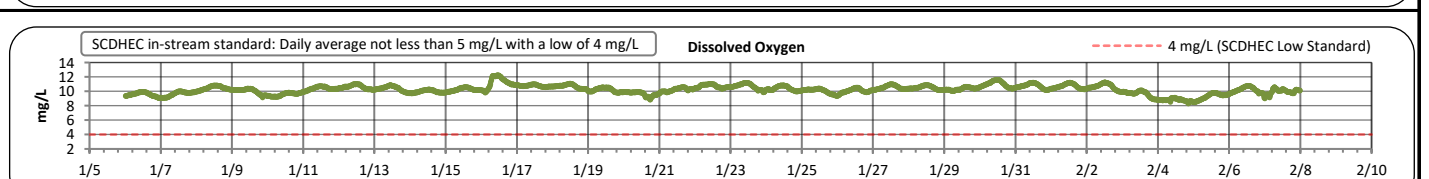
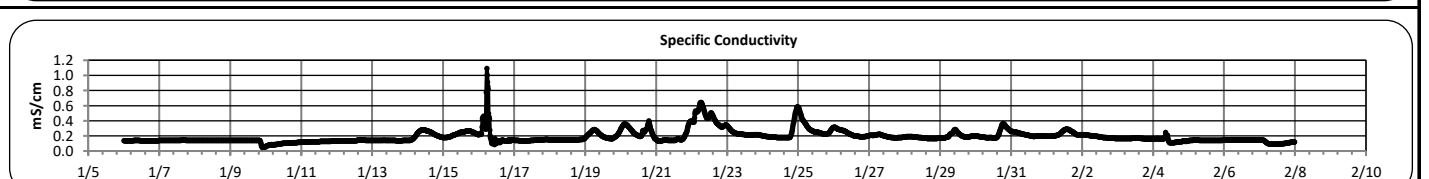
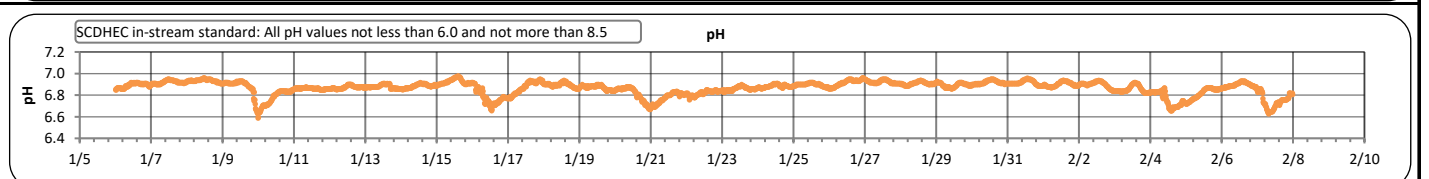
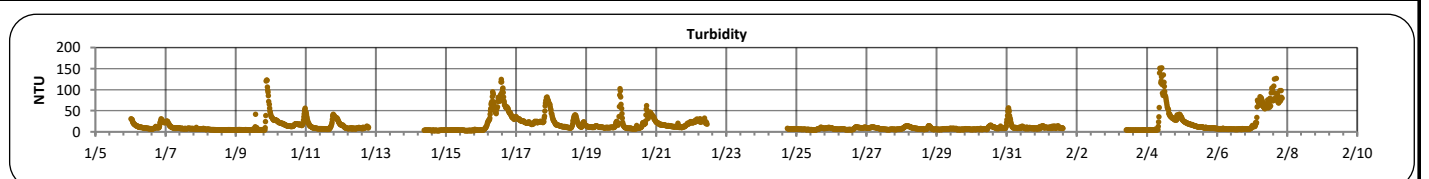
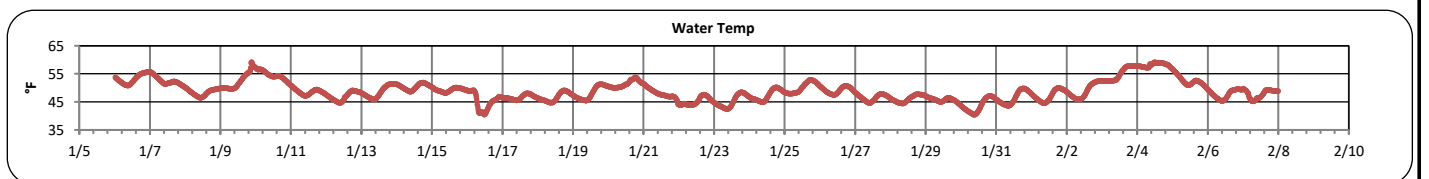
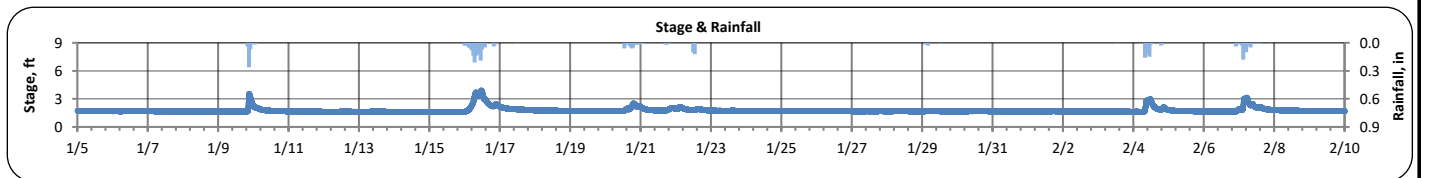


