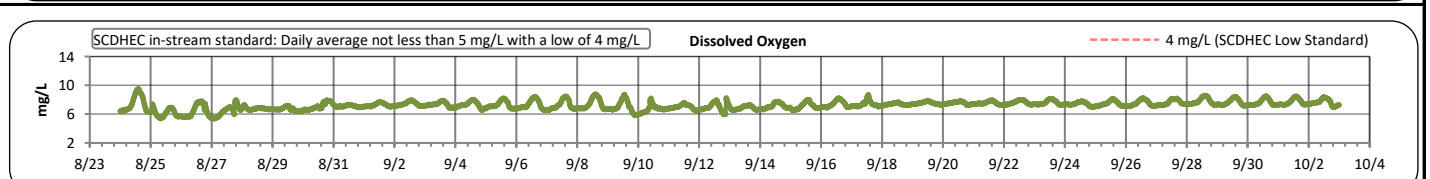
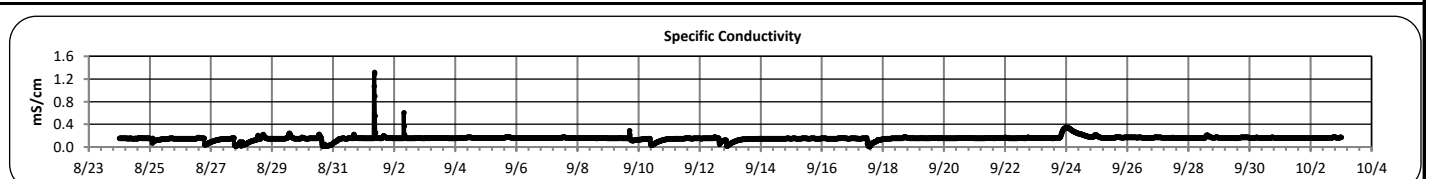
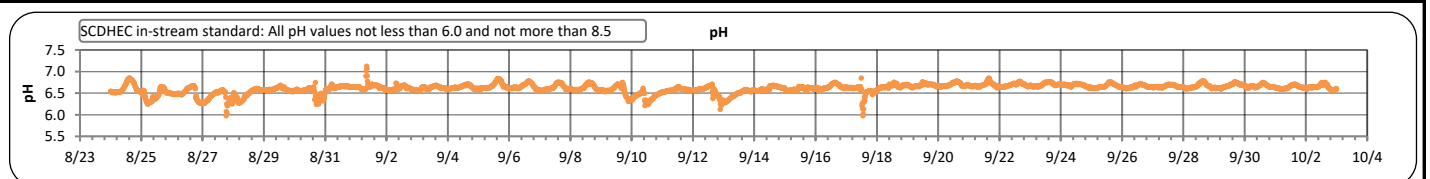
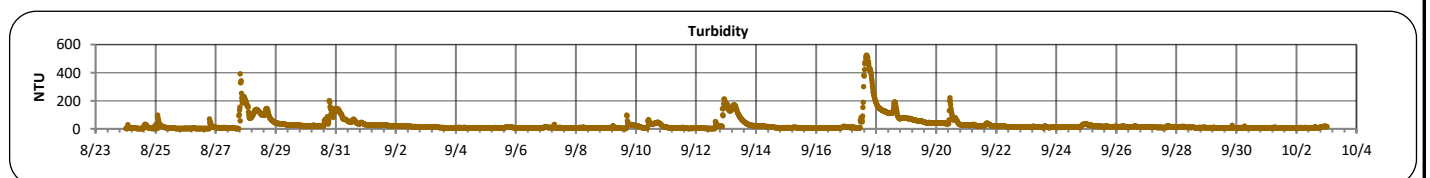
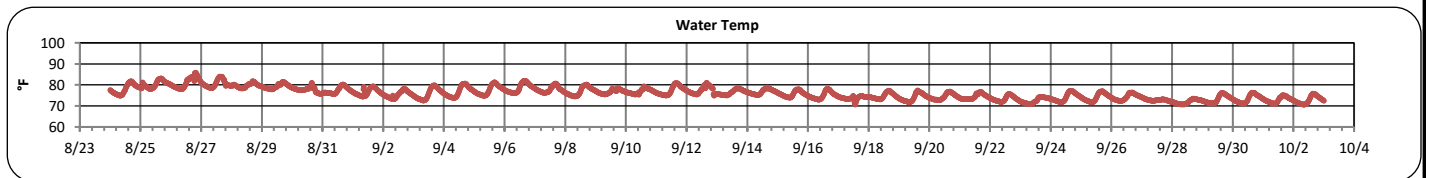
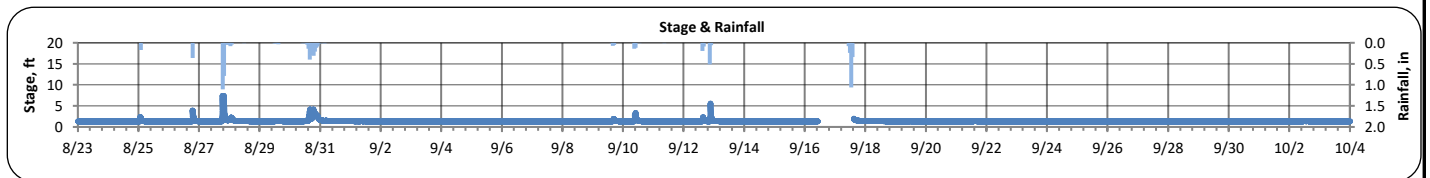


# Continuous Water Quality Monitoring Periodic Report

Rocky Branch A (August 23, 2023 - October 3, 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	0.3
LOCATION:	Maxcy Gregg Park	TEMPERATURE (°F):	71	86	76	76	3
ADDRESS:	1650 Park Circle Columbia, SC 29201	TURBIDITY (NTU):	3	526	12	30	53
COORDINATES:	33.995864, -81.021842	pH:	6.0	7.1	6.6	6.6	0.1
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.009	1.316	0.157	0.155	0.047
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	5.4	9.5	7.3	7.3	0.6
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	9						
MAX. DAILY RAINFALL:	2.0 inches						
TOTAL RAINFALL (FOR PERIOD):	7.4 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 (August 23, 2023 - October 3, 2023)**

**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:** All samples were collected during wet weather conditions.

Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4	
	8/30/2023		8/30/2023		8/30/2023		8/30/2023	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	10:05	700	13:03	2,500	14:06	2,790	15:34	19,200
Total Suspended Solids (mg/L)	10:05	4.4	13:03	4.9	14:06	9.1	15:34	83.2
Total Phosphorus (mg/L)	10:05	0.079	13:03	0.094	14:06	0.098	15:34	0.18
Total Nitrogen (mg/L)	10:05	1.87	13:03	2.26	14:06	2.07	15:34	1.00

**Notes:**

Data Gaps

There was a gap in stage data on 9/17 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.

