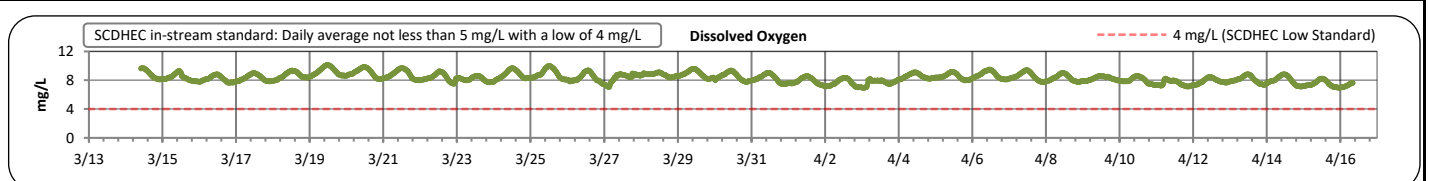
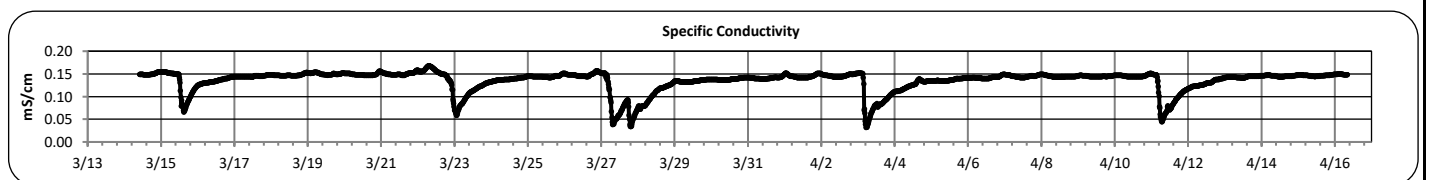
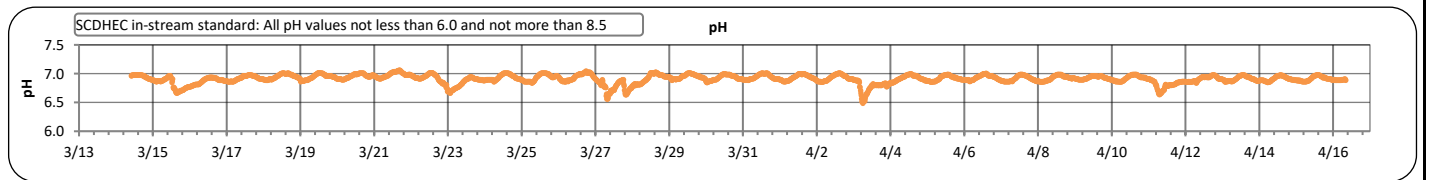
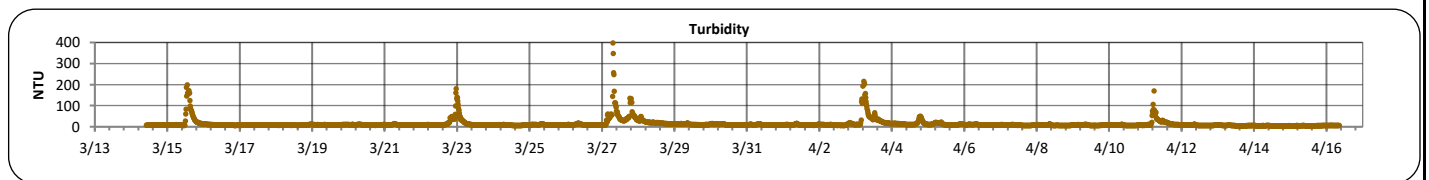
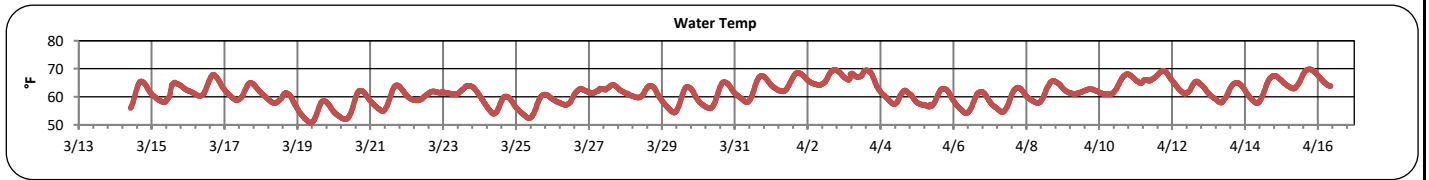
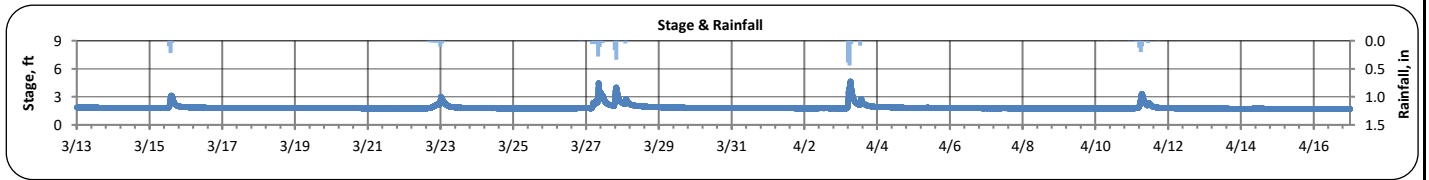


# Continuous Water Quality Monitoring Periodic Report

Smith Branch A (March 13, 2024 - April 16, 2024)

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	1.8	1.9	0.2
LOCATION:	Earlewood Park	TEMPERATURE (°F):	51	70	61	61	4
ADDRESS:	1111 Parkside Dr Columbia, SC 29201	TURBIDITY (NTU):	5	398	9	14	22
COORDINATES:	34.027289,-81.04265	pH:	6.5	7.1	6.9	6.9	0.1
TMD/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.032	0.168	0.144	0.136	0.022
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	7.0	10.2	8.3	8.4	0.6
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	7						
MAX. DAILY RAINFALL:	1.2 inches						
TOTAL RAINFALL (FOR PERIOD):	3.6 inches						



**Continuous Water Quality  
Monitoring Periodic Report**

**Smith Branch A (March 13, 2024 - April 16, 2024)**

**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:** Samples were collected during wet weather.

Analyte (units)	Sample 1							
	4/11/2024							
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	9:34	19,600						
Total Suspended Solids (mg/L)								
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

**Notes:**

Data Gaps

There were no data gaps during this monitoring period.

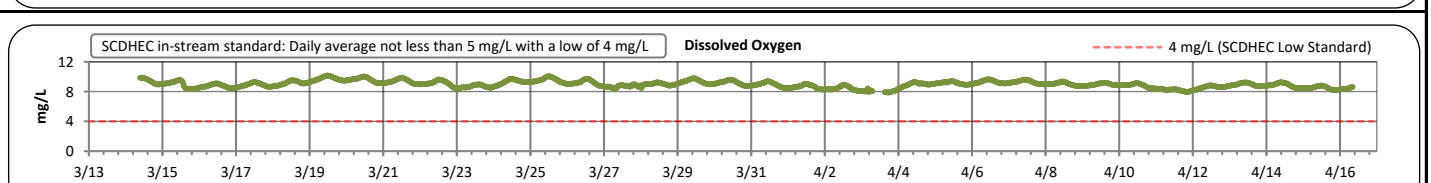
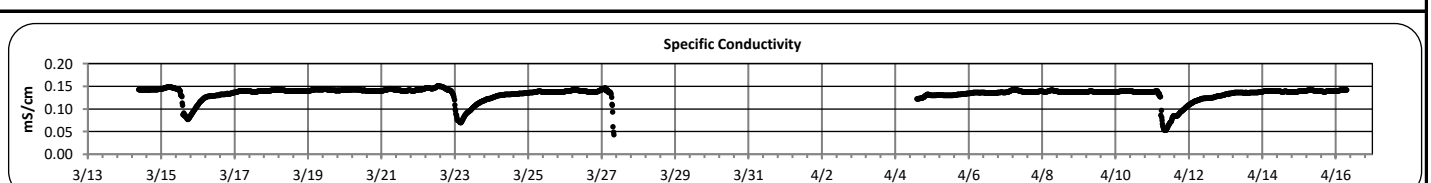
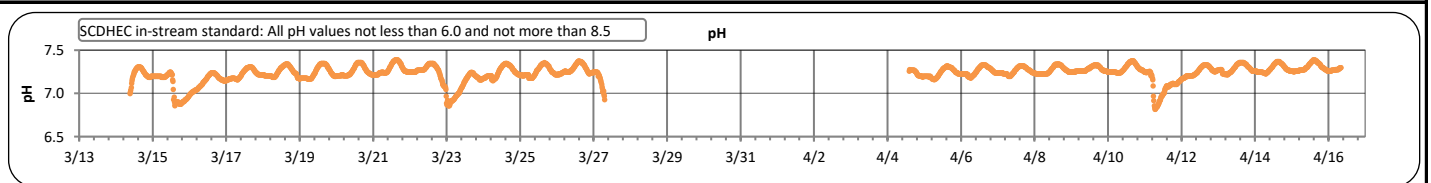
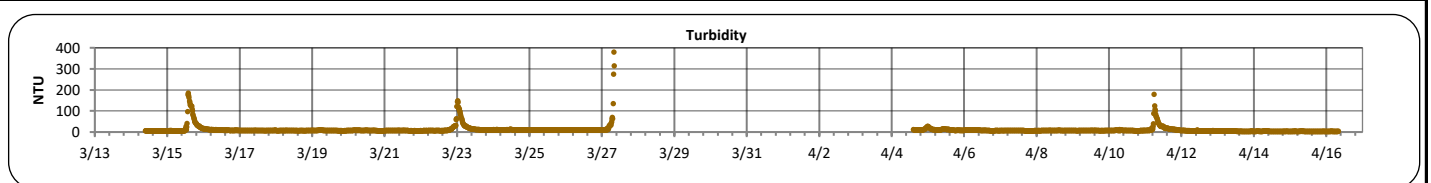
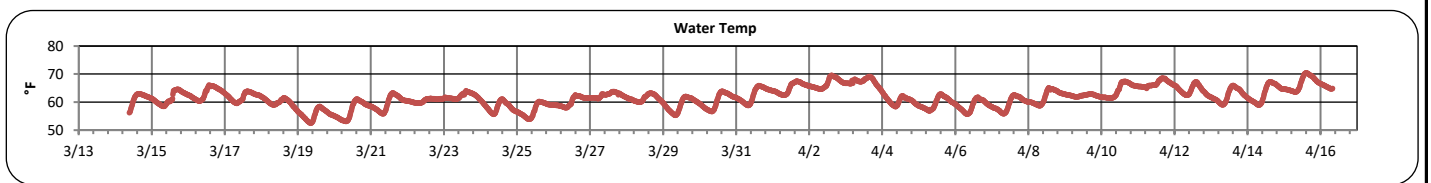
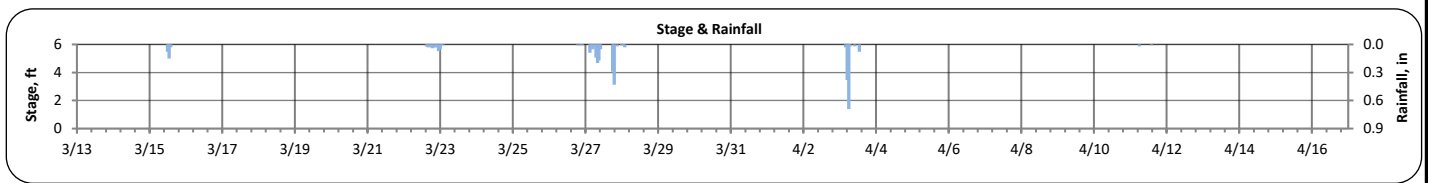
Potential Illicit Discharges and Abnormal Events:

No potential abnormal events were identified during this monitoring period.

# Continuous Water Quality Monitoring Periodic Report

Smith Branch B (March 13, 2024 - April 16, 2024)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Smith Branch	STAGE (FT):	-	-	-	-	-
LOCATION:	Off Mountain Drive	TEMPERATURE (°F):	52	71	62	62	3
NEAREST ADDRESS:	3950 Clement Rd Columbia, SC 29203	TURBIDITY (NTU):	3	381	8	12	19
COORDINATES:	34.037933,-81.0591	pH:	6.8	7.4	7.3	7.2	0.1
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.043	0.151	0.138	0.133	0.015
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	7.9	10.2	9.0	9.0	0.4
SPATIAL LOCATION:	Most Downstream Site						
TOTAL NO. STORMS OVER 0.1 INCH:	6						
MAX. DAILY RAINFALL:	1.5 inches						
TOTAL RAINFALL (FOR PERIOD):	3.6 inches						



**Continuous Water Quality  
Monitoring Periodic Report**

**Smith Branch B (March 13, 2024 - April 16, 2024)**

**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:** All samples were collected during wet weather.

Analyte (units)	Sample 1							
	4/11/2024							
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	9:24	11,000						
Total Suspended Solids (mg/L)								
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

**Notes:**

Data Gaps

There was a data gap for turbidity, pH and specific conductivity from 3/27 to 4/4 due to instrument fouling. There was a gap in DO data on 4/3 due to instrument fouling. Stage data was not available during this monitoring period due to instrument malfunction.

Potential Illicit Discharges and Abnormal Events:

No potential abnormal events were identified during this monitoring period.