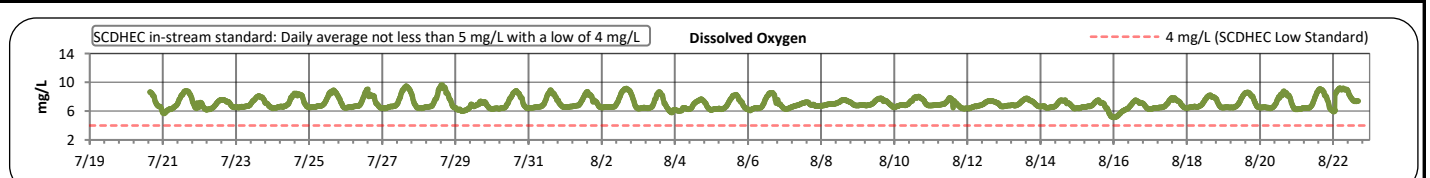
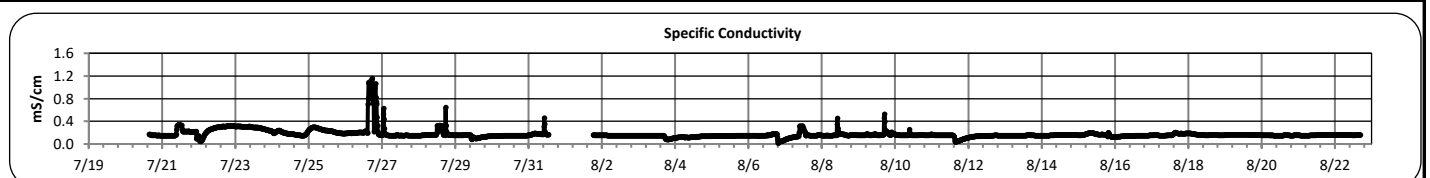
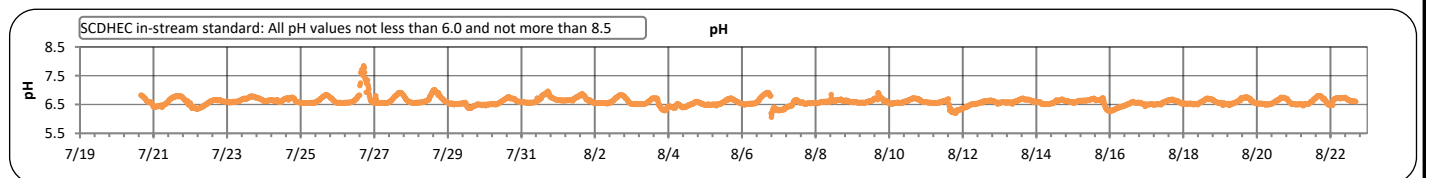
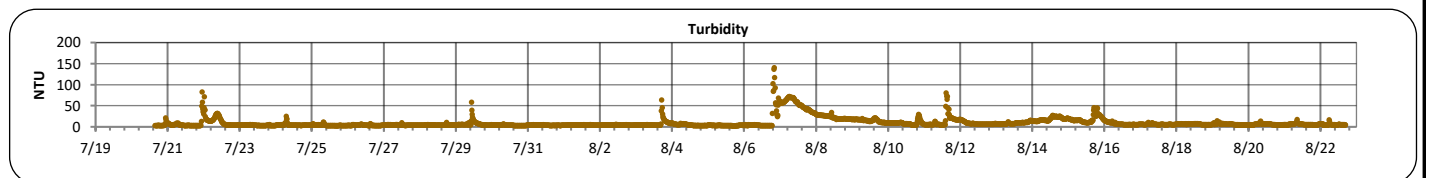
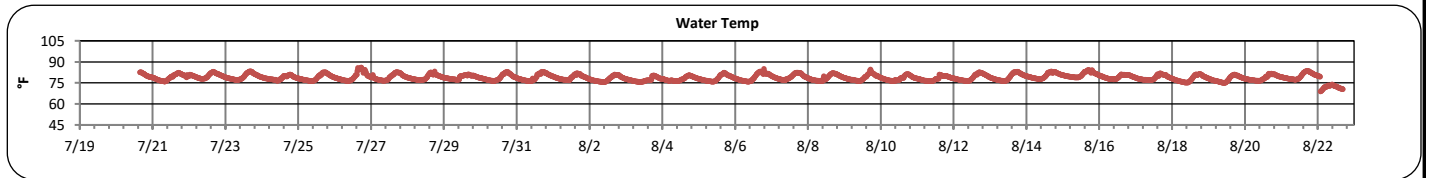
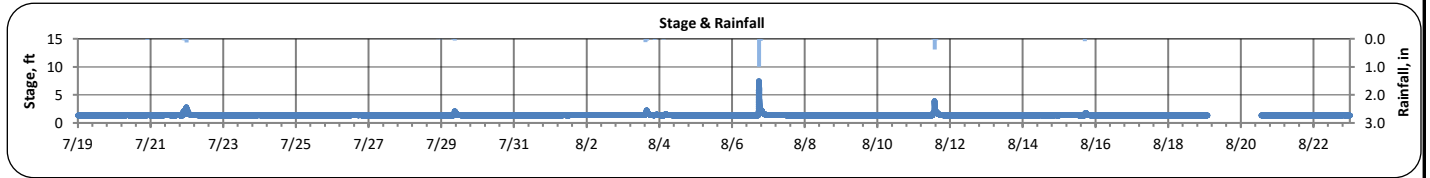


