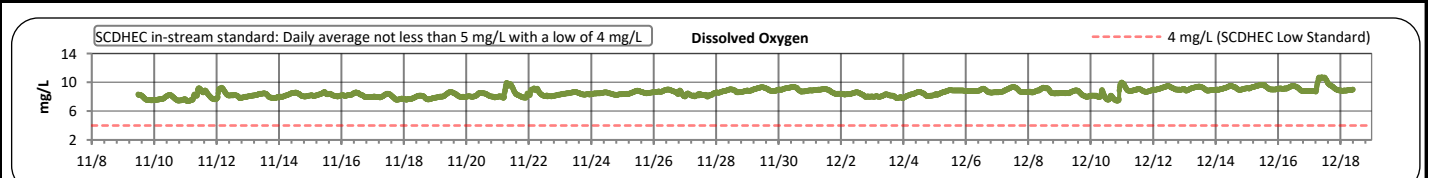
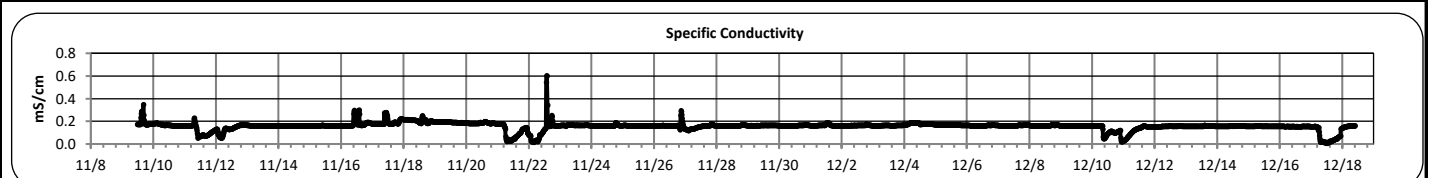
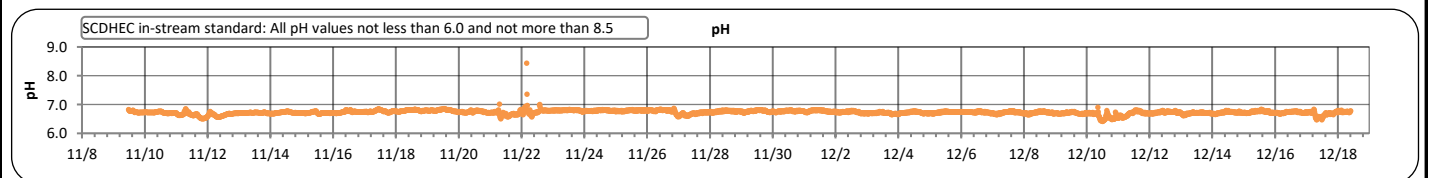
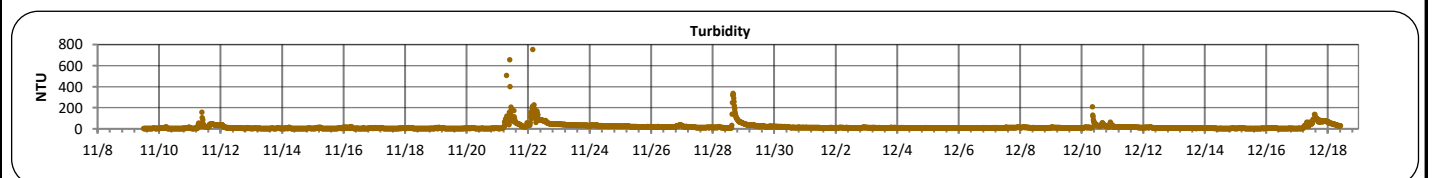
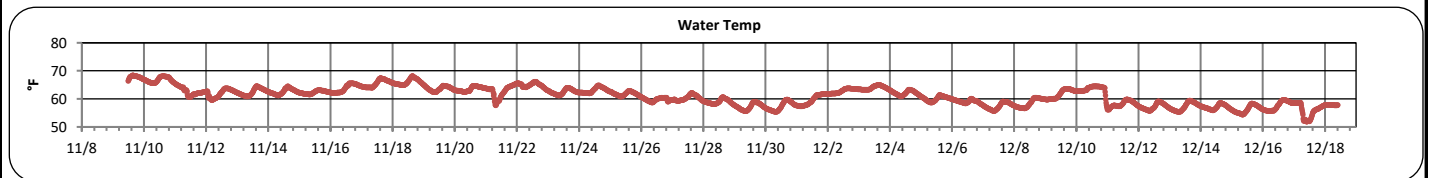
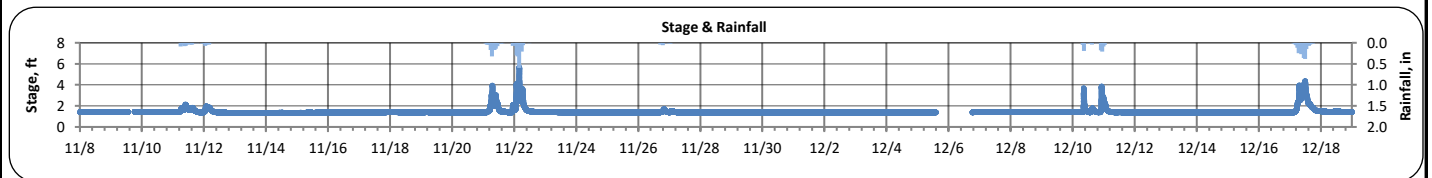


Continuous Water Quality Monitoring Periodic Report

Rocky Branch A (November 8, 2023 - December 18, 2023)

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	5.7	1.4	1.5	0.2
LOCATION:	Maxcy Gregg Park	TEMPERATURE (°F):	52	69	61	61	3
ADDRESS:	1650 Park Circle Columbia, SC 29201	TURBIDITY (NTU):	3	754	10	19	31
COORDINATES:	33.995864, -81.021842	pH:	6.4	8.5	6.8	6.7	0.1
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.006	0.602	0.162	0.157	0.037
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	7.4	10.7	8.6	8.6	0.5
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	8						
MAX. DAILY RAINFALL:	2.3 inches						
TOTAL RAINFALL (FOR PERIOD):	6.9 inches						



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

REPORT GENERATED ON 2/8/2024

Continuous Water Quality
Monitoring Periodic Report

Rocky Branch A (November 8, 2023 - December 18, 2023)

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:

Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4	
	11/16/2023		11/21/2023		11/21/2023		11/21/2023	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	12:20	82	11:30	4,200	12:55	3,350	14:16	1,920
Total Suspended Solids (mg/L)								
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

Sample 1 was collected during dry weather conditions. Samples 2 - 4 were collected during wet weather conditions.

Notes:

Data Gaps

There was a gap in stage data on 12/5 to 12/6 due to an instrument communication malfunction.

Potential Illicit Discharges and Abnormal Events:

Specific conductivity increased several times during the monitoring period, which may have been a result of fountain backwash or potential illicit discharges.

