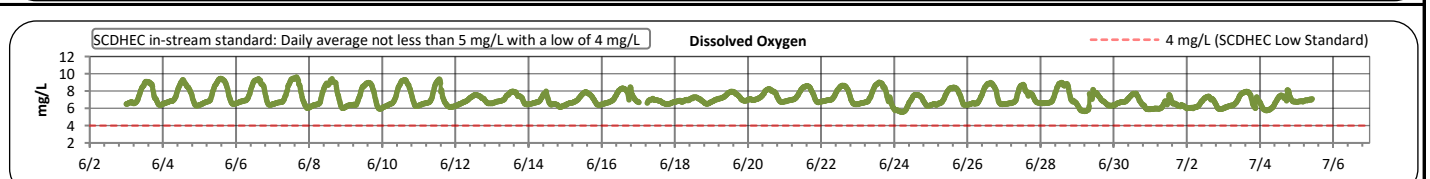
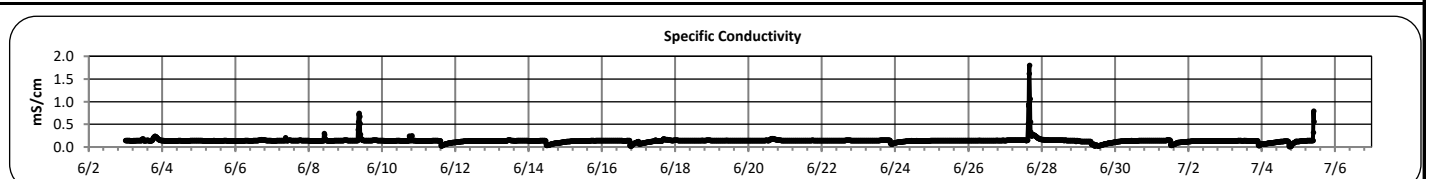
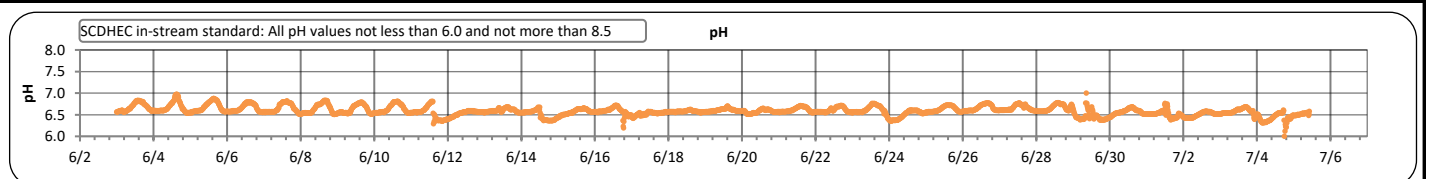
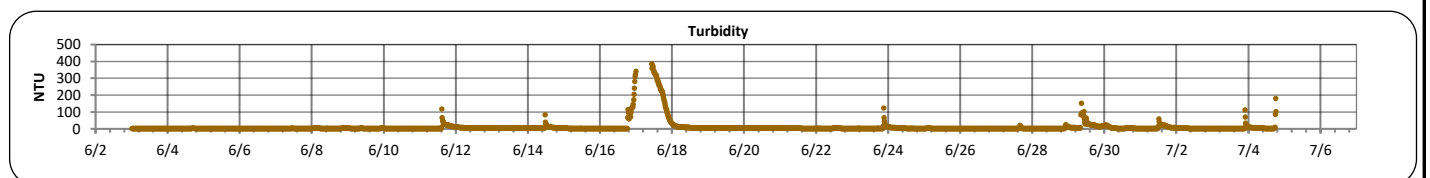
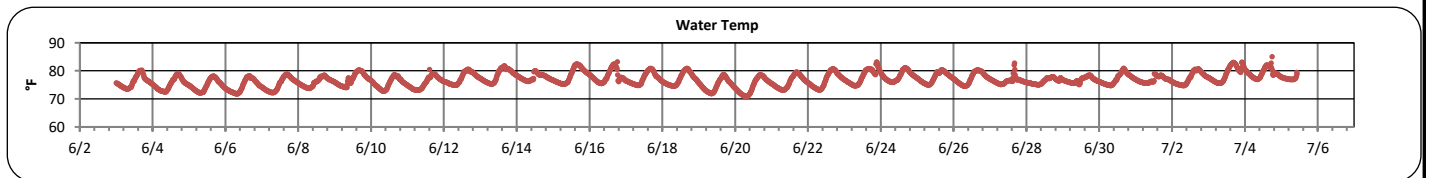
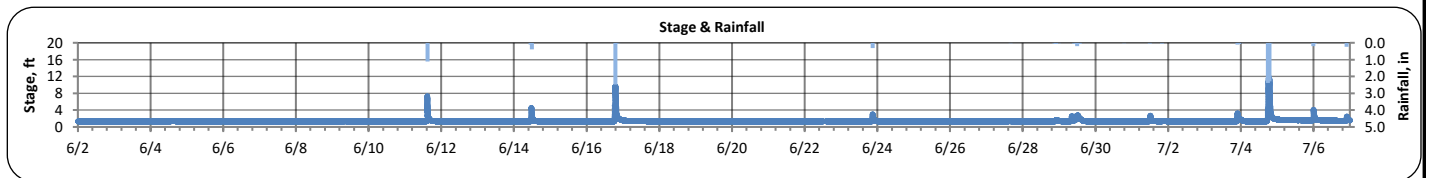


