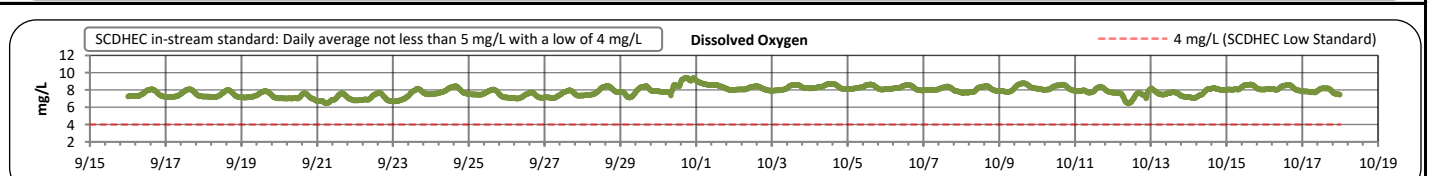
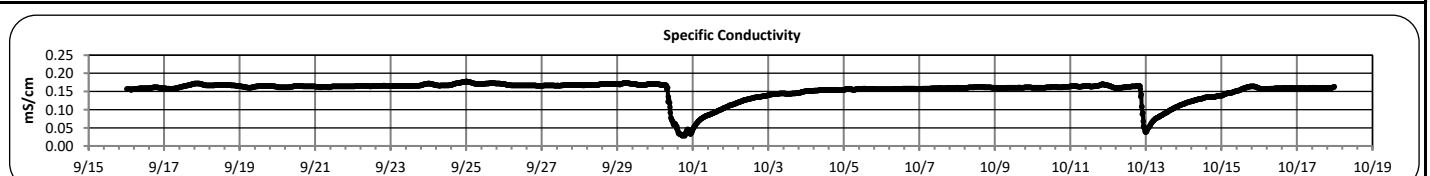
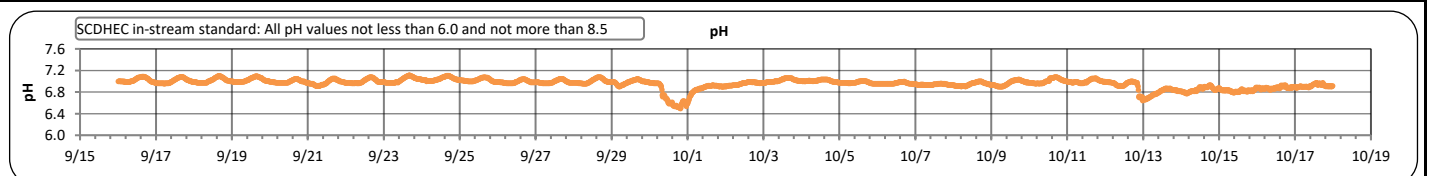
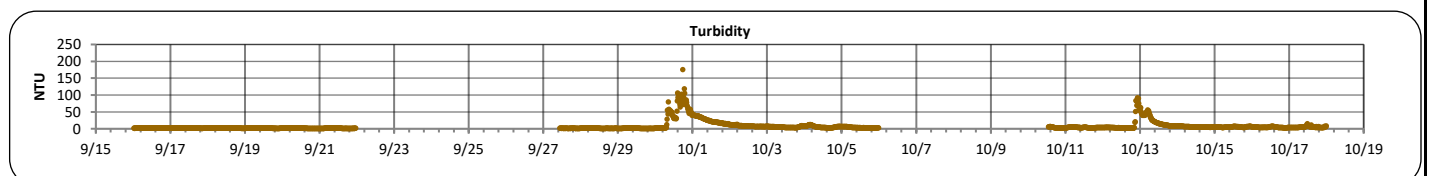
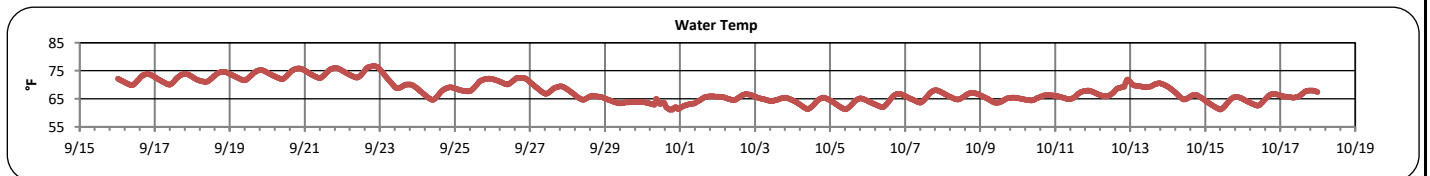
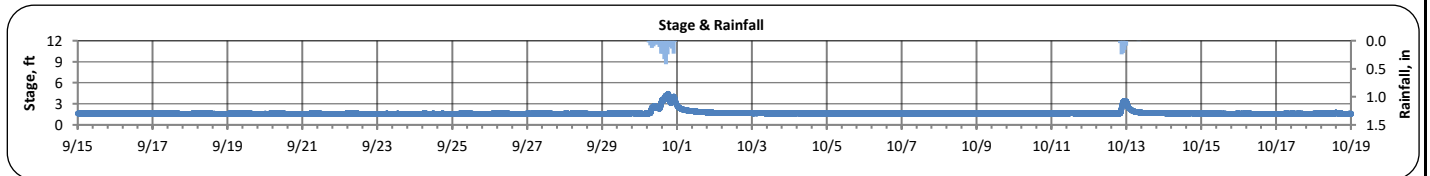