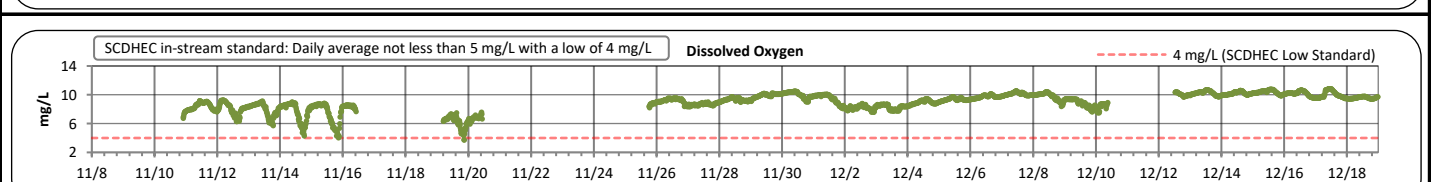
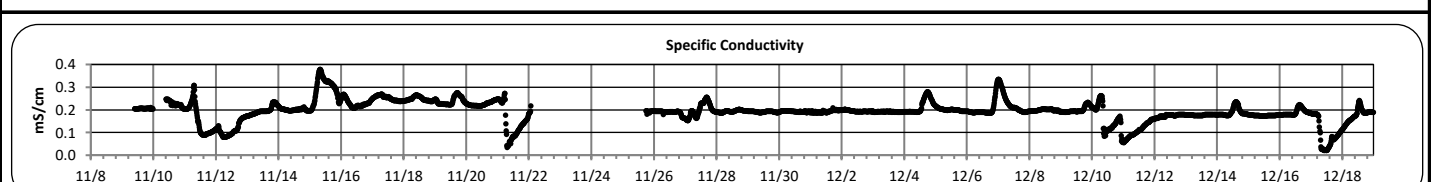
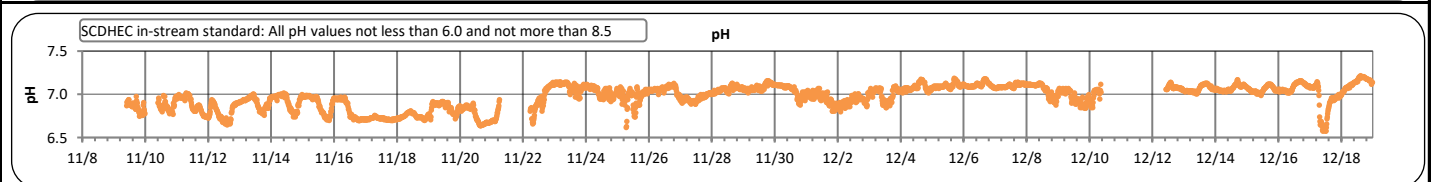
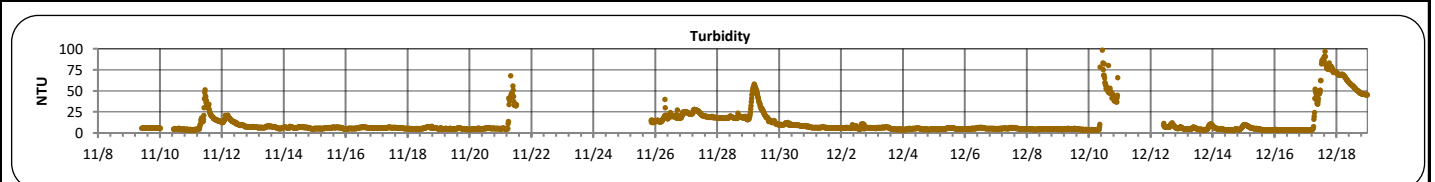
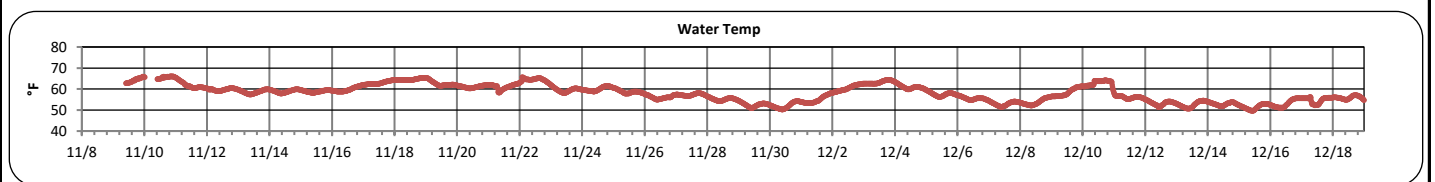
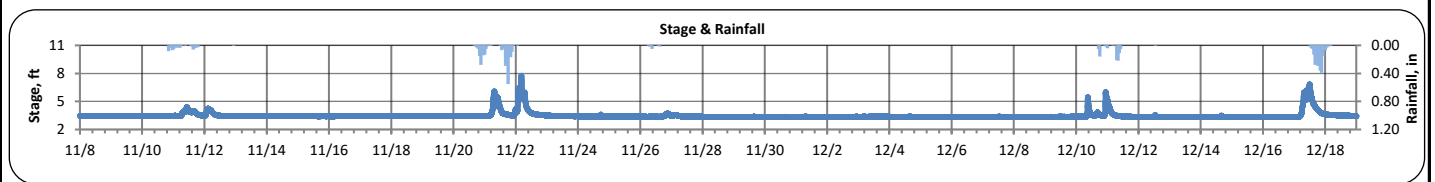
Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

REPORT GENERATED ON 2/8/2024

Continuous Water Quality
Monitoring Periodic Report

Rocky Branch B (November 8, 2023 - December 18, 2023)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Rocky Branch	STAGE (FT):	3.3	7.8	3.4	3.5	0.3
LOCATION:	Olympia Ave Crossing	TEMPERATURE (°F):	50	66	58	58	4
ADDRESS:	510 Heyward St Columbia, SC 29201	TURBIDITY (NTU):	3.35	626	6	16	34
COORDINATES:	33.982578, -81.035036	pH:	6.6	7.2	7.0	7.0	0.1
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.021	0.378	0.193	0.193	0.048
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	3.8	10.9	9.3	9.1	1.2
SPATIAL LOCATION:	Most Downstream Site						
TOTAL NO. STORMS OVER 0.1 INCH:	8						
MAX. DAILY RAINFALL:	2.4 inches						
TOTAL RAINFALL (FOR PERIOD):	6.6 inches						



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

REPORT GENERATED ON 2/8/2024

**Continuous Water Quality
Monitoring Periodic Report**

Rocky Branch B (November 8, 2023 - December 18, 2023)

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:

Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4	
	11/16/2023		11/21/2023		11/21/2023		11/21/2023	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	11:30	104	11:20	6,150	12:40	5,510	14:24	2,970
Total Suspended Solids (mg/L)								
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

Sample 1 was collected during dry weather conditions. Samples 2 - 4 were collected during wet weather conditions.

Notes:

Data Gaps

There was a gap in data on 11/9 for all water quality parameters during a sensor reinstall. There was a gap in DO data from 11/16 - 11/19. DO, specific conductivity, and turbidity had a data gap from 11/20 - 11/25 due to fouling. DO, pH, and turbidity had a data gap from 12/10 - 12/12 due to fouling.

Potential Illicit Discharges and Abnormal Events:

Specific conductivity increased several times during the monitoring period, which may have been a result of potential illicit discharges or broken waterline(s).