# Continuous Water Quality Monitoring Periodic Report

Smith Branch A (January 5, 2022 - February 9, 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	3.9	1.7	1.8	0.3
LOCATION:	Earlewood Park	TEMPERATURE (°F):	40	59	49	49	4
ADDRESS:	1111 Parkside Dr Columbia, SC 29201	TURBIDITY (NTU):	3.3	152.3	9.5	0.0	19.8
COORDINATES:	34.027289,-81.04265	pH:	6.6	7.0	6.9	6.9	0.1
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.048	1.091	0.168	0.191	0.086
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	8.3	12.3	10.3	10.3	0.6
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	6						
MAX. DAILY RAINFALL:	1.4 inches						
TOTAL RAINFALL (FOR PERIOD):	3.7 inches						



**Continuous Water Quality  
Monitoring Periodic Report**

**Smith Branch A (January 5, 2022 - February 9, 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	
	44581							
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	8:27	1,785						
Total Suspended Solids (mg/L)	8:26	2.5						
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

Sample 1 was collected during dry weather conditions.

**Notes:**

Data Gaps

Turbidity data was removed from January 11th - 14th, January 22nd - 24th, and February 1st - 3rd, because the sensor collected erroneous data due to fouling.

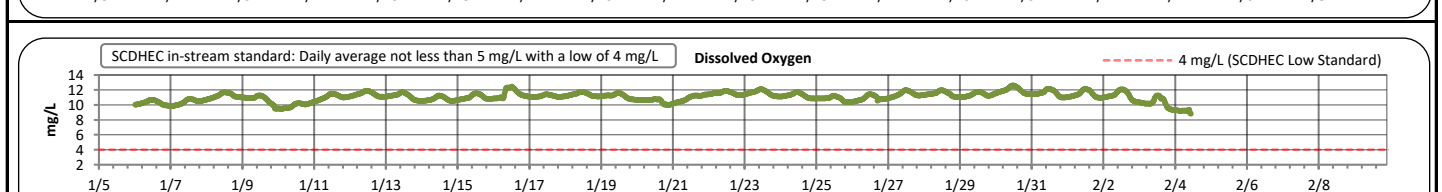
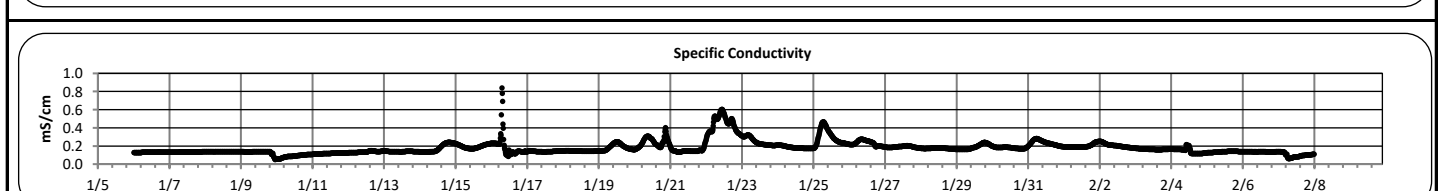
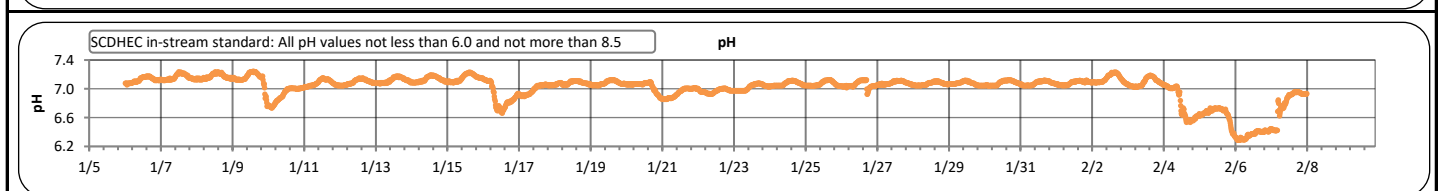
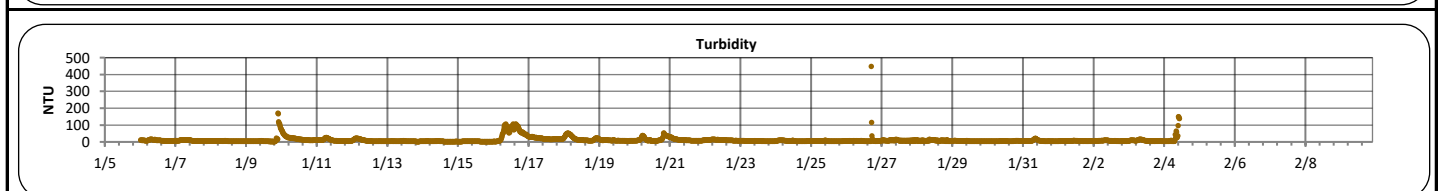
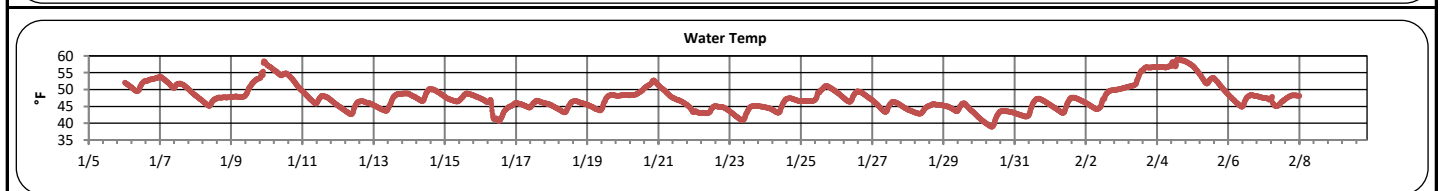
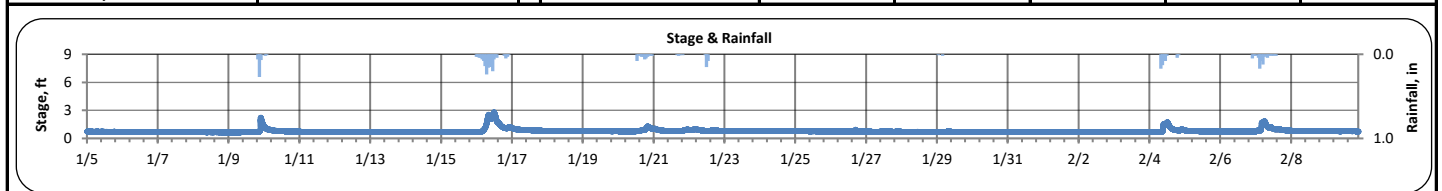
Potential Illicit Discharges and Abnormal Events:

The specific conductivity increased on January 16th, 19th, 20th, 22nd, 25th -26th, and 30th, which may have been a result of illicit discharges.

# Continuous Water Quality Monitoring Periodic Report

Smith Branch B (January 5, 2022 - February 9, 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):	0.7	2.8	0.7	0.8	0.2
LOCATION:	Off Mountain Drive	TEMPERATURE (°F):	39	59	47	48	4
NEAREST ADDRESS:	3950 Clement Rd Columbia, SC 29203	TURBIDITY (NTU):	2.6	448.8	6.8	11.6	17.3
COORDINATES:	34.037933,-81.0591	pH:	6.3	7.3	7.1	7.0	0.2
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.052	0.839	0.163	0.180	0.075
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	8.8	12.6	11.2	11.1	0.6
SPATIAL LOCATION:	Most Downstream Site						
TOTAL NO. STORMS OVER 0.1 INCH:	8						
MAX. DAILY RAINFALL:	1.5 inches						
TOTAL RAINFALL (FOR PERIOD):	3.9 inches						



**Continuous Water Quality  
Monitoring Periodic Report**

**Smith Branch B (January 5, 2022 - February 9, 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:** No grab samples were collected during the monitoring period.

Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4	
	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 and DO data were removed from February 4th until the end of the monitoring period because the sensor collected erroneous data due to fouling.

Potential Illicit Discharges and Abnormal Events:

Specific conductivity increased on January 16th, 19th, 20th, 22nd, and 25th, which may have been a result of illicit discharges.