Continuous Water Quality Monitoring Periodic Report

Rocky Branch A (July 19, 2023 - August 22, 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):	1.3	7.5	1.4	1.4	0.2
LOCATION:	Maxcy Gregg Park	TEMPERATURE (°F):	69	86	79	79	2
ADDRESS:	1650 Park Circle Columbia, SC 29201	TURBIDITY (NTU):	3	141	5	10	12
COORDINATES:	33.995864, -81.021842	pH:	6.1	7.9	6.6	6.6	0.1
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.021	1.159	0.154	0.173	0.085
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	5.2	9.7	6.9	7.1	0.8
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	5						
MAX. DAILY RAINFALL:	1.1 inches						
TOTAL RAINFALL (FOR PERIOD):	2.4 inches						



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

REPORT GENERATED ON 10/24/2023

**Continuous Water Quality
Monitoring Periodic Report**

Rocky Branch A (July 19, 2023 - August 22, 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: No samples were collected during this monitoring period.

Analyte (units)								
	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

There was a gap in specific conductivity data from 7/31 – 8/1 due to fouling. There was a gap in stage data from 8/19 - 8/20 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 the Maxcy Gregg pool discharge.

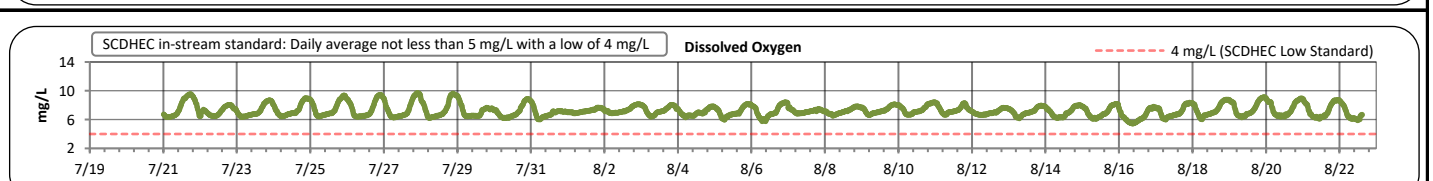
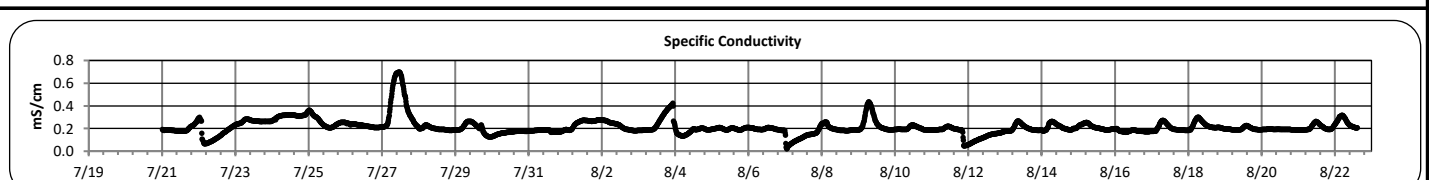
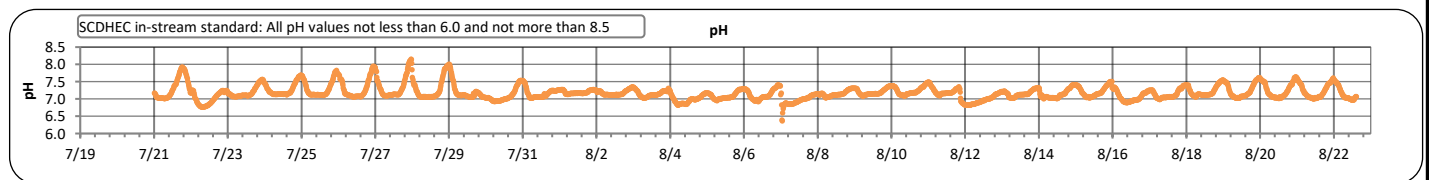
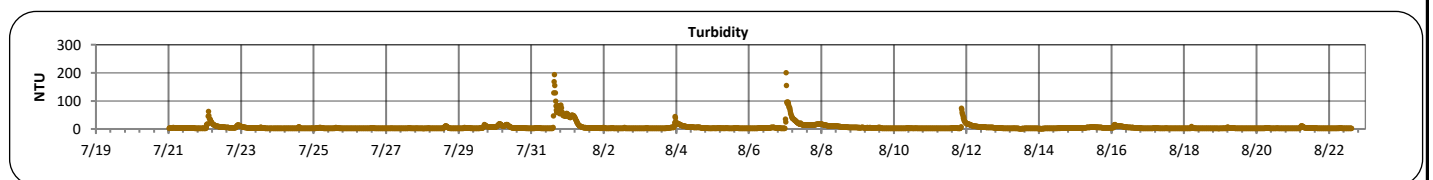
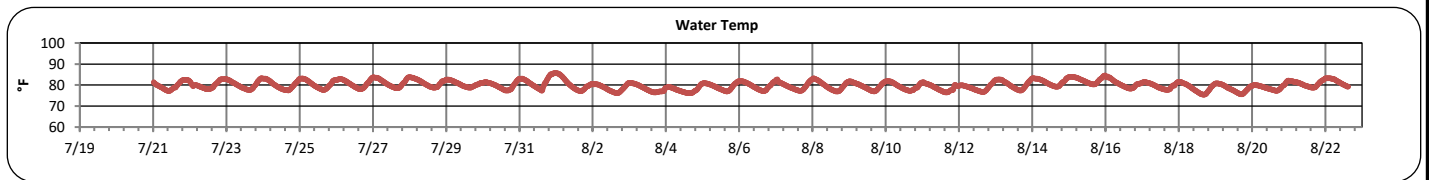
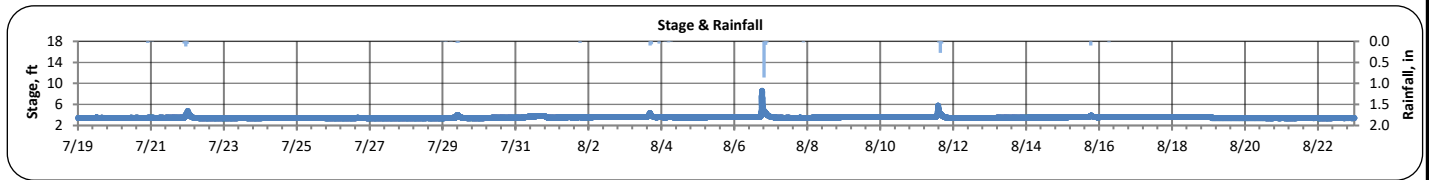
Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

