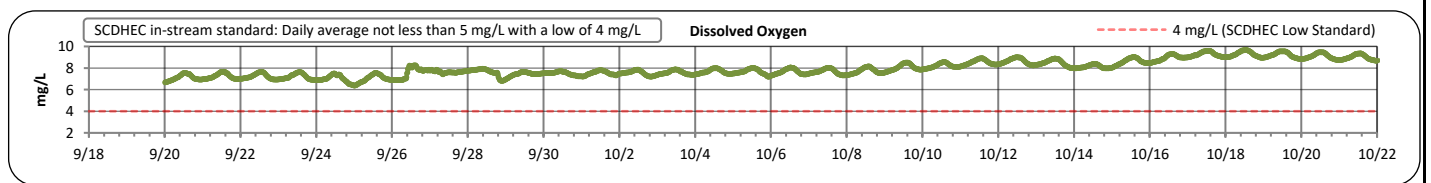
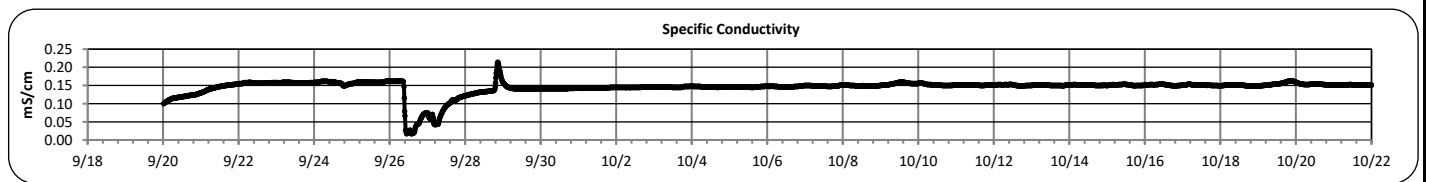
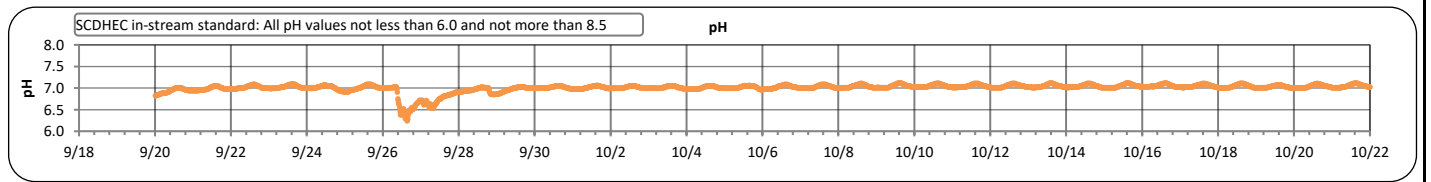
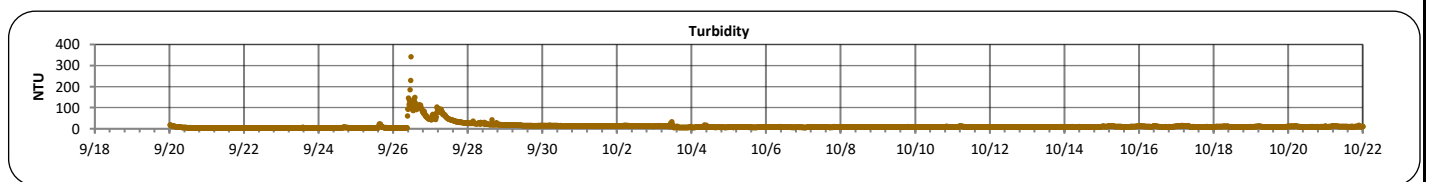
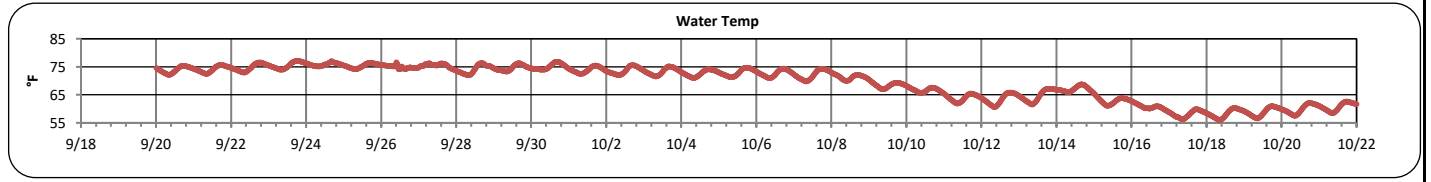
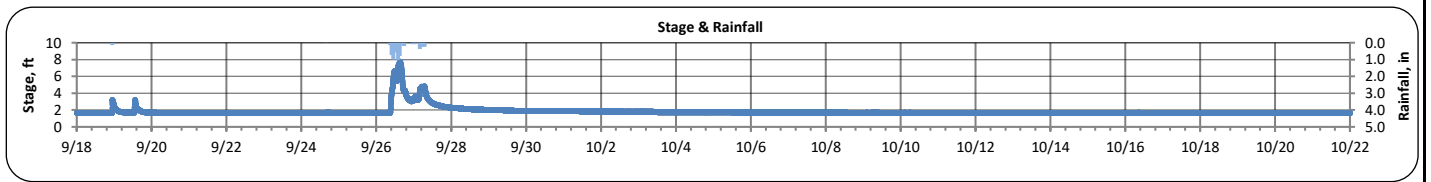


