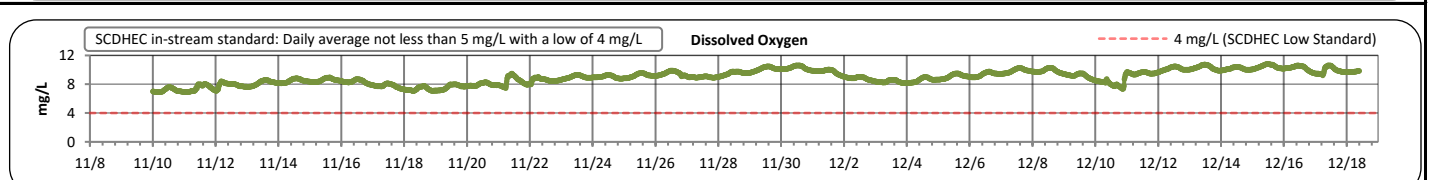
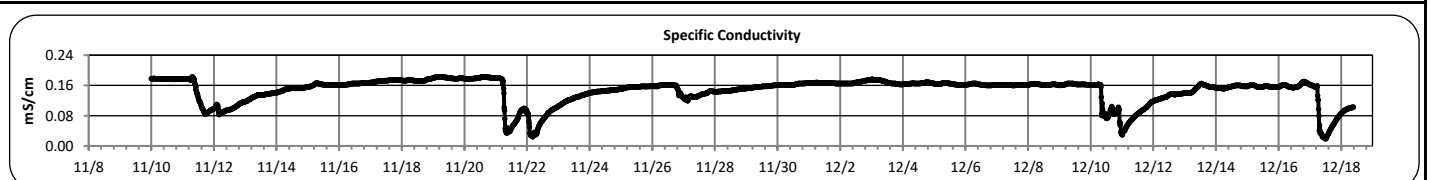
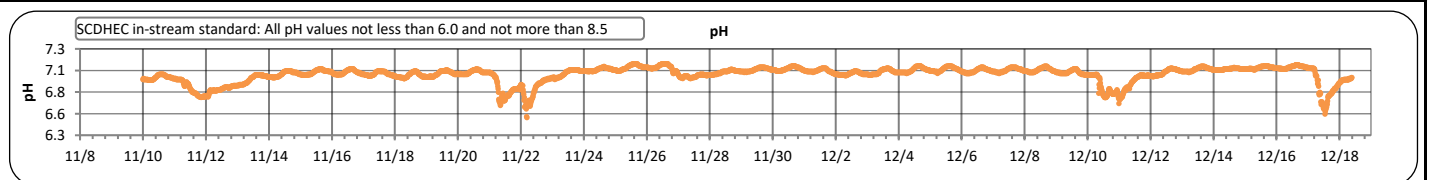
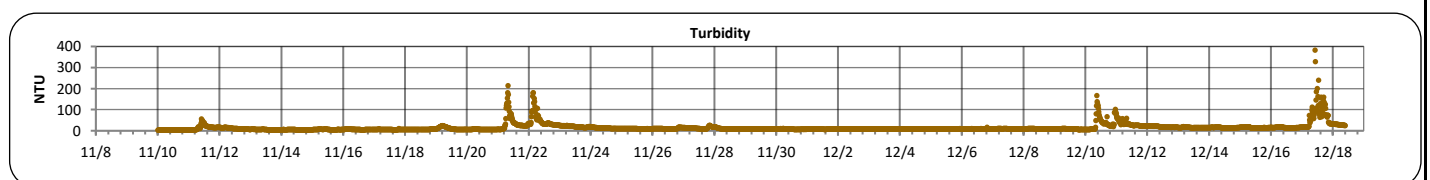
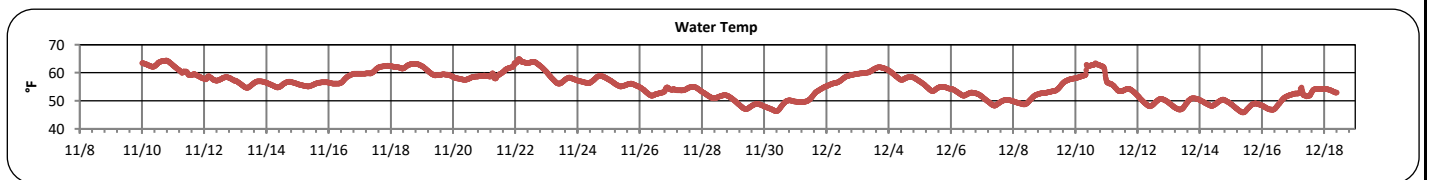
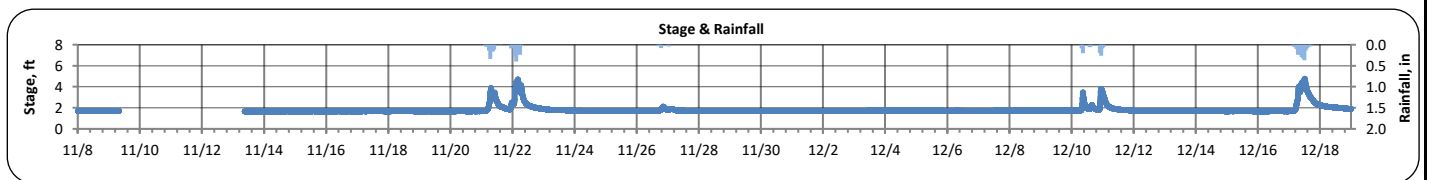


