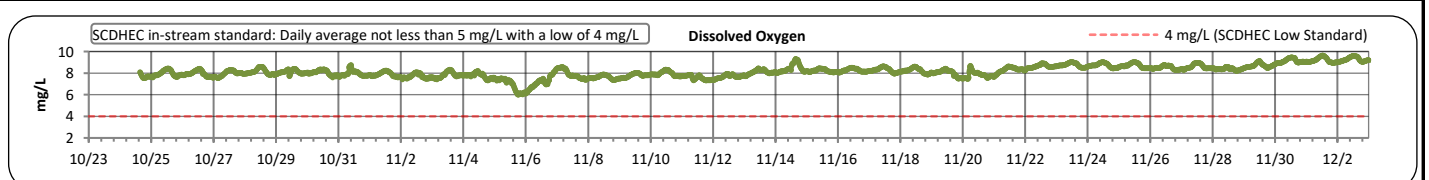
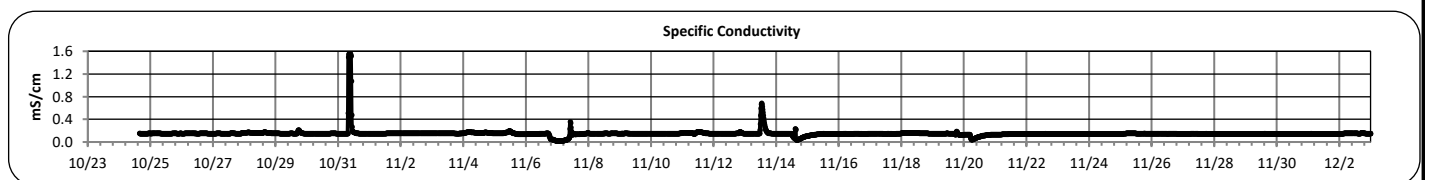
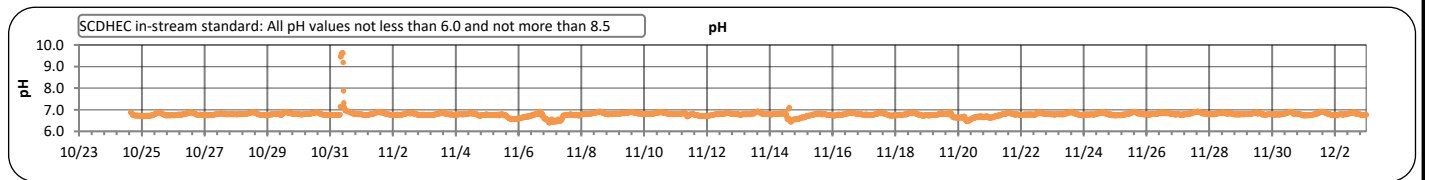
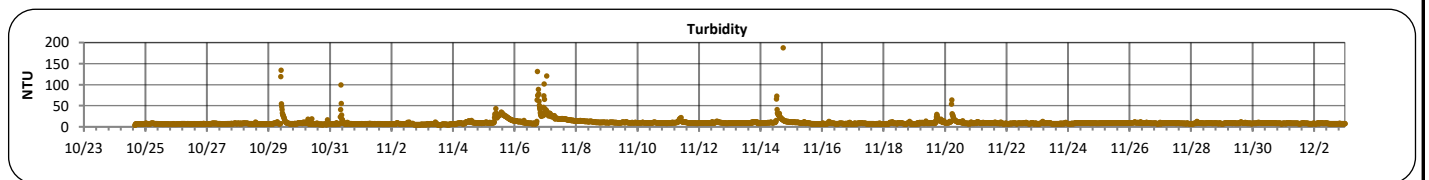
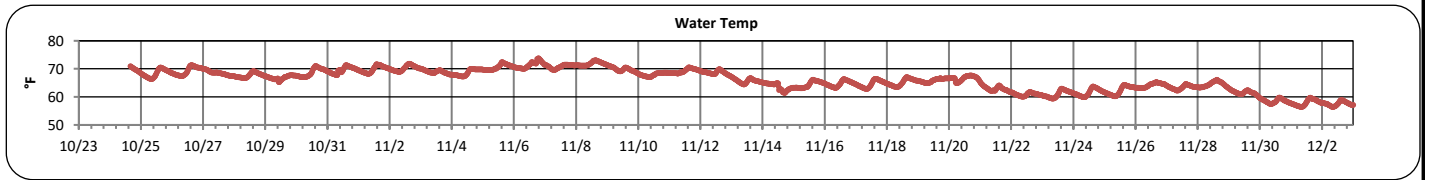
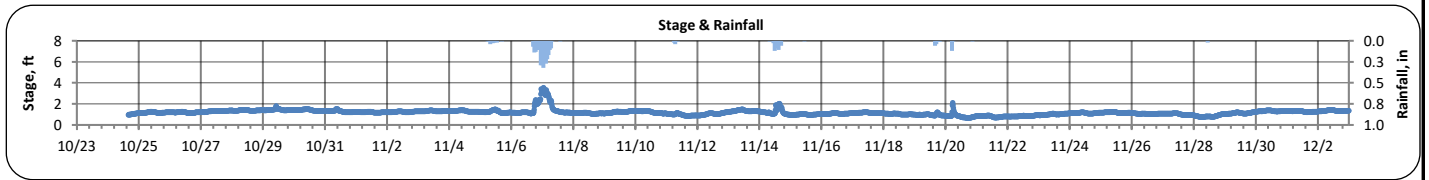


Continuous Water Quality Monitoring Periodic Report

Rocky Branch A (October 23, 2024 - December 03, 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):	0.7	3.6	1.2	1.2	0.3
LOCATION:	Maxcy Gregg Park	TEMPERATURE (°F):	56	74	67	66	4
ADDRESS:	1650 Park Circle Columbia, SC 29201	TURBIDITY (NTU):	4	188	9	10	8
COORDINATES:	33.995864, -81.021842	pH:	6.4	9.7	6.8	6.8	0.2
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.017	1.562	0.149	0.151	0.073
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	6.0	9.6	8.2	8.2	0.6
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	9						
MAX. DAILY RAINFALL:	1.4 inches						
TOTAL RAINFALL (FOR PERIOD):	3.7 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 A (October 23, 2024 - December 03, 2024)

Explanation of Statistics:

MINIMUM OBSERVED	The minimum of the values recorded by the datasonde in 15 minute intervals.
MAXIMUM OBSERVED	The maximum of the values recorded by the datasonde in 15 minute intervals.
MEDIAN OBSERVED	The median of all the values recorded by the datasonde in 15 minute intervals.
MEAN OBSERVED	The average of all the values recorded by the datasonde in 15 minute intervals.
STANDARD DEVIATION	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		Sample 2					
	11/14/2024		11/14/2024					
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	13:10	19,600	15:00	12,300				
Total Suspended Solids (mg/L)	13:10	26.0	15:00	21.8				
Total Lead (mg/L)	13:10	0.006	15:00	0.005				
Total Nitrogen (mg/L)	13:10	23	15:00	14				

Notes:

Data Gaps

Calibration period occurred from 10/22-10/24.

Potential Illicit Discharges and Abnormal Events:

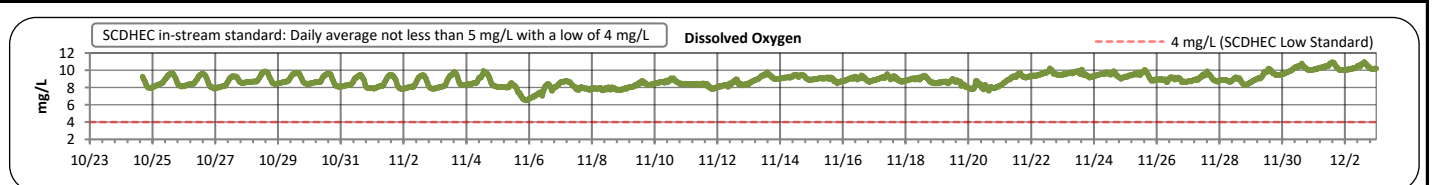
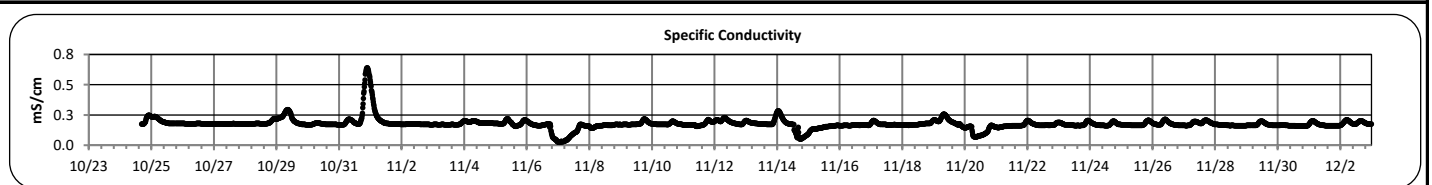
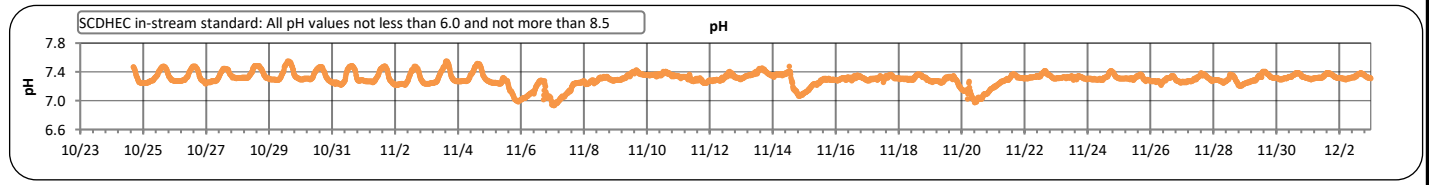
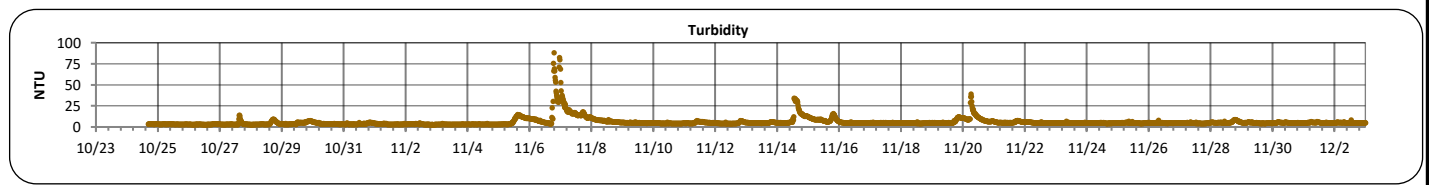
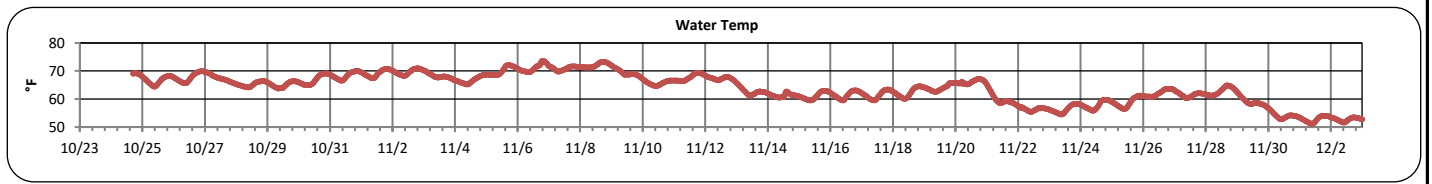
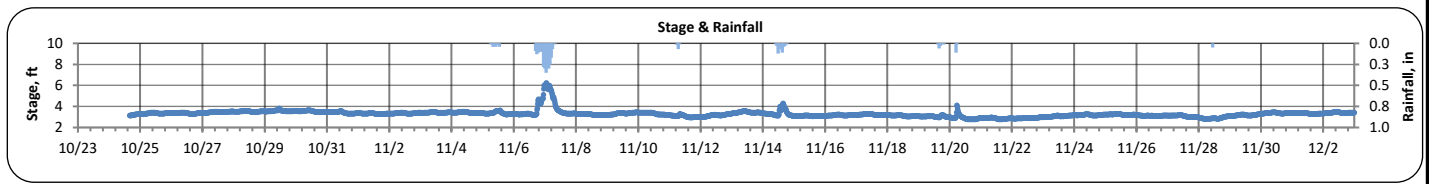
Potential illicit discharge occurred on 10/31 and can be visualized in the turbidity, pH and specific conductivity data. Source is unknown.

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 (October 23, 2024 - December 03, 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):	2.8	6.3	3.3	3.3	0.3
LOCATION:	Olympia Ave Crossing	TEMPERATURE (°F):	51	74	65	64	5
ADDRESS:	510 Heyward St Columbia, SC 29201	TURBIDITY (NTU):	3	88	5	6	5
COORDINATES:	33.982578, -81.035036	pH:	6.9	7.6	7.3	7.3	0.1
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.025	0.641	0.173	0.177	0.045
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	6.5	11.0	8.9	8.9	0.7
SPATIAL LOCATION:	Most Downstream Site						
TOTAL NO. STORMS OVER 0.1 INCH:	8						
MAX. DAILY RAINFALL:	1.4 inches						
TOTAL RAINFALL (FOR PERIOD):	3.6 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 B (October 23, 2024 - December 03, 2024)

Explanation of Statistics:

MINIMUM OBSERVED	The minimum of the values recorded by the datasonde in 15 minute intervals.
MAXIMUM OBSERVED	The maximum of the values recorded by the datasonde in 15 minute intervals.
MEDIAN OBSERVED	The median of all the values recorded by the datasonde in 15 minute intervals.
MEAN OBSERVED	The average of all the values recorded by the datasonde in 15 minute intervals.
STANDARD DEVIATION	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		Sample 2					
	11/14/2024		11/14/2024					
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	13:30	28,300	15:20	24,100				
Total Suspended Solids (mg/L)	13:30	49.4	15:20	40.2				
Total Lead (mg/L)	13:30	0.011	15:20	0.009				
Total Nitrogen (mg/L)	13:30	32	15:20	19				

Notes:

Data Gaps

Calibration period occurred from 10/22-10/24.

Potential Illicit Discharges and Abnormal Events:

Potential illicit discharge occurred on 10/31 and can be visualized in the specific conductivity data. Source appears to be located closer to upstream station ROCA.

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