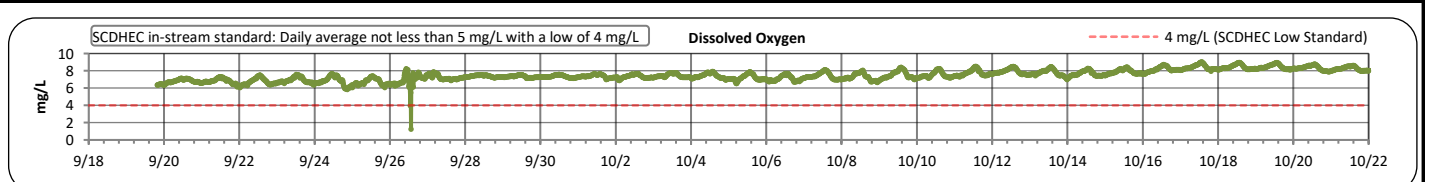
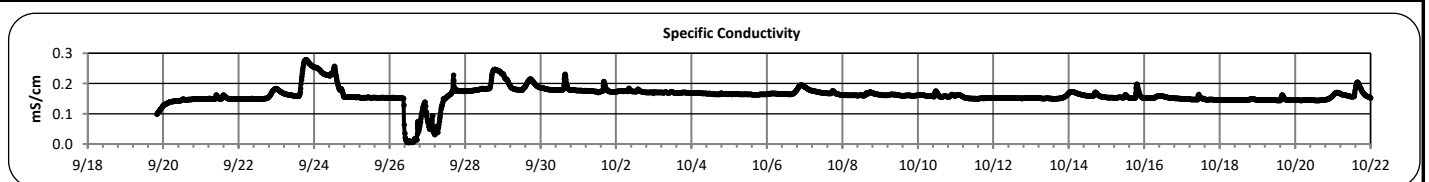
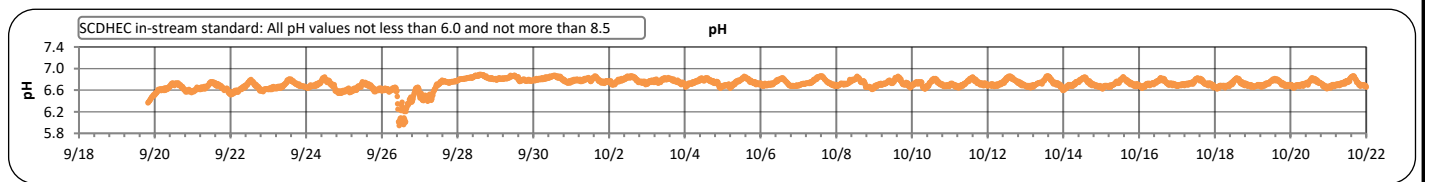
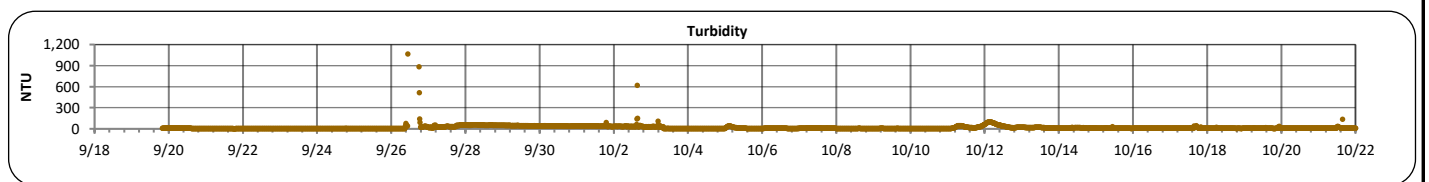
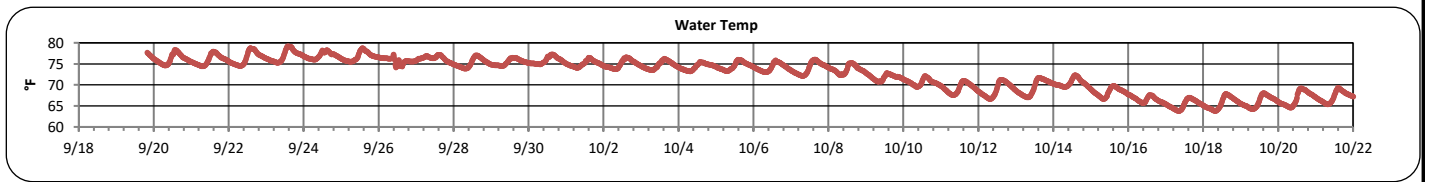
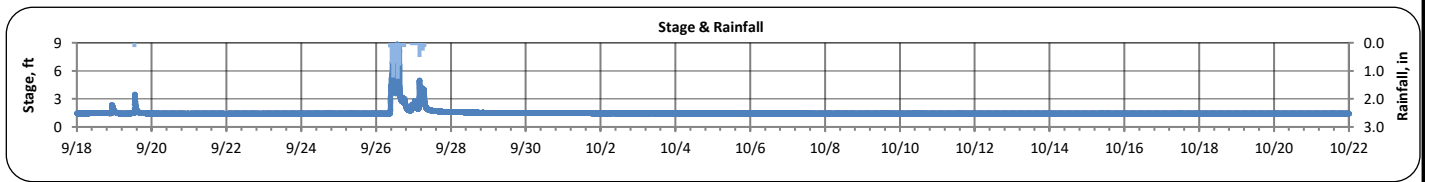