# Continuous Water Quality Monitoring Periodic Report

Smith Branch A (November 8, 2023 - December 18, 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):	1.7	4.7	1.7	1.8	0.3
LOCATION:	Earlewood Park	TEMPERATURE (°F):	46	65	56	55	5
ADDRESS:	1111 Parkside Dr Columbia, SC 29201	TURBIDITY (NTU):	4	384	10	16	21
COORDINATES:	34.027289,-81.04265	pH:	6.5	7.1	7.0	7.0	0.1
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.019	0.183	0.160	0.147	0.033
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	7.0	10.8	9.0	9.0	1.0
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	7						
MAX. DAILY RAINFALL:	2.2 inches						
TOTAL RAINFALL (FOR PERIOD):	0.4 inches						



**Continuous Water Quality  
Monitoring Periodic Report**

**Smith Branch A (November 8, 2023 - December 18, 2023)**

**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	
	11/16/2023		11/21/2023		11/21/2023		11/21/2023	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	11:05	398	11:06	6,880	13:15	10,300	14:42	7,220
Total Suspended Solids (mg/L)								
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

Sample 1 was collected during dry weather conditions. Samples 2 - 4 were collected during wet weather conditions.

**Notes:**

Data Gaps

There was a data gap in stage data on 11/9 through 11/13 due to instrument communication malfunction.

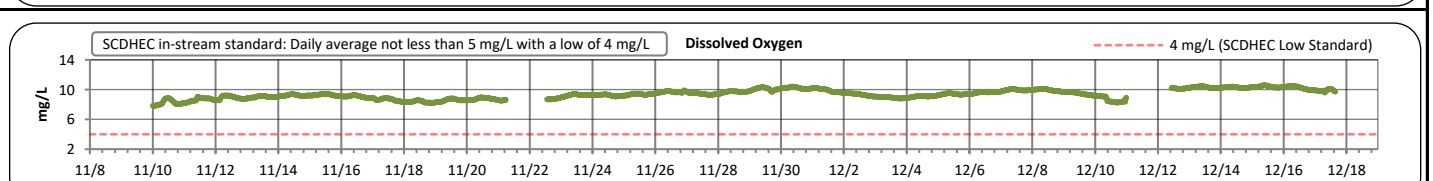
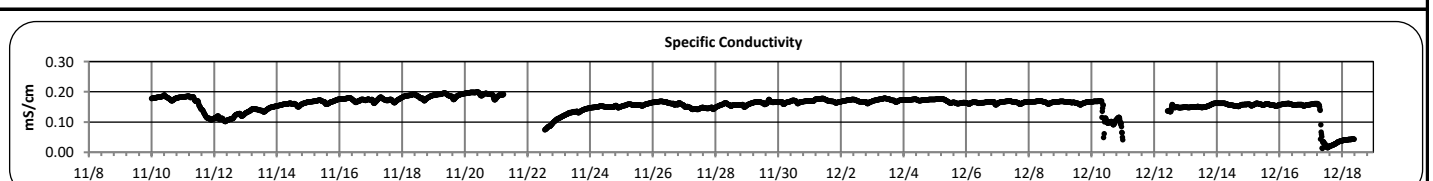
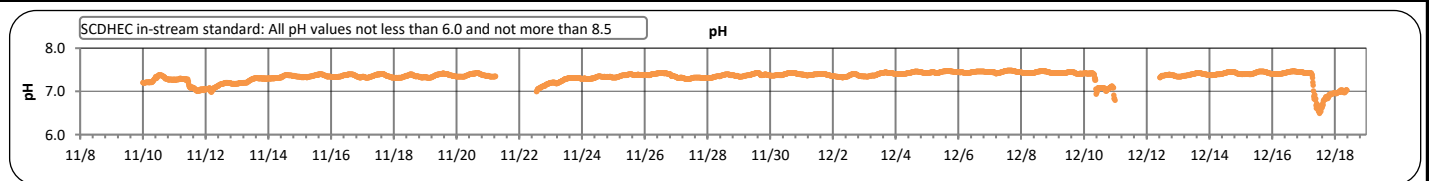
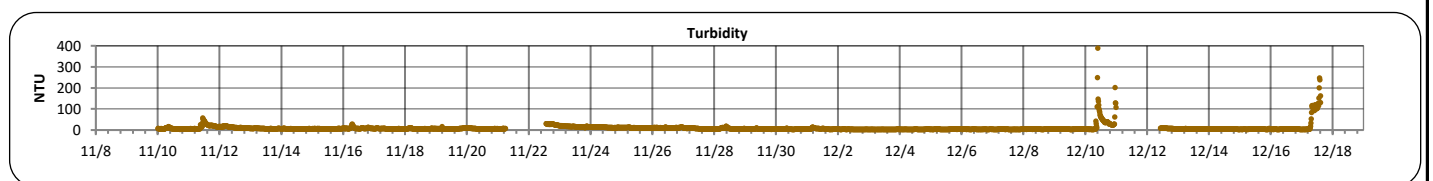
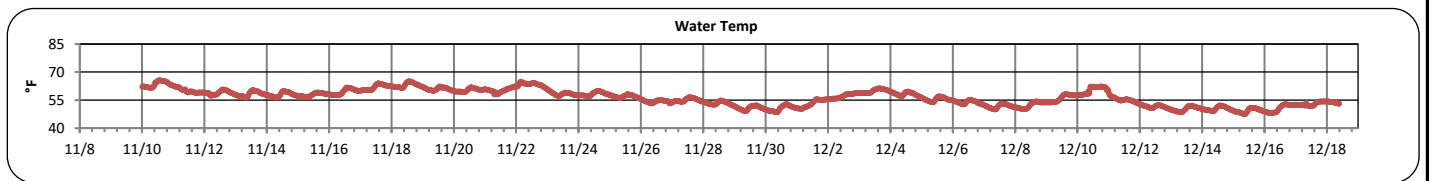
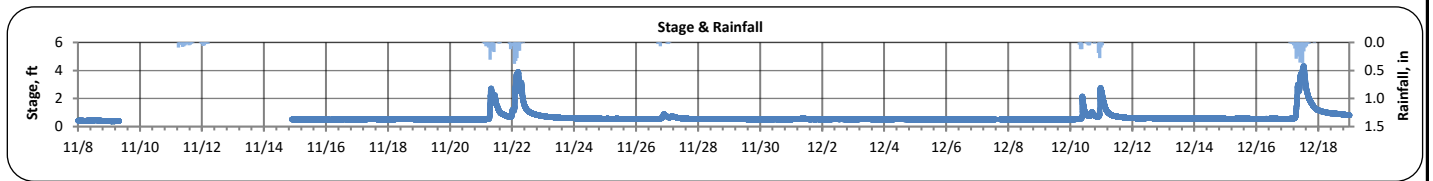
Potential Illicit Discharges and Abnormal Events:

There were no abnormal events during this monitoring period.

# Continuous Water Quality Monitoring Periodic Report

Smith Branch B (November 8, 2023 - December 18, 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	3.9	0.5	0.6	0.3
LOCATION:	Off Mountain Drive	TEMPERATURE (°F):	48	66	57	56	4
NEAREST ADDRESS:	3950 Clement Rd Columbia, SC 29203	TURBIDITY (NTU):	3	390	6	10	17
COORDINATES:	34.037933,-81.0591	pH:	6.5	7.5	7.4	7.3	0.1
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.013	0.199	0.163	0.157	0.030
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	7.8	10.6	9.4	9.4	0.6
SPATIAL LOCATION:	Most Downstream Site						
TOTAL NO. STORMS OVER 0.1 INCH:	8						
MAX. DAILY RAINFALL:	2.5 inches						
TOTAL RAINFALL (FOR PERIOD):	0.4 inches						



**Continuous Water Quality  
Monitoring Periodic Report**

**Smith Branch B (November 8, 2023 - December 18, 2023)**

**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	
	11/16/2023		11/21/2023		11/21/2023		11/21/2023	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	10:50	ND	10:50	10,300	13:25	7,310	14:51	9,770
Total Suspended Solids (mg/L)								
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

Sample 1 was collected during dry weather conditions. Samples 2 - 4 were collected during wet weather conditions.

**Notes:**

Data Gaps

Specific conductivity, DO, pH and turbidity had data gaps from 11/21 - 11/22 and on 12/11 - 12/12 because the sensors were buried. There was a gap in stage data from 11/9 - 11/14 due to an instrument communication malfunction.

Potential Illicit Discharges and Abnormal Events:

There were no abnormal events during this monitoring period.