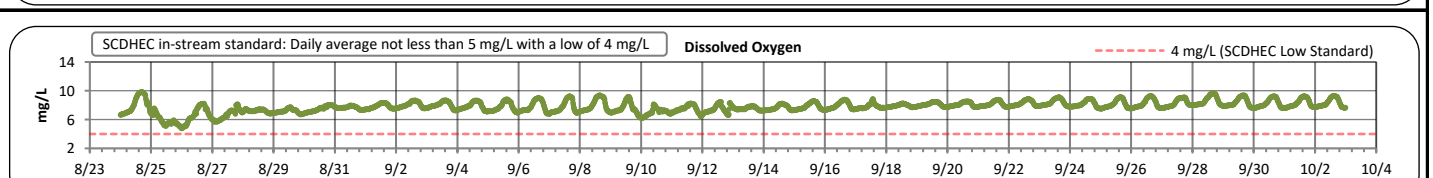
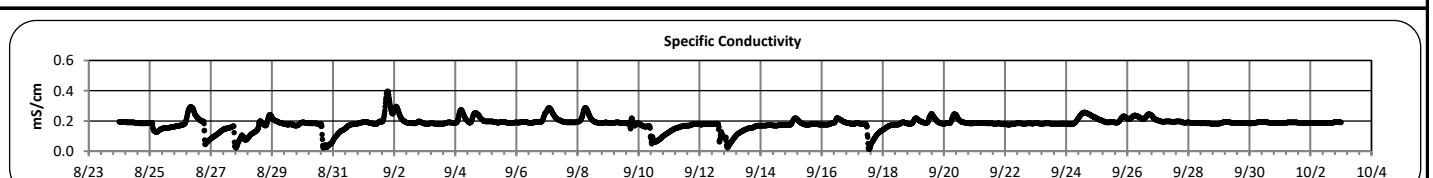
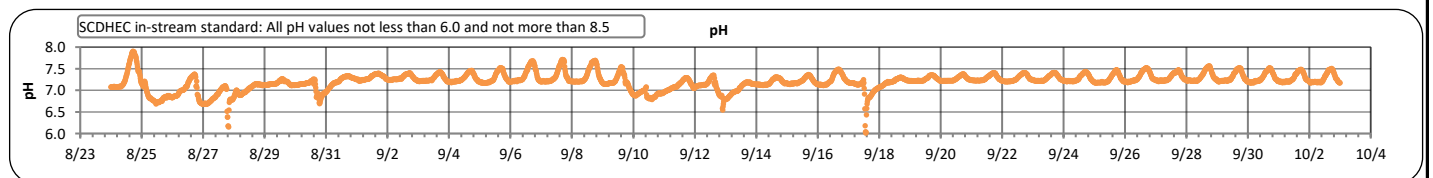
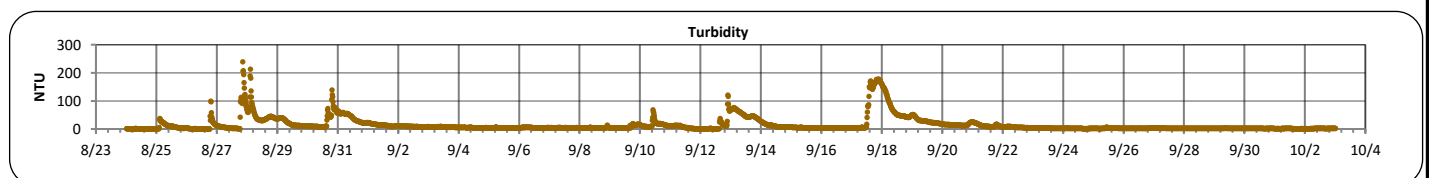
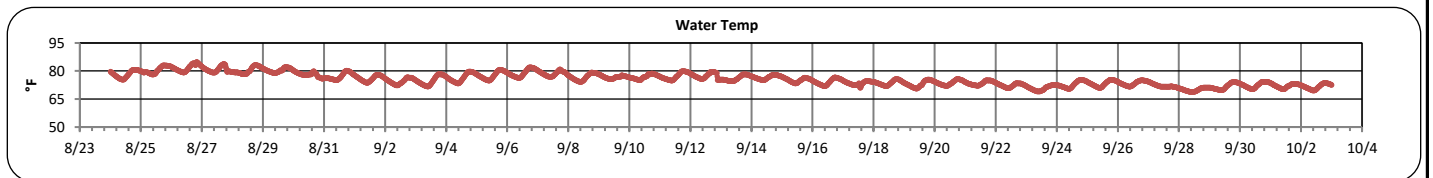
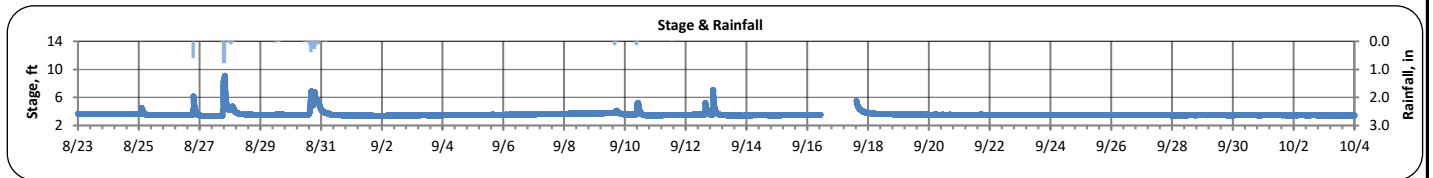
Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

REPORT GENERATED ON 10/24/2023

Continuous Water Quality  
Monitoring Periodic Report

Rocky Branch B (August 23, 2023 - October 3, 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	9.2	3.5	3.6	0.4
LOCATION:	Olympia Ave Crossing	TEMPERATURE (°F):	69	85	75	76	3
ADDRESS:	510 Heyward St Columbia, SC 29201	TURBIDITY (NTU):	0.39	301	5	15	27
COORDINATES:	33.982578, -81.035036	pH:	6.0	7.9	7.2	7.2	0.2
TMDL/IMPAIMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.014	0.397	0.187	0.182	0.041
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	4.8	9.9	7.8	7.8	0.8
SPATIAL LOCATION:	Most Downstream Site						
TOTAL NO. STORMS OVER 0.1 INCH:	5						
MAX. DAILY RAINFALL:	1.7 inches						
TOTAL RAINFALL (FOR PERIOD):	4.4 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 B (August 23, 2023 - October 3, 2023)**

**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:** All samples were collected during wet weather conditions.

Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4	
	8/30/2023		8/30/2023		8/30/2023		8/30/2023	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	10:20	82	13:20	320	14:22	584	15:55	34,700
Total Suspended Solids (mg/L)	10:20	1.6	13:20	2.3	14:22	10.4	15:55	126
Total Phosphorus (mg/L)	10:20	0.14	13:20	0.12	14:22	0.15	15:55	0.24
Total Nitrogen (mg/L)	10:20	1.68	13:20	2.06	14:22	0.75	15:55	1.18

**Notes:**

Data Gaps

There was a gap in stage data on 9/17 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

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