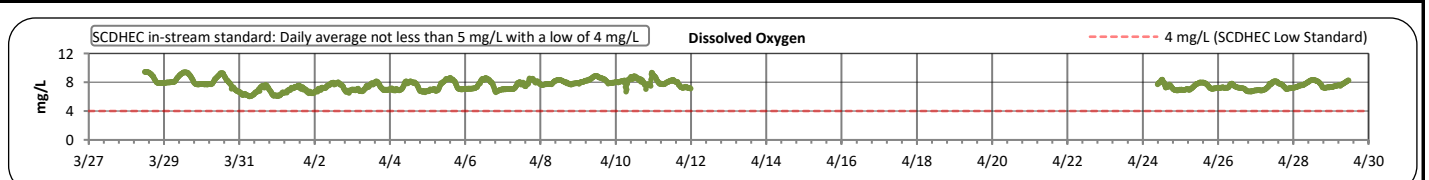
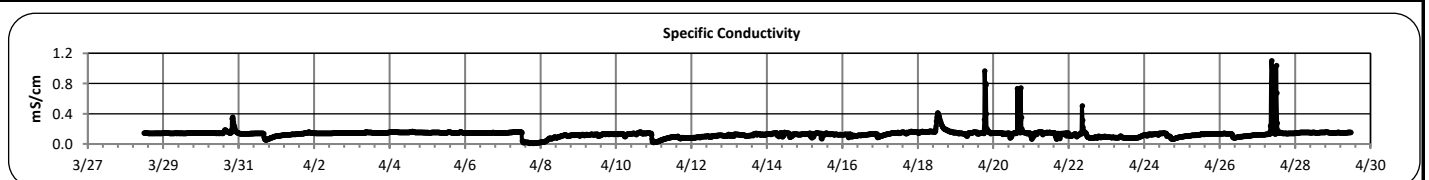
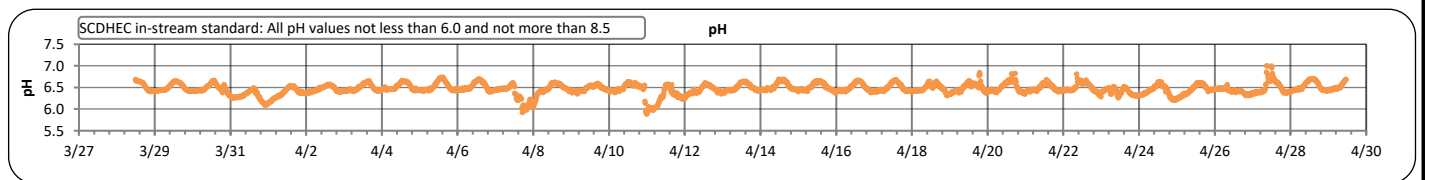
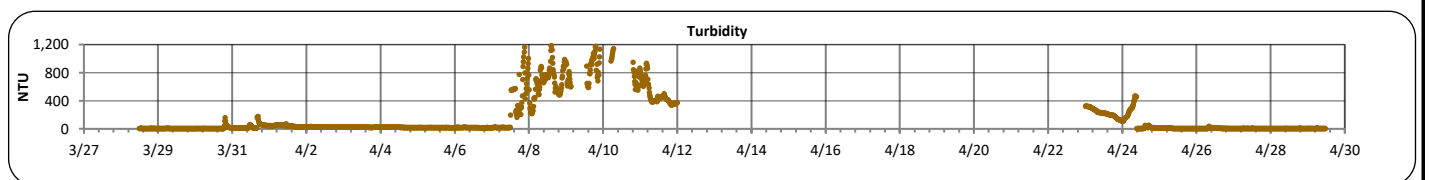
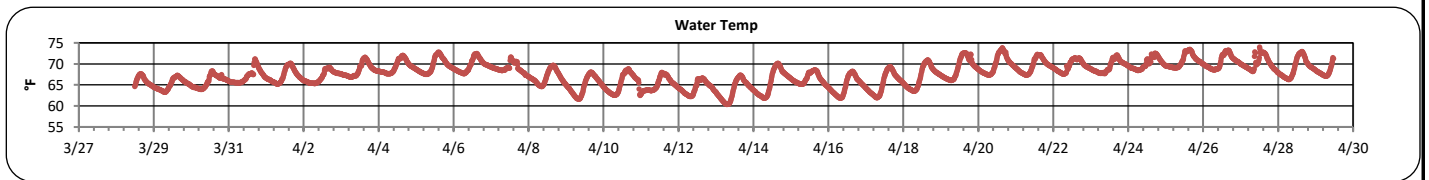
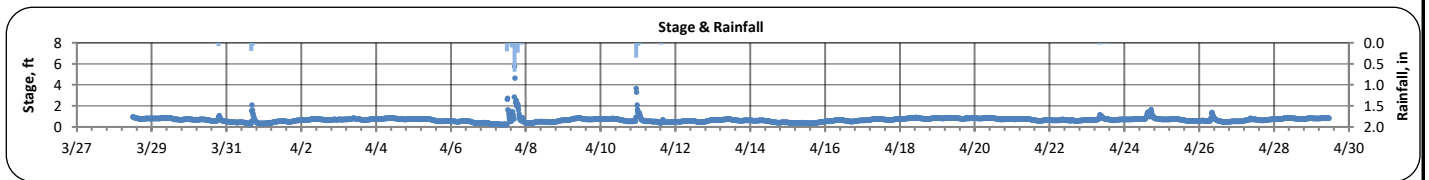