# Continuous Water Quality Monitoring Periodic Report

## Rocky 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:	Rocky Branch	STAGE (FT):	1.4	8.9	1.4	1.5	0.5
LOCATION:	Maxcy Gregg Park	TEMPERATURE (°F):	64	79	74	72	4
ADDRESS:	1650 Park Circle Columbia, SC 29201	TURBIDITY (NTU):	3	1,067	10	19	33
COORDINATES:	33.995864, -81.021842	pH:	6.0	6.9	6.7	6.7	0.1
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.005	0.279	0.160	0.161	0.030
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	1.3	9.0	7.4	7.5	0.6
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	9						
MAX. DAILY RAINFALL:	6.0 inches						
TOTAL RAINFALL (FOR PERIOD):	7.6 inches						



Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

**Continuous Water Quality  
Monitoring Periodic Report**

**Rocky 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)	14:24	6,150						
Total Suspended Solids (mg/L)								
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

**Notes:**

Data Gaps

Calibration period occurred from 9/17-9/19.

Potential Illicit Discharges and Abnormal Events:

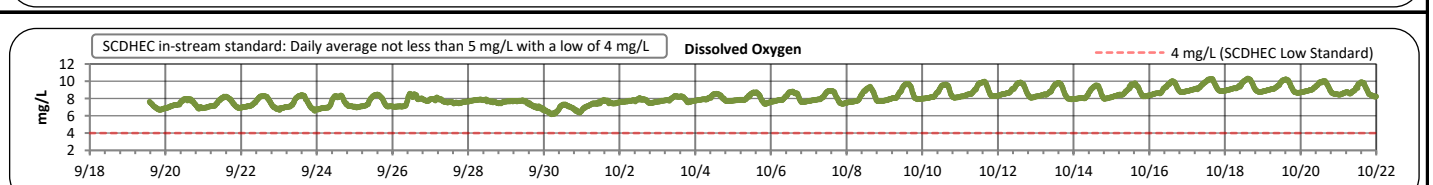
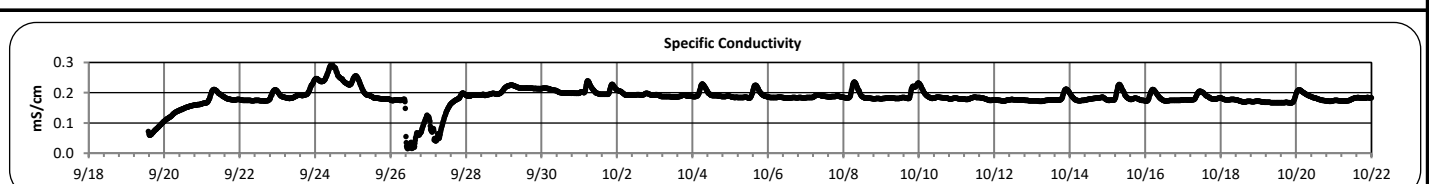
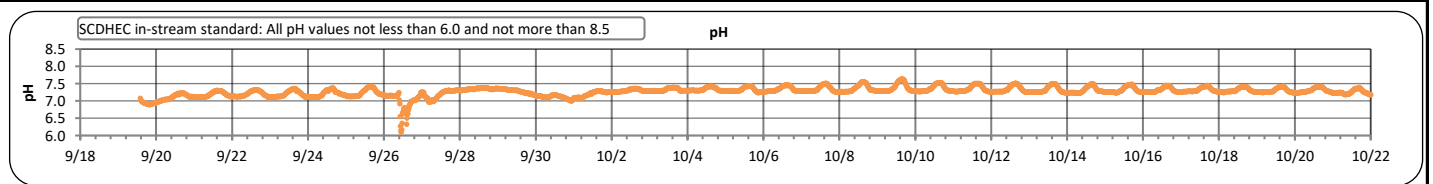
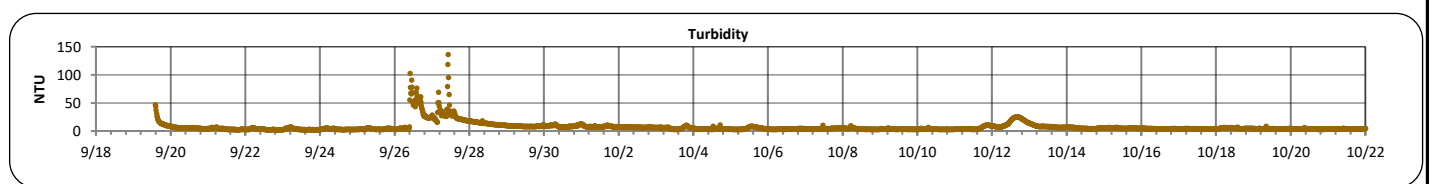
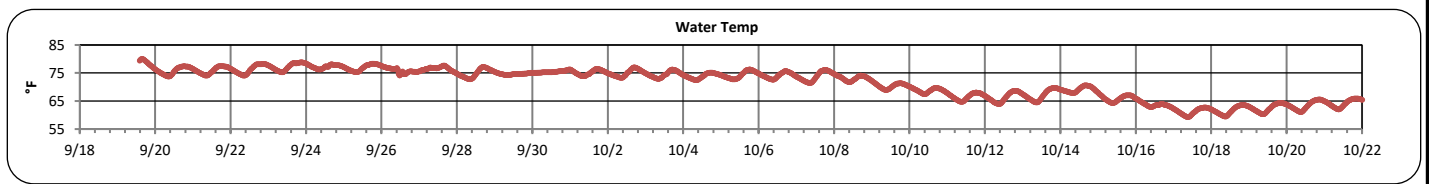
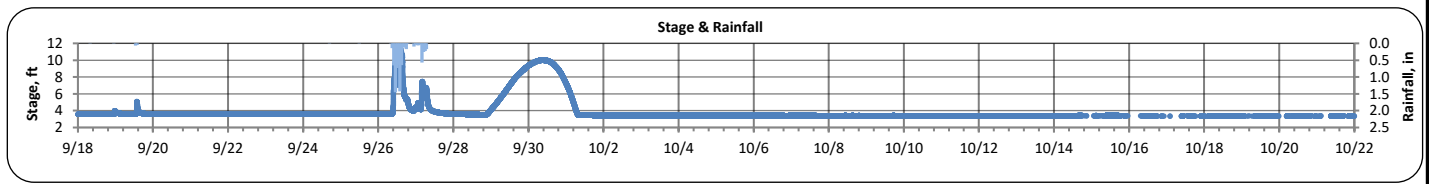
Hurricane Helene impacted this monitoring period on 9/26-9/27.

Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

# Continuous Water Quality Monitoring Periodic Report

## Rocky Branch B (September 18 - October 22, 2024)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Rocky Branch	STAGE (FT):	3.4	11.3	3.5	3.9	1.4
LOCATION:	Olympia Ave Crossing	TEMPERATURE (°F):	59	80	74	71	5
ADDRESS:	510 Heyward St Columbia, SC 29201	TURBIDITY (NTU):	2	137	5	7	9
COORDINATES:	33.982578, -81.035036	pH:	6.1	7.7	7.3	7.3	0.1
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.016	0.293	0.184	0.184	0.033
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	6.2	10.4	8.1	8.2	0.9
SPATIAL LOCATION:	Most Downstream Site						
TOTAL NO. STORMS OVER 0.1 INCH:	8						
MAX. DAILY RAINFALL:	6.2 inches						
TOTAL RAINFALL (FOR PERIOD):	7.8 inches						



Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

**Continuous Water Quality  
Monitoring Periodic Report**

**Rocky 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)								
	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

Calibration period occurred from 9/17-9/19. Data gaps present in stage readings from 10/14-10/22 due to sensor malfunction.

Potential Illicit Discharges and Abnormal Events:

Hurricane Helene impacted this monitoring period on 9/26-9/27. Rise in stage after Hurricane Helene was confirmed by a secondary sensor, but the source is unknown.

Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors