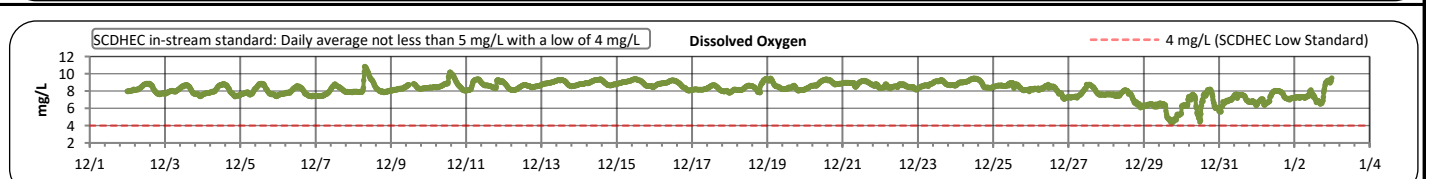
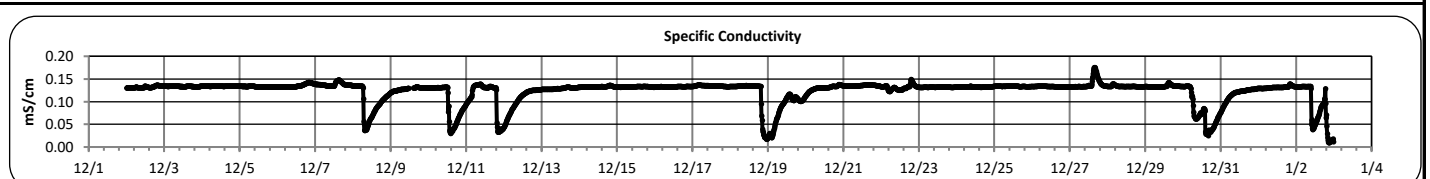
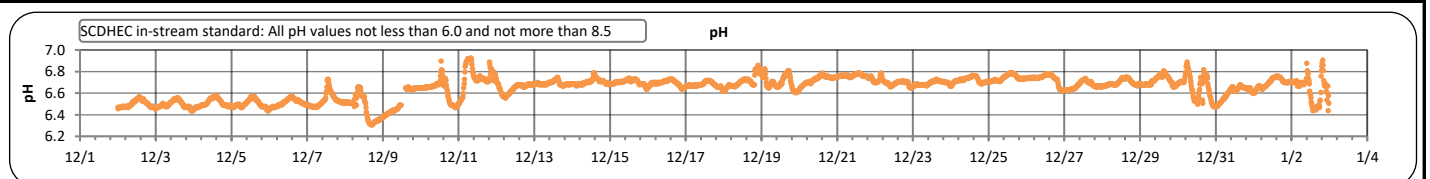
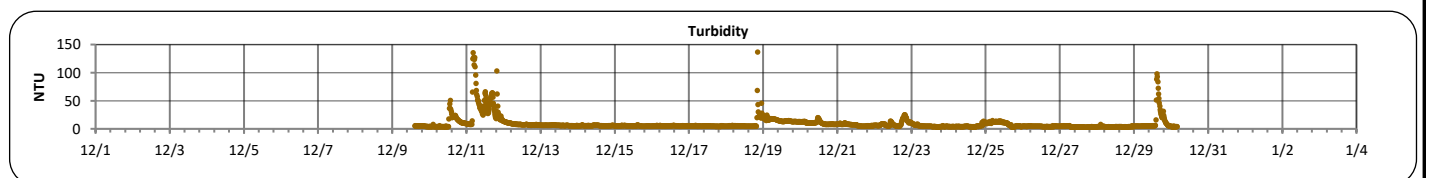
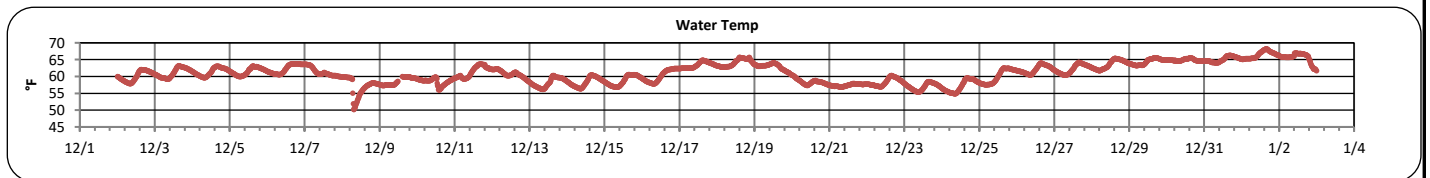
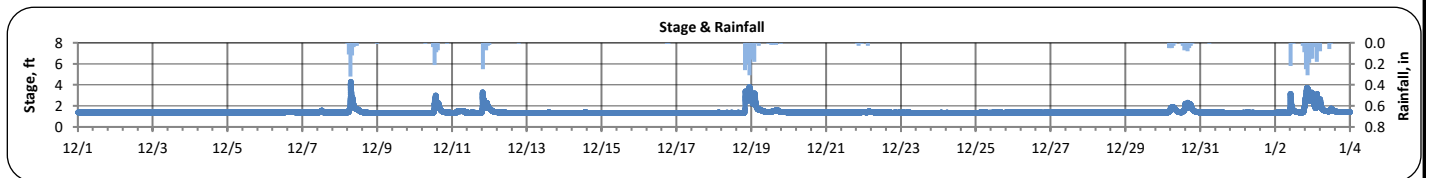


Continuous Water Quality Monitoring Periodic Report

Rocky Branch A (December 1, 2021 - January 4, 2022)

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	4.3	1.4	1.4	0.3
LOCATION:	Maxcy Gregg Park	TEMPERATURE (°F):	50	68	61	61	3
ADDRESS:	1650 Park Circle Columbia, SC 29201	TURBIDITY (NTU):	3	137	6	9	12
COORDINATES:	33.995864, -81.021842	pH:	6.3	6.9	6.7	6.6	0.1
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.009	0.175	0.133	0.124	0.025
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	4.4	10.9	8.4	8.2	0.9
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	8						
MAX. DAILY RAINFALL:	1.4 inches						
TOTAL RAINFALL (FOR PERIOD):	5.4 inches						



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

REPORT GENERATED ON 3/23/2022

**Continuous Water Quality
Monitoring Periodic Report**

Rocky Branch A (December 1, 2021 - January 4, 2022)

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	
	12/8/2021		12/8/2021		12/8/2021		12/8/2021	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	8:10	5,818	9:25	5,206	10:21	9,222	11:28	6,510
Total Suspended Solids (mg/L)	8:10	34.9	9:25	19.5	10:21	13.2	11:28	11.4
Total Phosphorus (mg/L)	8:10	0.410	9:25	0.38	10:21	0.37	11:28	0.37
Total Nitrogen (mg/L)	8:10	1.34	9:25	1.13	10:21	1.56	11:28	1.58

All samples were collected during wet weather conditions.

Notes:

Data Gaps

- There was a short gap in data for all water quality parameters on December 9th, when the 6600 sonde was removed from service and replaced with an EXO2 sonde.
- Turbidity data was unavailable from the start of the monitoring period until December 9th, because the sensor was broken.
- Turbidity data was removed from December 30th to the end of the monitoring period because the sensor collected erroneous data due to fouling.

Potential Illicit Discharges and Abnormal Events:

The specific conductivity increased on December 22nd and 27th, which may have been a result of the Maxcy Gregg pool discharge.

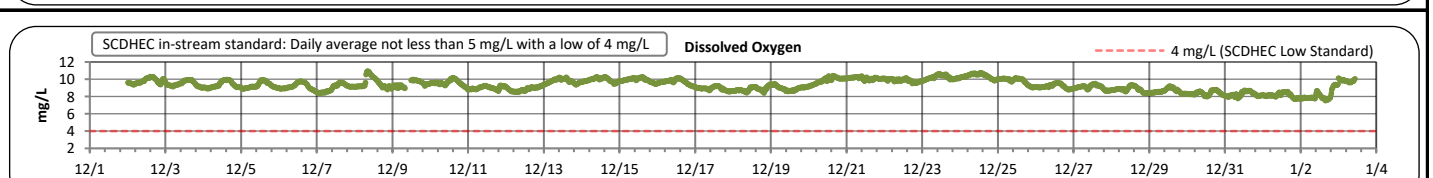
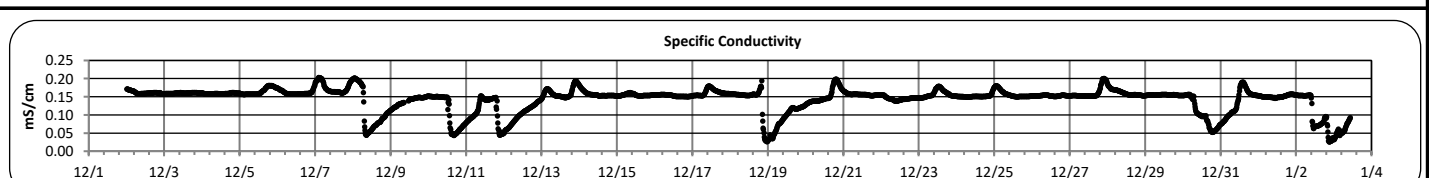
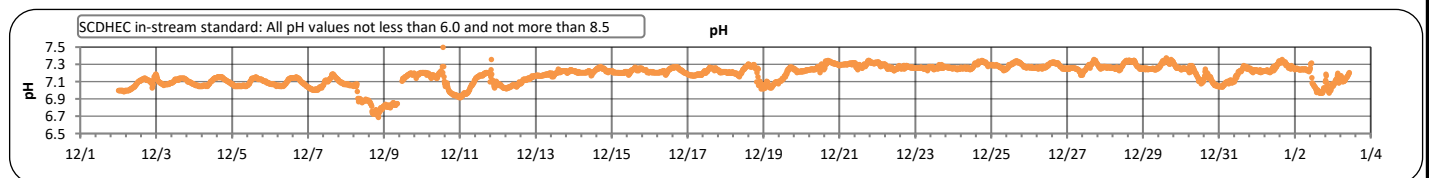
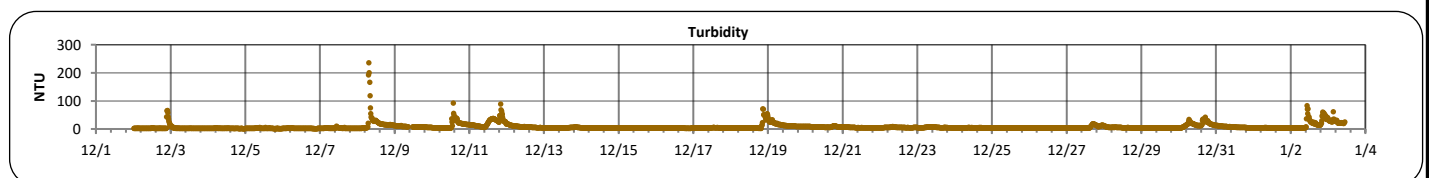
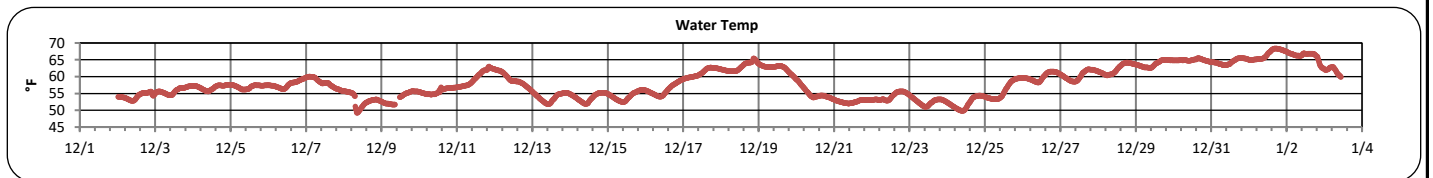
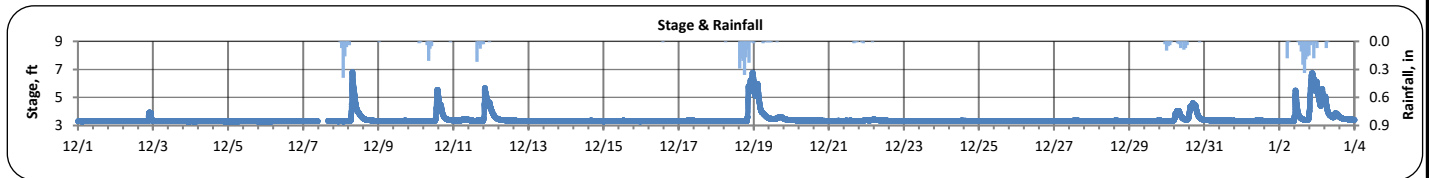
Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

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Continuous Water Quality Monitoring Periodic Report

Rocky Branch B (December 1, 2021 - January 4, 2022)

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	6.8	3.3	3.4	0.4
LOCATION:	Olympia Ave Crossing	TEMPERATURE (°F):	49	68	57	58	4
ADDRESS:	510 Heyward St Columbia, SC 29201	TURBIDITY (NTU):	1.8	235.9	4.3	8.1	11.7
COORDINATES:	33.982578, -81.035036	pH:	6.7	7.5	7.2	7.2	0.1
TMDL/IMPAIRED:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.026	0.203	0.154	0.143	0.034
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	7.6	11.0	9.3	9.3	0.7
SPATIAL LOCATION:	Most Downstream Site						
TOTAL NO. STORMS OVER 0.1 INCH:	8						
MAX. DAILY RAINFALL:	1.5 inches						
TOTAL RAINFALL (FOR PERIOD):	5.8 inches						



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

REPORT GENERATED ON 3/23/2022

**Continuous Water Quality
Monitoring Periodic Report**

Rocky Branch B (December 1, 2021 - January 4, 2022)

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	
	12/8/2021		12/8/2021		12/8/2021		12/8/2021	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	8:35	7,568	9:40	9,768	10:45	6,896	11:44	8,704
Total Suspended Solids (mg/L)	8:35	72.4	9:40	33	10:45	24.3	11:44	20.8
Total Phosphorus (mg/L)	8:35	0.48	9:40	0.40	10:45	0.36	11:44	0.35
Total Nitrogen (mg/L)	8:35	1.94	9:40	1.43	10:45	1.34	11:44	1.51

All samples were collected during wet weather conditions.

Notes:

Data Gaps

- There was a short gap in data for all water quality parameters on December 9th, when the 6600 sonde was removed from service and replaced with an EXO2 sonde.
- Stage data is unavailable for a number of hours on December 7th, because of communication errors with the pressure transducer.

Potential Illicit Discharges and Abnormal Events:

The specific conductivity increased several times throughout the monitoring period, which may have been a result of the Maxcy Gregg pool discharge.

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

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