# Continuous Water Quality Monitoring Periodic Report

Rocky Branch A (March 27, 2025 - April 30, 2025)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Rocky Branch	STAGE (FT):	0.2	5.8	0.7	0.7	0.2
LOCATION:	Maxcy Gregg Park	TEMPERATURE (°F):	60	74	68	68	3
ADDRESS:	1650 Park Circle Columbia, SC 29201	TURBIDITY (NTU):	4	1,189	20	135	250
COORDINATES:	33.995864, -81.021842	pH:	5.9	7.0	6.5	6.5	0.1
TMD/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.009	1.103	0.139	0.133	0.057
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	6.1	9.5	7.7	7.6	0.7
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	7						
MAX. DAILY RAINFALL:	1.7 inches						
TOTAL RAINFALL (FOR PERIOD):	3.0 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 (March 27, 2025 - April 30, 2025)**

**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:** Four wet weather samples were collected during this monitoring period.

Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4	
	4/7/2025		4/7/2025		4/7/2025		4/7/2025	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	10:26	249	12:29	308	13:40	12,300	14:44	11,000
Total Suspended Solids (mg/L)								
Total Lead (mg/L)								
Total Nitrogen (mg/L)								

**Notes:**

Data Gaps

Calibration period occurred from 3/26-3/28. Data gap present within turbidity on 4/12-4/22 due to optical sensor impaction as a result of excess sediment accumulation from previous rain events. During this timeframe, the data quality is poor and therefore not reported within this periodic report. This impaction event extends somewhat further for dissolved oxygen data, resulting in a gap from 4/12-4/24.