Continuous Water Quality Monitoring Periodic Report

Rocky Branch A (June 2, 2022 - July 6, 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):	1.3	11.8	1.4	1.4	0.5
LOCATION:	Maxcy Gregg Park	TEMPERATURE (°F):	71	85	77	77	2
ADDRESS:	1650 Park Circle Columbia, SC 29201	TURBIDITY (NTU):	2	387	3	10	35
COORDINATES:	33.995864, -81.021842	pH:	6.0	8.0	6.6	6.6	0.1
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.012	1.802	0.141	0.139	0.061
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	5.6	9.6	6.9	7.2	0.9
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	10						
MAX. DAILY RAINFALL:	4.7 inches						
TOTAL RAINFALL (FOR PERIOD):	10.7 inches						



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

REPORT GENERATED ON 9/12/2022

**Continuous Water Quality
Monitoring Periodic Report**

Rocky Branch A (June 2, 2022 - July 6, 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	
	6/14/2022		6/29/2022		6/29/2022		6/29/2022	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	10:15	840	11:47	31,060	13:20	13,730	14:25	16,330
Total Suspended Solids (mg/L)			11:47	112.0	13:20	24.9	14:25	16.6
Total Phosphorus (mg/L)			11:47	0.27	13:20	0.12	14:25	0.12
Total Nitrogen (mg/L)			11:47	2.03	13:20	1.18	14:25	1.11

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

Notes:

Data Gaps

Turbidity data was removed on June 17th and from July 4th until the end of the monitoring period due to fouling.
DO data was removed on June 17th due to fouling.