# Continuous Water Quality Monitoring Periodic Report

Smith Branch A (Septemeber 15, 2022 - October 18, 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):	1.6	4.5	1.6	1.7	0.3
LOCATION:	Earlewood Park	TEMPERATURE (°F):	61	77	67	68	4
ADDRESS:	1111 Parkside Dr Columbia, SC 29201	TURBIDITY (NTU):	1	176	4	8	14
COORDINATES:	34.027289,-81.04265	pH:	6.5	7.1	7.0	7.0	0.1
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.028	0.178	0.162	0.153	0.026
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	6.5	9.5	7.9	7.8	0.5
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	2						
MAX. DAILY RAINFALL:	2.6 inches						
TOTAL RAINFALL (FOR PERIOD):	0.4 398.000						



**Continuous Water Quality  
Monitoring Periodic Report**

**Smith Branch A (Septemeber 15, 2022 - October 18, 2022)**

**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		Sample 4	
	9/30/3022		9/30/3022		9/30/3022		9/30/3022	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	8:27	10,950	10:17	12,260	12:00	17,330	13:31	9,222
Total Suspended Solids (mg/L)	8:27	70.4	10:17	44.0	12:00	24.6	13:31	84.8
Total Phosphorus (mg/L)	8:27	0.41	10:17	0.26	12:00	0.20	13:31	0.26
Total Nitrogen (mg/L)	8:27	2.61	10:17	1.80	12:00	1.51	13:31	1.63

All samples were collected during wet weather conditions.

**Notes:**

Data Gaps

There was a gap in turbidity from 9/21 - 9/27 and 10/5 - 10/10 at the SMIA station due to fouling.

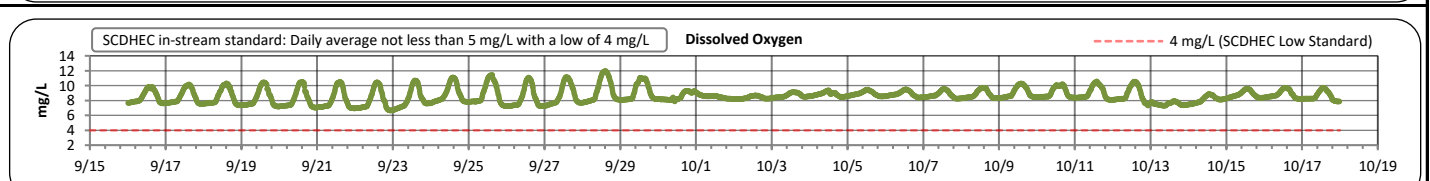
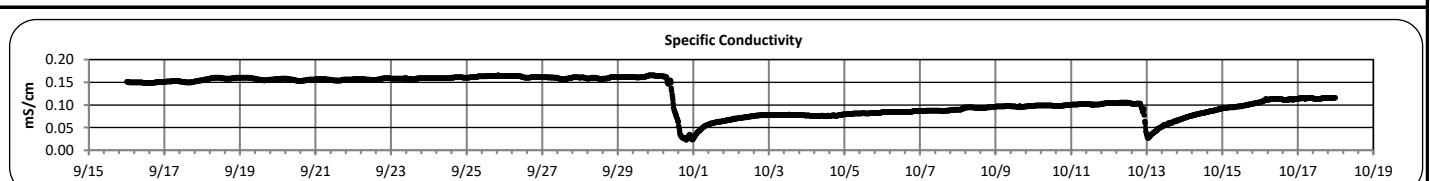
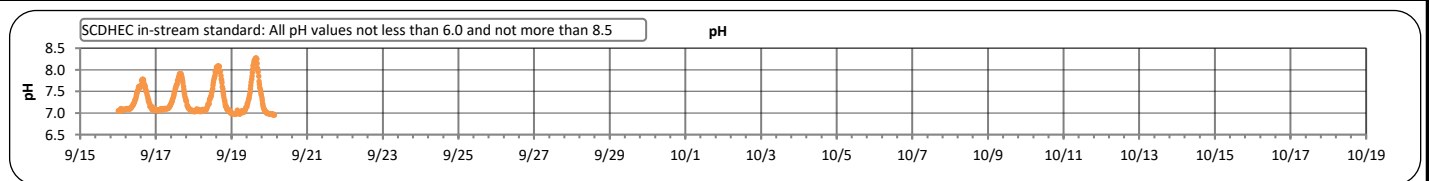
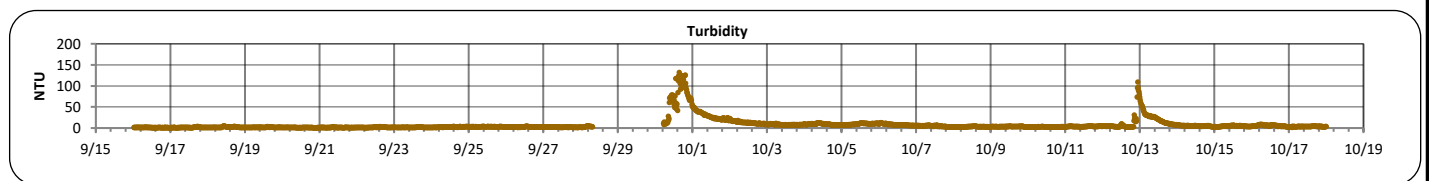
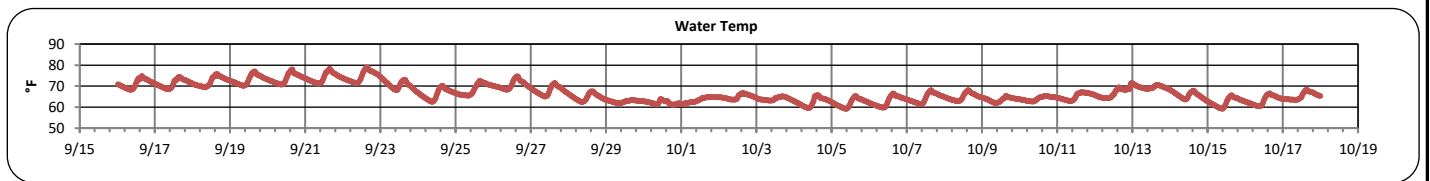
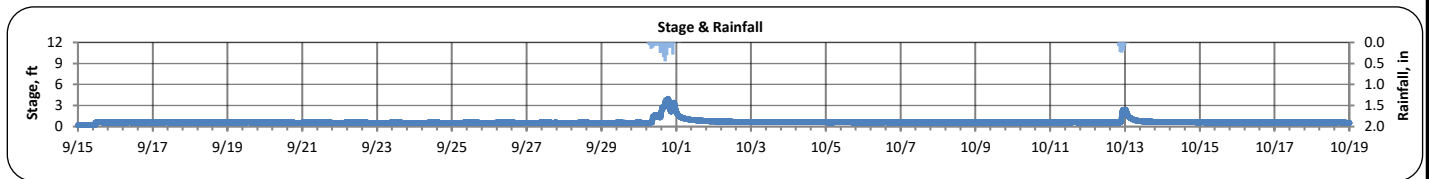
Potential Illicit Discharges and Abnormal Events:

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

# Continuous Water Quality Monitoring Periodic Report

Smith Branch B (Septemeber 15, 2022 - October 18, 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):	0.2	4.0	0.6	0.7	0.3
LOCATION:	Off Mountain Drive	TEMPERATURE (°F):	59	79	66	67	4
NEAREST ADDRESS:	3950 Clement Rd Columbia, SC 29203	TURBIDITY (NTU):	1	133	4	8	14
COORDINATES:	34.037933,-81.0591	pH:	7.0	8.3	7.1	7.3	0.3
TMDL/IMPAIRED:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.023	0.165	0.112	0.119	0.038
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	6.7	12.0	8.5	8.6	1.0
SPATIAL LOCATION:	Most Downstream Site						
TOTAL NO. STORMS OVER 0.1 INCH:	2						
MAX. DAILY RAINFALL:	2.9 inches						
TOTAL RAINFALL (FOR PERIOD):	0.4 398.000						



**Continuous Water Quality  
Monitoring Periodic Report**

**Smith Branch B (Septemeber 15, 2022 - October 18, 2022)**

**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		Sample 4	
	9/30/3022		9/30/3022		9/30/3022		9/30/3022	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	8:43	4,488	10:43	17,330	12:21	12,260	13:48	7,308
Total Suspended Solids (mg/L)	8:43	89.2	10:43	81.6	12:21	32.9	13:48	25.7
Total Phosphorus (mg/L)	8:43	0.28	10:43	0.34	12:21	0.23	13:48	0.2
Total Nitrogen (mg/L)	8:43	2.71	10:43	2.19	12:21	1.74	13:48	1.43

All samples were collected during wet weather conditions.

**Notes:**

Data Gaps

There was a data gap in pH from 9/20 through the end of deployment due to sensor repairs, as well as a gap in turbidity from 9/28-9/30 due to fouling on the sensor.

Potential Illicit Discharges and Abnormal Events:

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