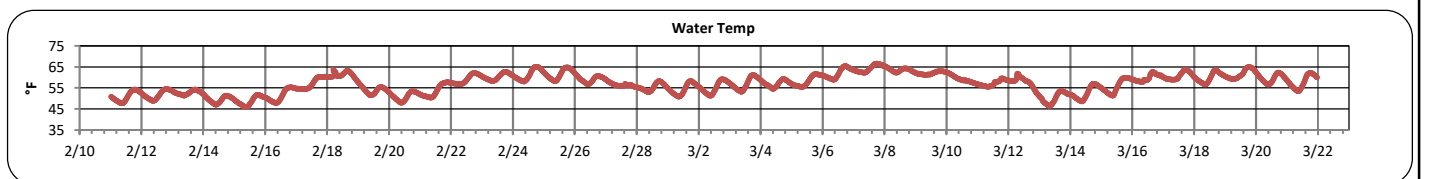
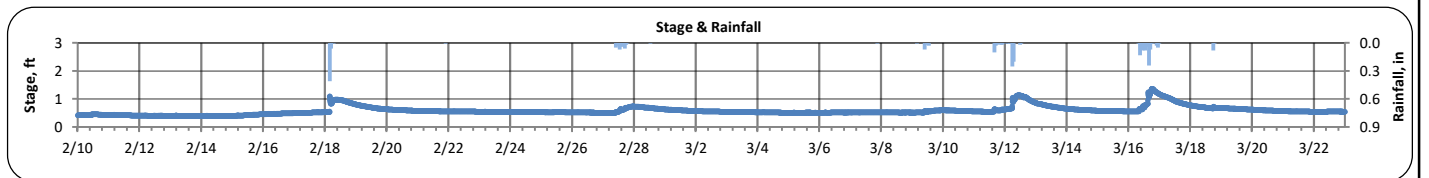


Continuous Water Quality Monitoring Periodic Report

Smith Branch A (February 10, 2022 - March 23, 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):	0.4	1.4	0.6	0.6	0.1
LOCATION:	Earlewood Park	TEMPERATURE (°F):	46	67	58	57	5
ADDRESS:	1111 Parkside Dr Columbia, SC 29201	TURBIDITY (NTU):	3	549	6	13	28
COORDINATES:	34.027289,-81.04265	pH:	6.5	7.1	6.9	6.9	0.1
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.039	0.301	0.143	0.137	0.019
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	6.2	11.5	9.4	9.2	1.1
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	5						
MAX. DAILY RAINFALL:	0.9 inches						
TOTAL RAINFALL (FOR PERIOD):	2.7 inches						



**Continuous Water Quality
Monitoring Periodic Report**

Smith Branch A (February 10, 2022 - March 23, 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	
	3/9/2022		3/16/2022		3/16/2022		3/16/2022	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	14:28	1,166	8:55	882	10:10	5,206	11:20	4,286
Total Suspended Solids (mg/L)	14:28	4.6	8:55	24.0	10:10	75.3	11:20	44.7
Total Phosphorus (mg/L)	14:28	0.06	8:55	0.10	10:10	0.22	11:20	0.13
Total Nitrogen (mg/L)	14:28	1.36	8:55	1.78	10:10	1.98	11:20	1.44

Analyte (units)	Sample 5		Sample 6		Sample 7		Sample 8	
	3/16/2022							
	Time	Results						
<i>Escherichia coli</i>	13:10	4,374						
Total Suspended Solids (mg/L)	13:10	25.8						
Total Phosphorus (mg/L)	13:10	0.098						
Total Nitrogen (mg/L)	13:10	1.12						

All samples were collected during wet weather conditions.

**Continuous Water Quality
Monitoring Periodic Report**

Smith Branch A (February 10, 2022 - March 23, 2022)

Notes:

Data Gaps

Dissolved oxygen data was removed on March 11th due to fouling. Turbidity data was removed from February 20th - 22th, February 25th - 26th, February 28th - March 3rd, and March 4th - 7th, because the sensor collected erroneous data due to fouling.

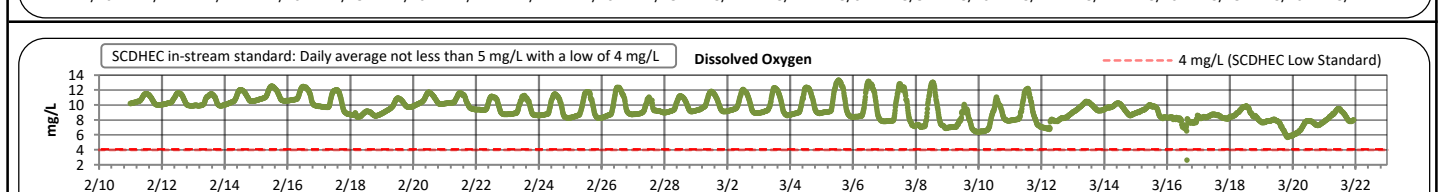
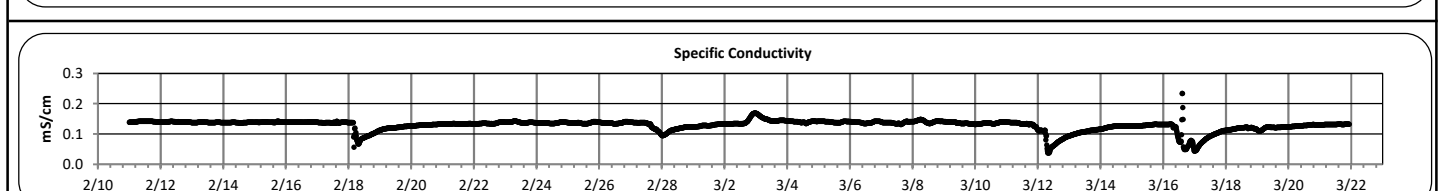
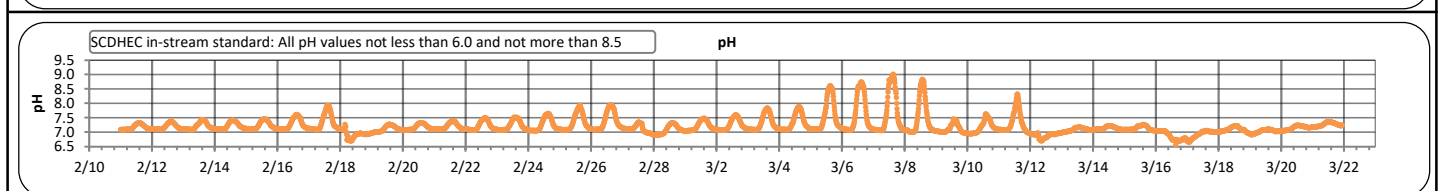
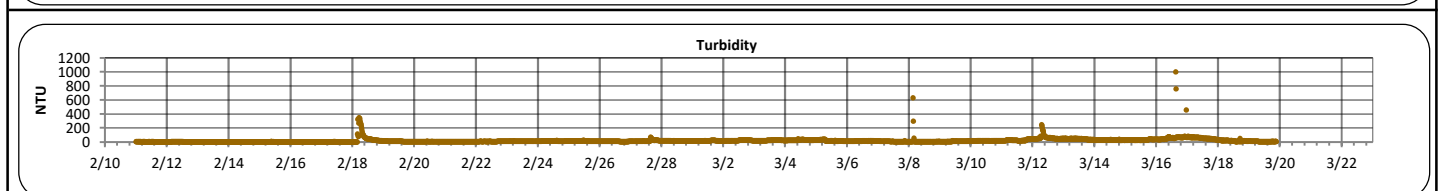
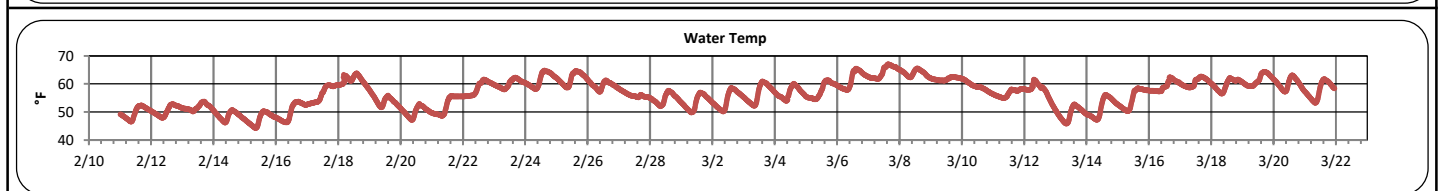
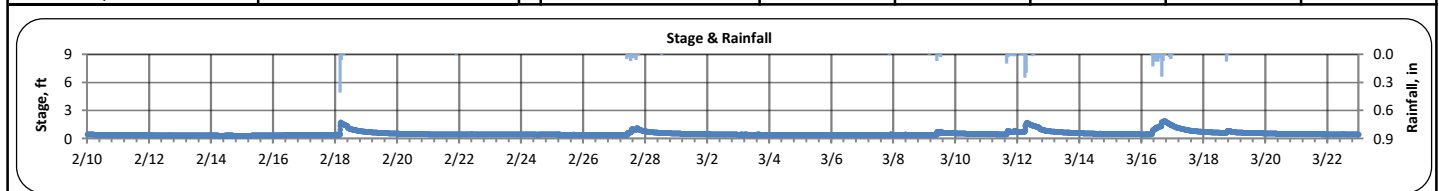
Potential Illicit Discharges and Abnormal Events:

The specific conductivity increased on March 16th, which may have been a result of illicit

Continuous Water Quality Monitoring Periodic Report

Smith Branch B (February 10, 2022 - March 23, 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	1.9	0.4	0.5	0.2
LOCATION:	Off Mountain Drive	TEMPERATURE (°F):	44	67	57	57	5
NEAREST ADDRESS:	3950 Clement Rd Columbia, SC 29203	TURBIDITY (NTU):	2	1000	12	20	34
COORDINATES:	34.037933,-81.0591	pH:	6.6	9.0	7.1	7.2	0.3
TMDL/IMPAIMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.037	0.234	0.135	0.129	0.018
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	2.7	13.4	9.4	9.5	1.5
SPATIAL LOCATION:	Most Downstream Site						
TOTAL NO. STORMS OVER 0.1 INCH:	5						
MAX. DAILY RAINFALL:	0.9 inches						
TOTAL RAINFALL (FOR PERIOD):	2.7 inches						



**Continuous Water Quality
Monitoring Periodic Report**

Smith Branch B (February 10, 2022 - March 23, 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	
	2/21/2022		3/9/2022		3/16/2022		3/16/2022	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	13:17	86	14:55	456	8:35	1976	10:00	634
Total Suspended Solids (mg/L)	13:16	ND	14:55	3.3	8:35	8.1	10:00	33.8
Total Phosphorus (mg/L)			14:55	0.04	8:35	0.11	10:00	0.10
Total Nitrogen (mg/L)			14:55	1.10	8:35	1.39	10:00	1.34

Analyte (units)	Sample 5		Sample 6		Sample 7			
	3/16/2022		3/16/2022		3/21/2022			
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	11:10	5818	13:00	9222	13:21	220		
Total Suspended Solids (mg/L)	11:10	81.0	13:00	33.7	13:20	1.3		
Total Phosphorus (mg/L)	11:10	0.21	13:00	0.12				
Total Nitrogen (mg/L)	11:10	2.22	13:00	1.34				

Samples 1 and 7 were collected during dry weather conditions. Samples 2-6 were collected during wet weather conditions.

**Continuous Water Quality
Monitoring Periodic Report**

Smith Branch B (February 10, 2022 - March 23, 2022)

Notes:

Data Gaps

There were no data gaps at the SMIB station during this monitoring period.

Potential Illicit Discharges and Abnormal Events:

Specific conductivity increased on March 16th, which may have been a result of illicit discharges.