REPORT GENERATED ON 10/24/2023

Continuous Water Quality Monitoring Periodic Report

Rocky Branch B (July 19, 2023 - August 22, 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):	3.4	8.7	3.5	3.6	0.2
LOCATION:	Olympia Ave Crossing	TEMPERATURE (°F):	75	86	80	80	2
ADDRESS:	510 Heyward St Columbia, SC 29201	TURBIDITY (NTU):	2	201	3	7	12
COORDINATES:	33.982578, -81.035036	pH:	6.4	8.2	7.1	7.2	0.2
TMDL/IMPAIRED:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.022	0.698	0.197	0.214	0.070
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	5.4	9.7	7.1	7.3	0.8
SPATIAL LOCATION:	Most Downstream Site						
TOTAL NO. STORMS OVER 0.1 INCH:	5						
MAX. DAILY RAINFALL:	1.0 inches						
TOTAL RAINFALL (FOR PERIOD):	2.2 inches						



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

REPORT GENERATED ON 10/24/2023

**Continuous Water Quality
Monitoring Periodic Report**

Rocky Branch B (July 19, 2023 - August 22, 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: Sample 1 was collected during dry weather conditions.

Analyte (units)	Sample 1							
	7/25/2023							
	Time	Results	Time	Results	Time	Results		
<i>Escherichia coli</i> (MPN/100mL)	7:25	322						
Total Suspended Solids (mg/L)								
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

Notes:

Data Gaps

There were no data gaps at ROCB during this monitoring period.

Potential Illicit Discharges and Abnormal Events:

Specific conductivity increased several times during 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

REPORT GENERATED ON 10/24/2023