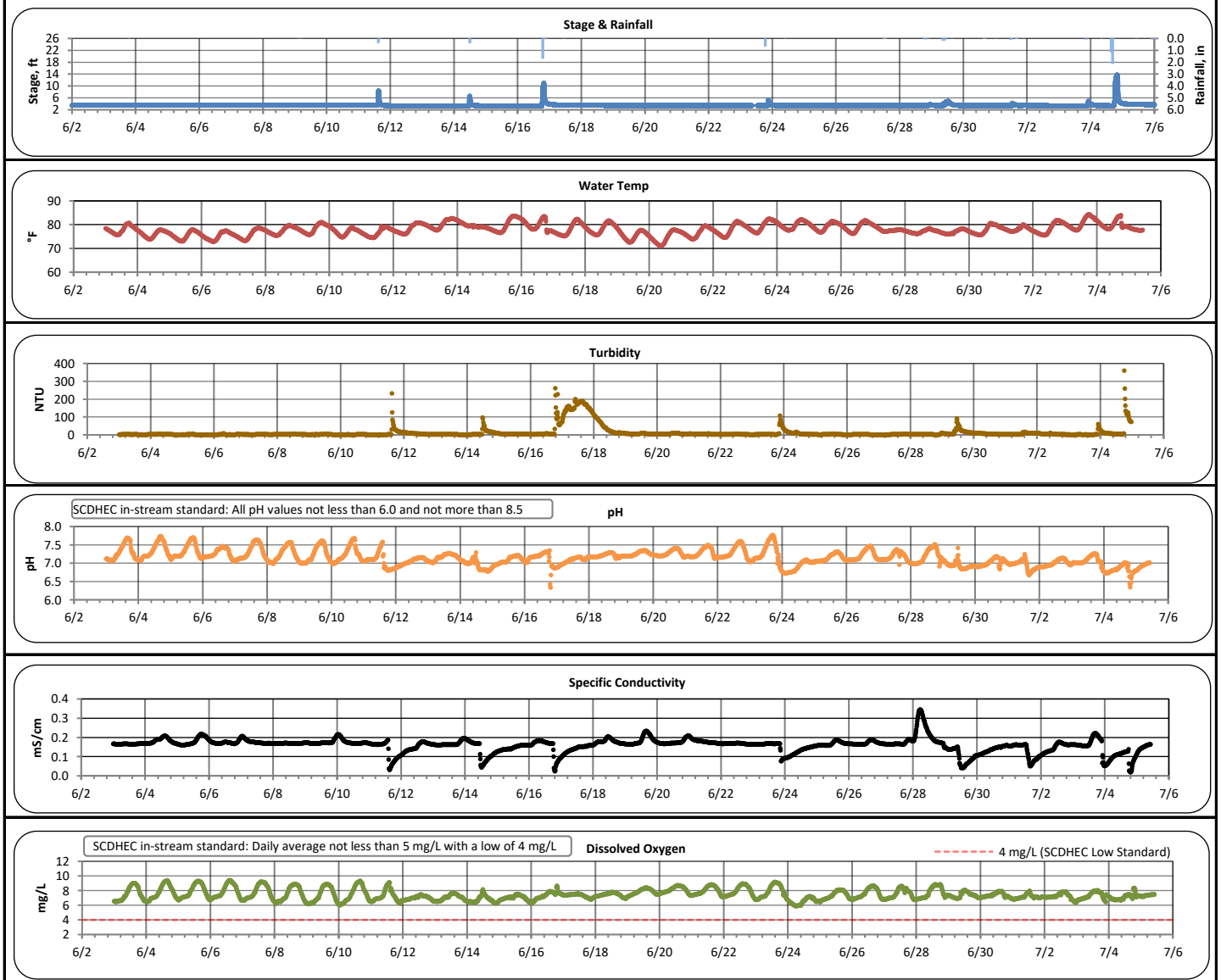
Potential Illicit Discharges and Abnormal Events:

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

Continuous Water Quality Monitoring Periodic Report

Rocky Branch B (June 2, 2022 - July 6, 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	13.9	3.5	3.6	0.6
LOCATION:	Olympia Ave Crossing	TEMPERATURE (°F):	71	84	78	78	2
ADDRESS:	510 Heyward St Columbia, SC 29201	TURBIDITY (NTU):	2	360	4	13	32
COORDINATES:	33.982578, -81.035036	pH:	6.3	7.8	7.1	7.2	0.2
TMDL/IMPAIRED:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.020	0.345	0.167	0.160	0.036
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	5.9	9.4	7.3	7.5	0.7
SPATIAL LOCATION:	Most Downstream Site						
TOTAL NO. STORMS OVER 0.1 INCH:	11						
MAX. DAILY RAINFALL:	3.3 inches						
TOTAL RAINFALL (FOR PERIOD):	8.2 inches						



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

REPORT GENERATED ON 9/12/2022

**Continuous Water Quality
Monitoring Periodic Report**

Rocky Branch B (June 2, 2022 - July 6, 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	
	6/14/2022		6/22/2022		6/28/2022		6/29/2022	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	10:24	218	8:54	538	11:40	240	12:02	39,730
Total Suspended Solids (mg/L)							12:02	74.0
Total Phosphorus (mg/L)							12:02	0.20
Total Nitrogen (mg/L)							12:02	1.74

Analyte (units)	Sample 5		Sample 6		Sample 7		Sample 8	
	6/29/2022		6/29/2022					
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	13:34	17,330	14:40	10,340				
Total Suspended Solids (mg/L)	13:34	42.3	14:40	17.8				
Total Phosphorus (mg/L)	13:34	0.16	14:40	0.13				
Total Nitrogen (mg/L)	13:34	1.40	14:40	1.15				

Samples 1-3 were collected during dry weather conditions. Samples 4-6 were collected during wet weather conditions.

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

REPORT GENERATED ON 9/12/2022

**Continuous Water Quality
Monitoring Periodic Report**

Rocky Branch B (June 2, 2022 - July 6, 2022)

Notes:

Data Gaps

Turbidity data was removed from July 4th until the end of the monitoring period due to sensor fouling.

Potential Illicit Discharges and Abnormal Events:

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