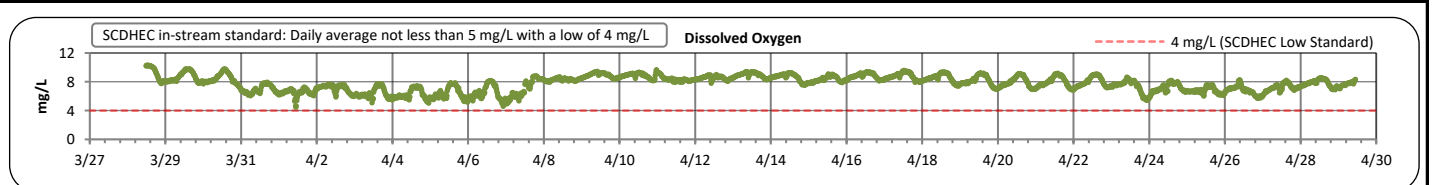
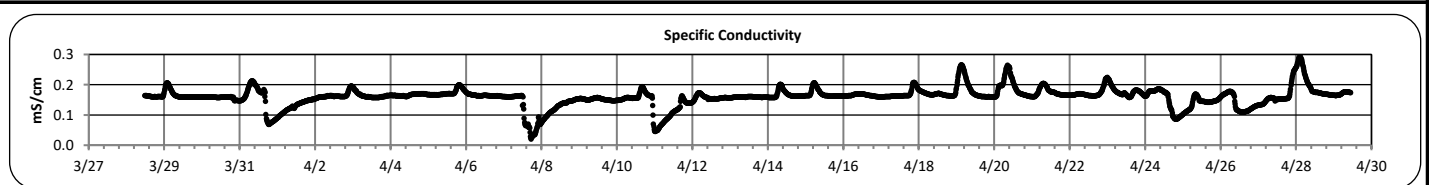
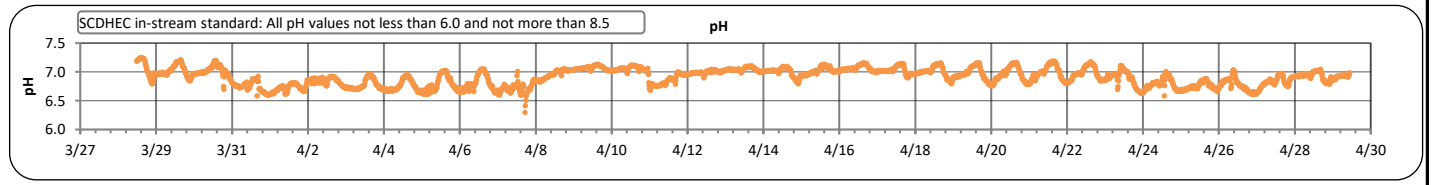
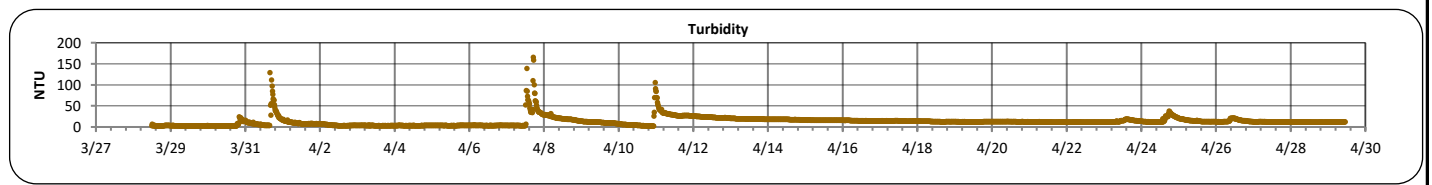
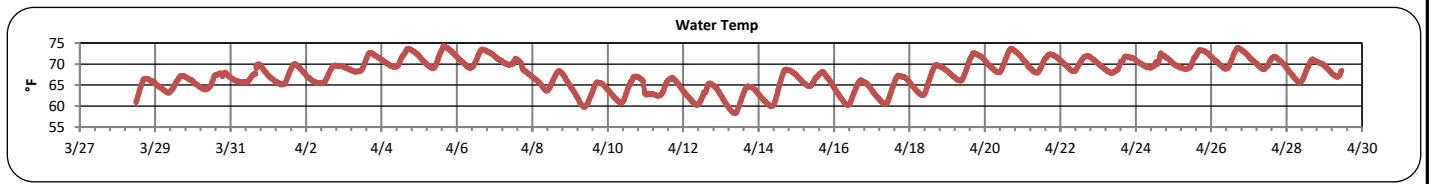
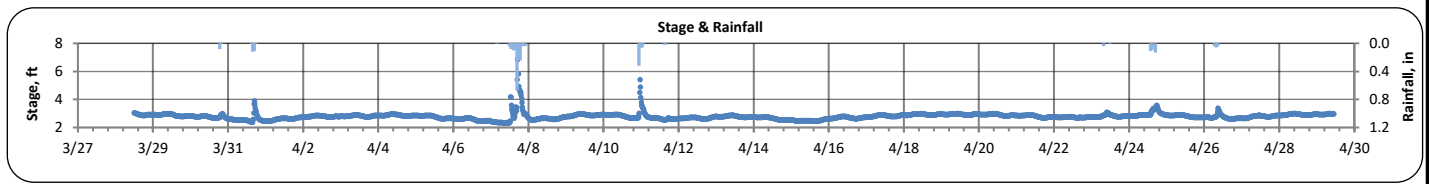
Potential Illicit Discharges and Abnormal Events:

Potential illicit discharge visible in temperature, specific conductivity and pH data on 4/27, likely a result of the regular backflow experienced at this location.

# Continuous Water Quality Monitoring Periodic Report

**Rocky Branch B (March 27, 2025 - April 30, 2025)**

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Rocky Branch	STAGE (FT):	2.3	7.0	2.8	2.8	0.2
LOCATION:	Olympia Ave Crossing	TEMPERATURE (°F):	58	74	68	68	3
ADDRESS:	510 Heyward St Columbia, SC 29201	TURBIDITY (NTU):	2	166	13	13	11
COORDINATES:	33.982578, -81.035036	pH:	6.3	7.3	6.9	6.9	0.1
TMDL/IMPAIRED:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.021	0.292	0.163	0.160	0.031
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	4.5	10.3	8.0	7.8	1.1
SPATIAL LOCATION:	Most Downstream Site						
TOTAL NO. STORMS OVER 0.1 INCH:	6						
MAX. DAILY RAINFALL:	1.6 inches						
TOTAL RAINFALL (FOR PERIOD):	8.7 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 (March 27, 2025 - April 30, 2025)**

**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:** Four wet weather samples were collected during this monitoring period.

Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4	
	4/7/2025		4/7/2025		4/7/2025		4/7/2025	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	10:35	285	12:39	285	13:49	28,300	15:02	13,700
Total Suspended Solids (mg/L)								
Total Lead (mg/L)								
Total Nitrogen								

**Notes:**

Data Gaps

Calibration period occurred from 3/26-3/28. Data gap present within turbidity on 4/12-4/22 due to optical sensor in sediment accumulation from previous rain events. During this timeframe, the data quality is poor and therefore not report. This impaction event extends somewhat further for dissolved oxygen data, resulting in a gap from 4/12-4/24.

Potential Illicit Discharges and Abnormal Events:

No potential illicit discharge events visible during this monitoring period.