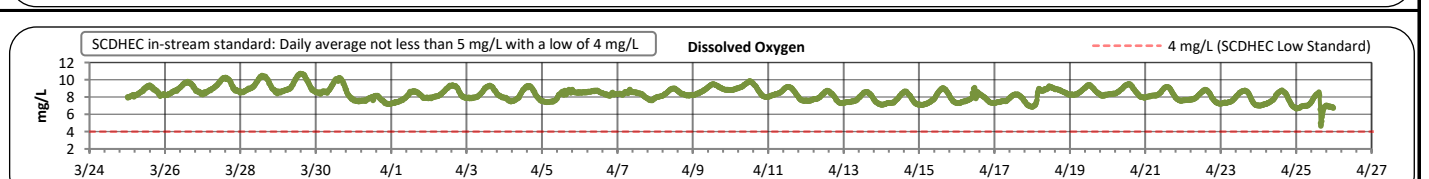
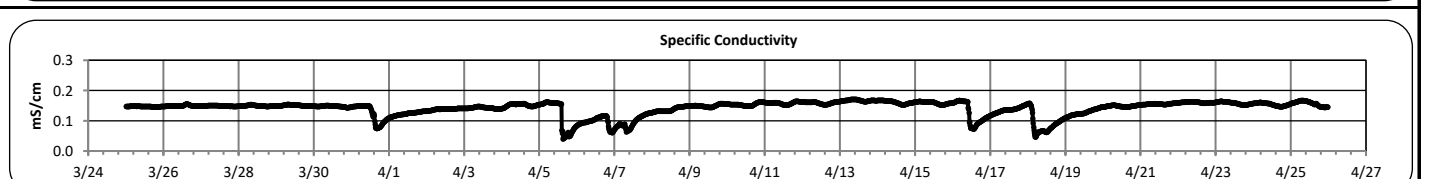
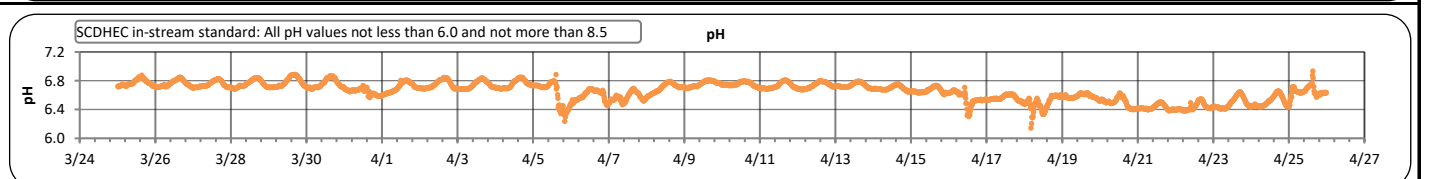
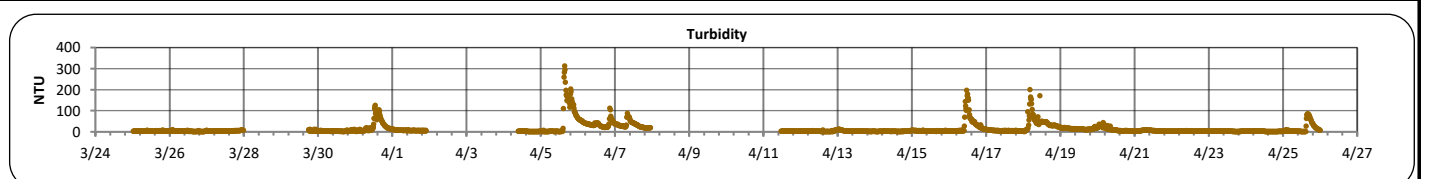
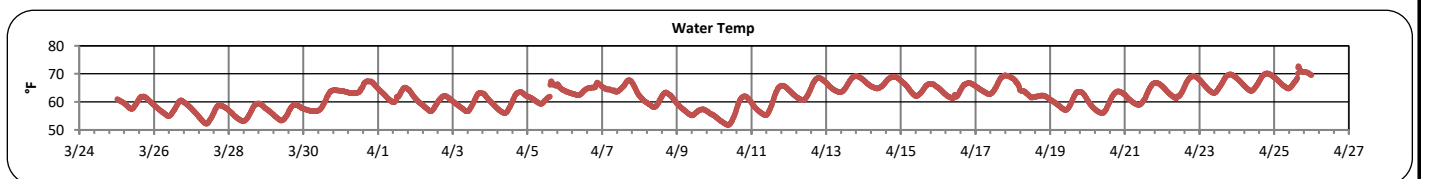
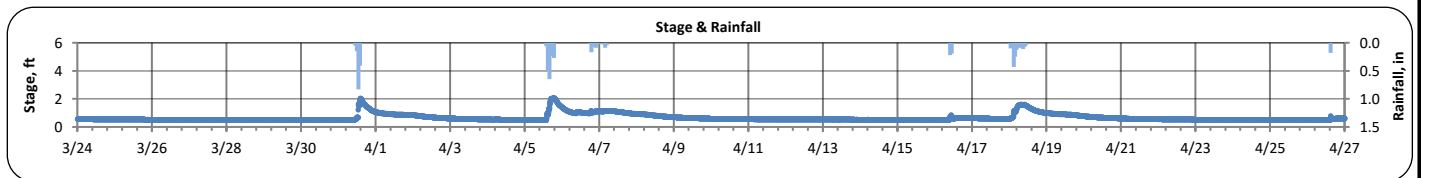


# Continuous Water Quality Monitoring Periodic Report

Smith Branch A (March 24, 2022 - April 27, 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):	0.5	2.1	0.5	0.7	0.2
LOCATION:	Earlewood Park	TEMPERATURE (°F):	52	73	62	62	4
ADDRESS:	1111 Parkside Dr Columbia, SC 29201	TURBIDITY (NTU):	2	314	5	15	28
COORDINATES:	34.027289,-81.04265	pH:	6.2	6.9	6.7	6.7	0.1
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.040	0.171	0.149	0.142	0.024
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	4.7	10.8	8.4	8.4	0.8
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	6						
MAX. DAILY RAINFALL:	1.9 inches						
TOTAL RAINFALL (FOR PERIOD):	5.9 inches						



**Continuous Water Quality  
Monitoring Periodic Report**

**Smith Branch A (March 24, 2022 - April 27, 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:** There were no data samples collected for this monitoring period.

Analyte (units)								
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)								
Total Suspended Solids (mg/L)								
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

**Notes:**

Data Gaps

Turbidity data was removed from March 27th - 29th, April 1st - 4th, and April 7th - April 11th, because the sensor collected erroneous data due to fouling.

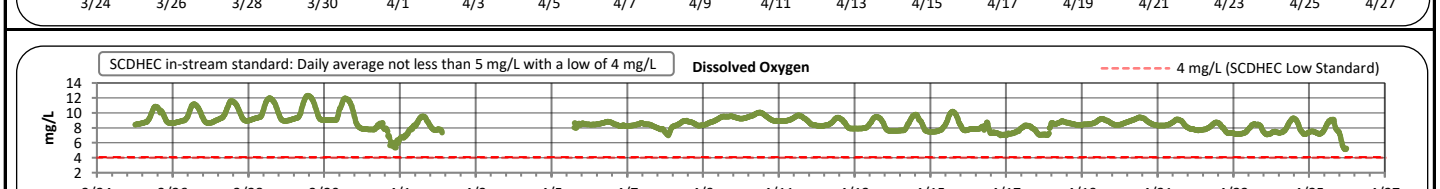
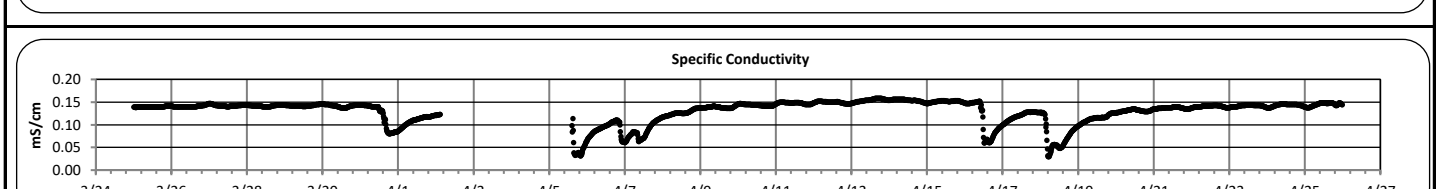
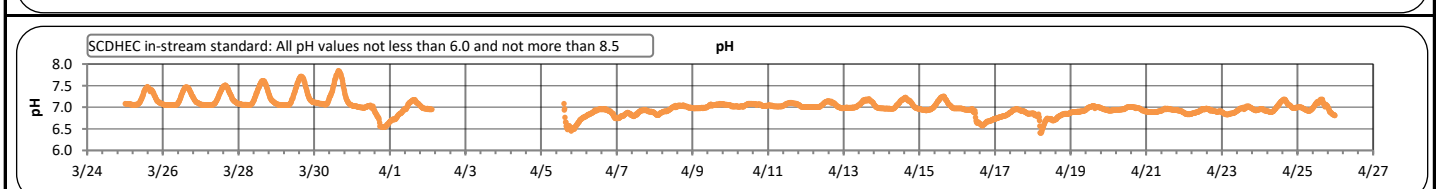
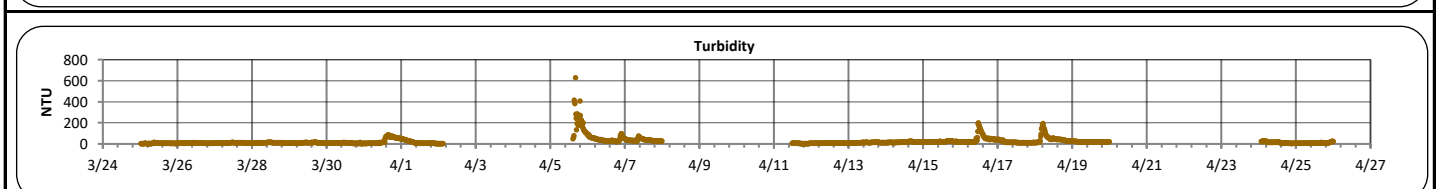
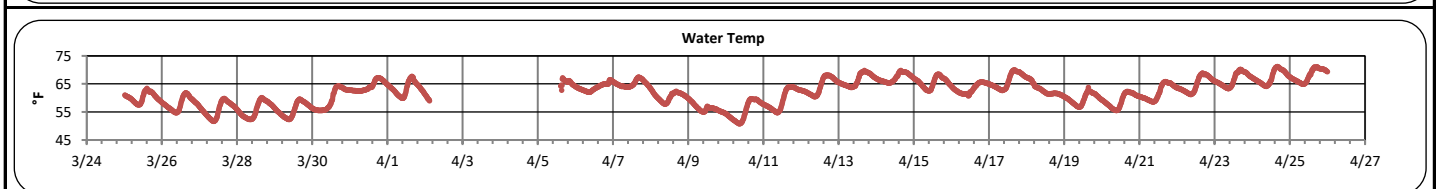
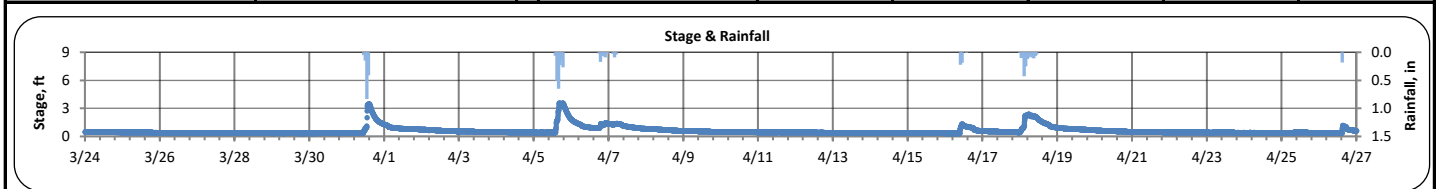
Potential Illicit Discharges and Abnormal Events:

There were no indications of potential illicit discharges or abnormal events that occurred during this monitoring period.

# Continuous Water Quality Monitoring Periodic Report

Smith Branch B (March 24, 2022 - April 27, 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	3.6	0.5	0.6	0.4
LOCATION:	Off Mountain Drive	TEMPERATURE (°F):	51	71	63	62	5
NEAREST ADDRESS:	3950 Clement Rd Columbia, SC 29203	TURBIDITY (NTU):	4	631	14	24	36
COORDINATES:	34.037933,-81.0591	pH:	6.4	7.9	7.0	7.0	0.2
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.030	0.158	0.140	0.130	0.025
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	5.2	12.3	8.6	8.6	1.1
SPATIAL LOCATION:	Most Downstream Site						
TOTAL NO. STORMS OVER 0.1 INCH:	6						
MAX. DAILY RAINFALL:	1.9 inches						
TOTAL RAINFALL (FOR PERIOD):	5.9 inches						



**Continuous Water Quality  
Monitoring Periodic Report**

**Smith Branch B (March 24, 2022 - April 27, 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							
	4/22/2022							
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	9:43	3873.0						
Total Suspended Solids (mg/L)	9:43	2.1						
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

Sample 1 was collected during dry weather conditions.

**Notes:**

Data Gaps

Water temperature, turbidity, pH, specific conductivity, and dissolved oxygen all had a data gap from April 2nd - 5th because the sonde was unsubmerged. Turbidity also had data gaps from April 7th - 11th and April 19th - 24th due to sensor fouling.

Potential Illicit Discharges and Abnormal Events:

There were no indications of potential illicit discharges or abnormal events that occurred during this monitoring period.