# Continuous Water Quality Monitoring Periodic Report

Smith Branch A (September 18, 2024 - October 22, 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):	1.6	7.8	1.7	1.8	0.5
LOCATION:	Earlewood Park	TEMPERATURE (°F):	56	77	72	69	6
ADDRESS:	1111 Parkside Dr Columbia, SC 29201	TURBIDITY (NTU):	4	342	9	13	16
COORDINATES:	34.027289,-81.04265	pH:	6.3	7.1	7.0	7.0	0.1
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.017	0.215	0.150	0.145	0.021
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	6.4	9.7	7.8	8.0	0.7
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	8						
MAX. DAILY RAINFALL:	5.3 inches						
TOTAL RAINFALL (FOR PERIOD):	6.8 inches						



**Continuous Water Quality  
Monitoring Periodic Report**

**Smith Branch A (September 18, 2024 - October 22, 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 in wet weather conditions during this monitoring period.

Analyte (units)	Sample 1							
	9/26/2024							
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	13:50	9,770						
Total Suspended Solids (mg/L)								
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

**Notes:**

Data Gaps

Calibration period occurred 9/17-9/19.

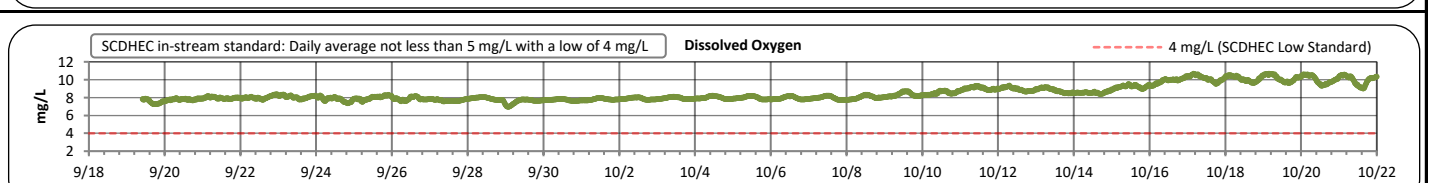
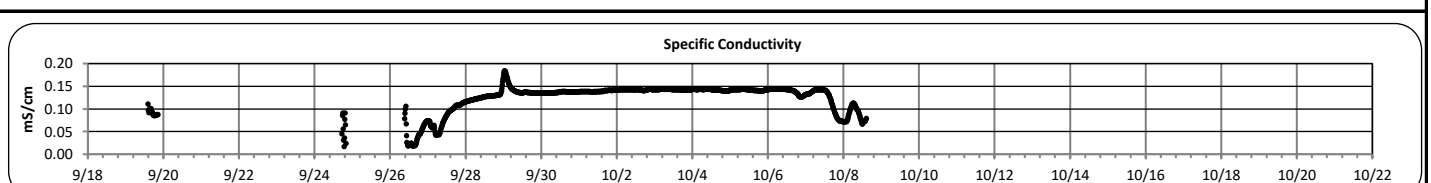
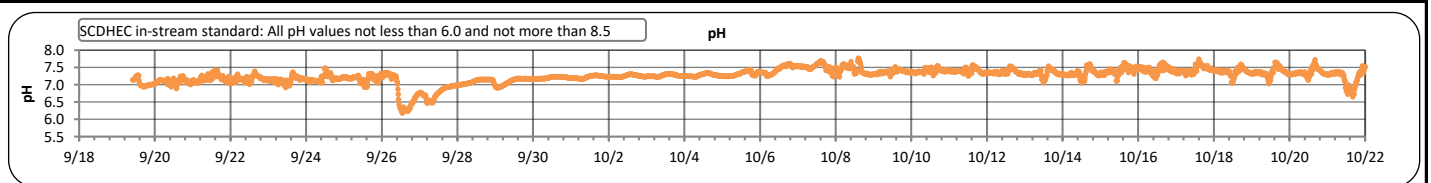
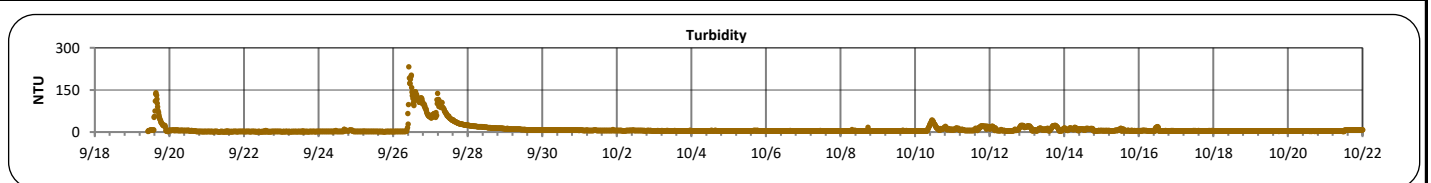
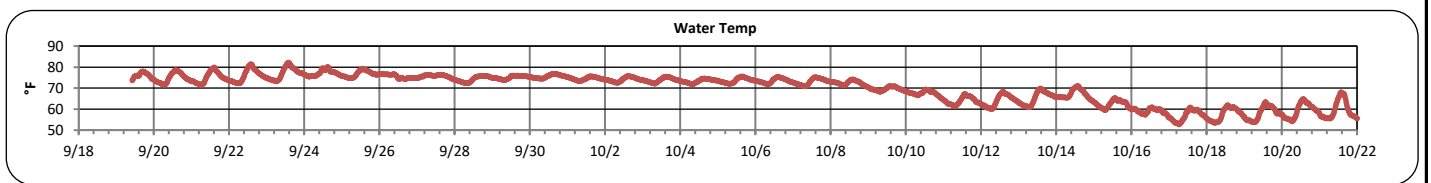
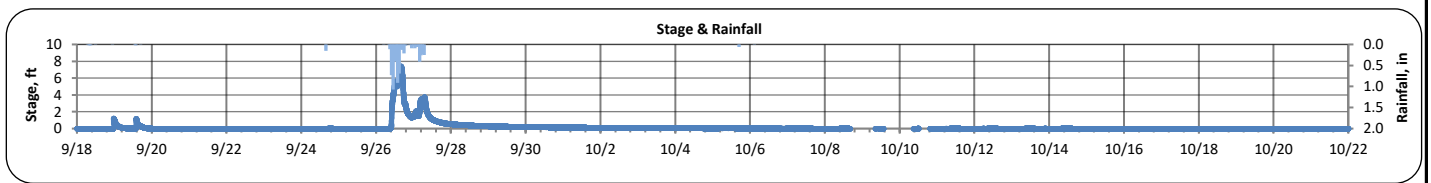
Potential Illicit Discharges and Abnormal Events:

Hurricane Helene impacted this monitoring period on 9/26-9/27.

# Continuous Water Quality Monitoring Periodic Report

Smith Branch B (September 18, 2024 - October 22, 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):	0.0	7.4	0.0	0.2	0.6
LOCATION:	Off Mountain Drive	TEMPERATURE (°F):	53	82	0	70	7
NEAREST ADDRESS:	3950 Clement Rd Columbia, SC 29203	TURBIDITY (NTU):	2	233	5	10	19
COORDINATES:	34.037933,-81.0591	pH:	6.2	7.8	7.3	7.3	0.2
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.017	0.184	0.138	0.125	0.031
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	7.0	10.7	8.1	8.5	0.9
SPATIAL LOCATION:	Most Downstream Site						
TOTAL NO. STORMS OVER 0.1 INCH:	8						
MAX. DAILY RAINFALL:	4.9 inches						
TOTAL RAINFALL (FOR PERIOD):	6.8 inches						



**Continuous Water Quality  
Monitoring Periodic Report**

**Smith Branch B (September 18, 2024 - October 22, 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:** No samples were collected during this monitoring period.

Analyte (units)	Sample 1							
	9/26/2024							
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	13:37	8,210						
Total Suspended Solids (mg/L)								
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

**Notes:**

Data Gaps

Calibration period occurred 9/17-9/19. Data gap present from 10/8-10/10 in stage data due to partial unsubsurgence. Data gaps in specific conductivity were present throughout the monitoring period due to equipment failure.

Potential Illicit Discharges and Abnormal Events:

Hurricane Helene impacted this monitoring period on 9/26-9/27.