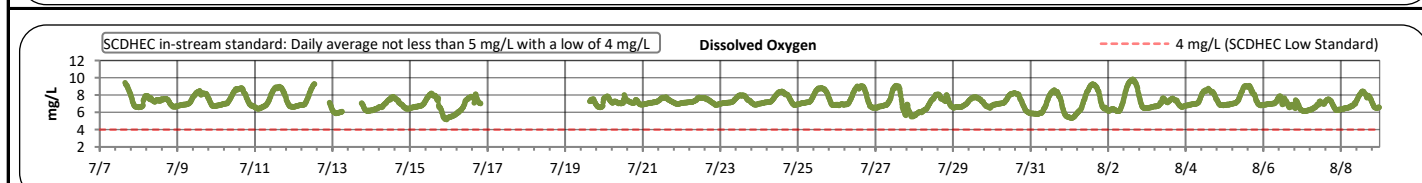
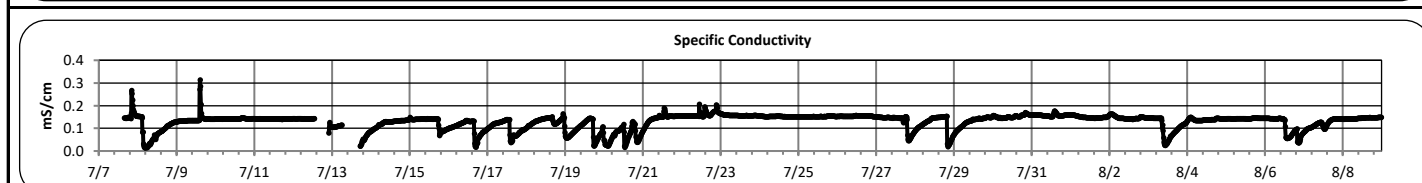
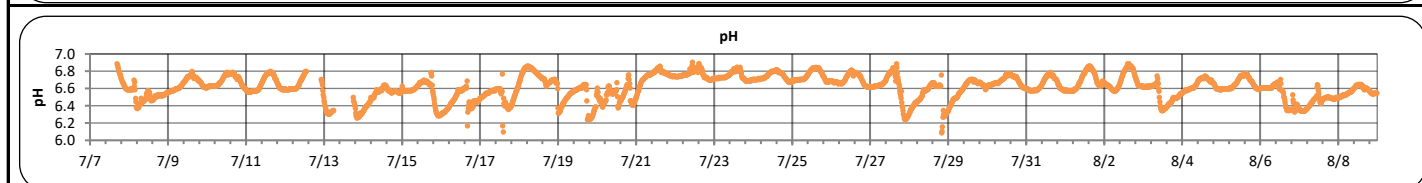
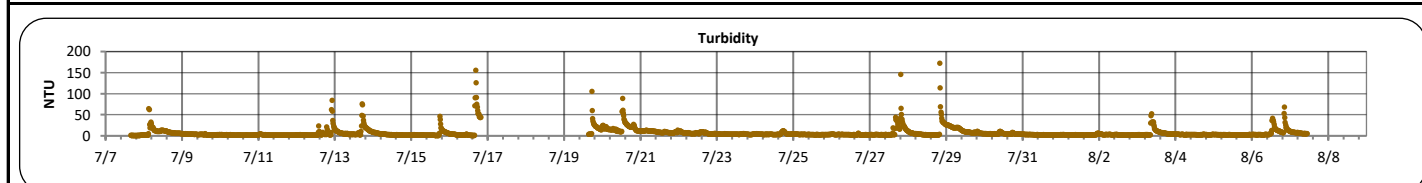
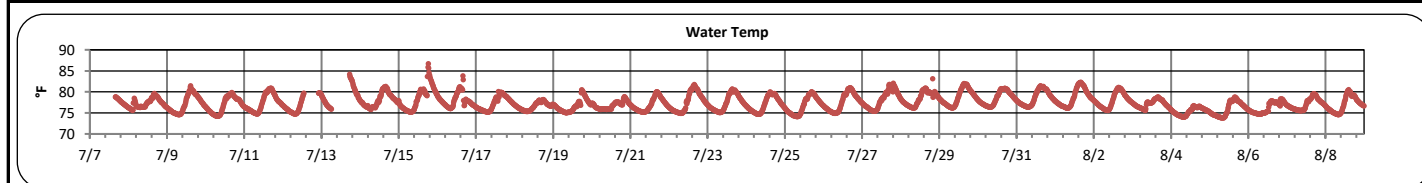
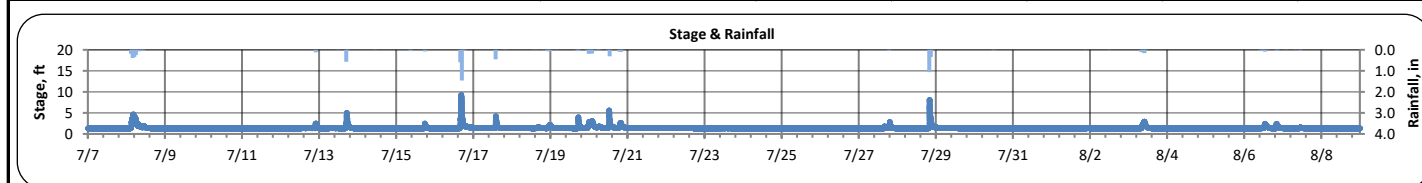


Rocky Branch A (July 7, 2021 - August 9, 2021)

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	9.3	1.4	1.4	0.4
LOCATION:	Maxcy Gregg Park	TEMPERATURE (°F):	74	87	77	77	2
ADDRESS:	1650 Park Circle Columbia, SC 29201	TURBIDITY (NTU):	1	173	4	7	11
COORDINATES:	33.995864, -81.021842	pH:	6.1	6.9	6.6	6.6	0.1
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.014	0.314	0.142	0.131	0.033
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	5.2	9.9	7.1	7.2	0.8
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	12						
MAX. DAILY RAINFALL:	2.1 inches						
TOTAL RAINFALL (FOR PERIOD):	8.5 inches						



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

**Continuous Water Quality
Monitoring Periodic Report**

Rocky Branch A (July 7, 2021 - August 9, 2021)

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	
	8/3/2021		8/3/2021		8/3/2021			
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	8:50	28,270	10:30	16,330	12:55	6,564		
Total Suspended Solids (mg/L)	8:50	27.7	10:30	14	12:55	7.9		
Total Phosphorus (mg/L)	8:50	0.25	10:30	0.12	12:55	0.085		
Total Nitrogen (mg/L)	8:50	2.16	10:30	0.913	12:55	1.09		

All samples were collected during wet weather conditions.

Notes:

Data Gaps

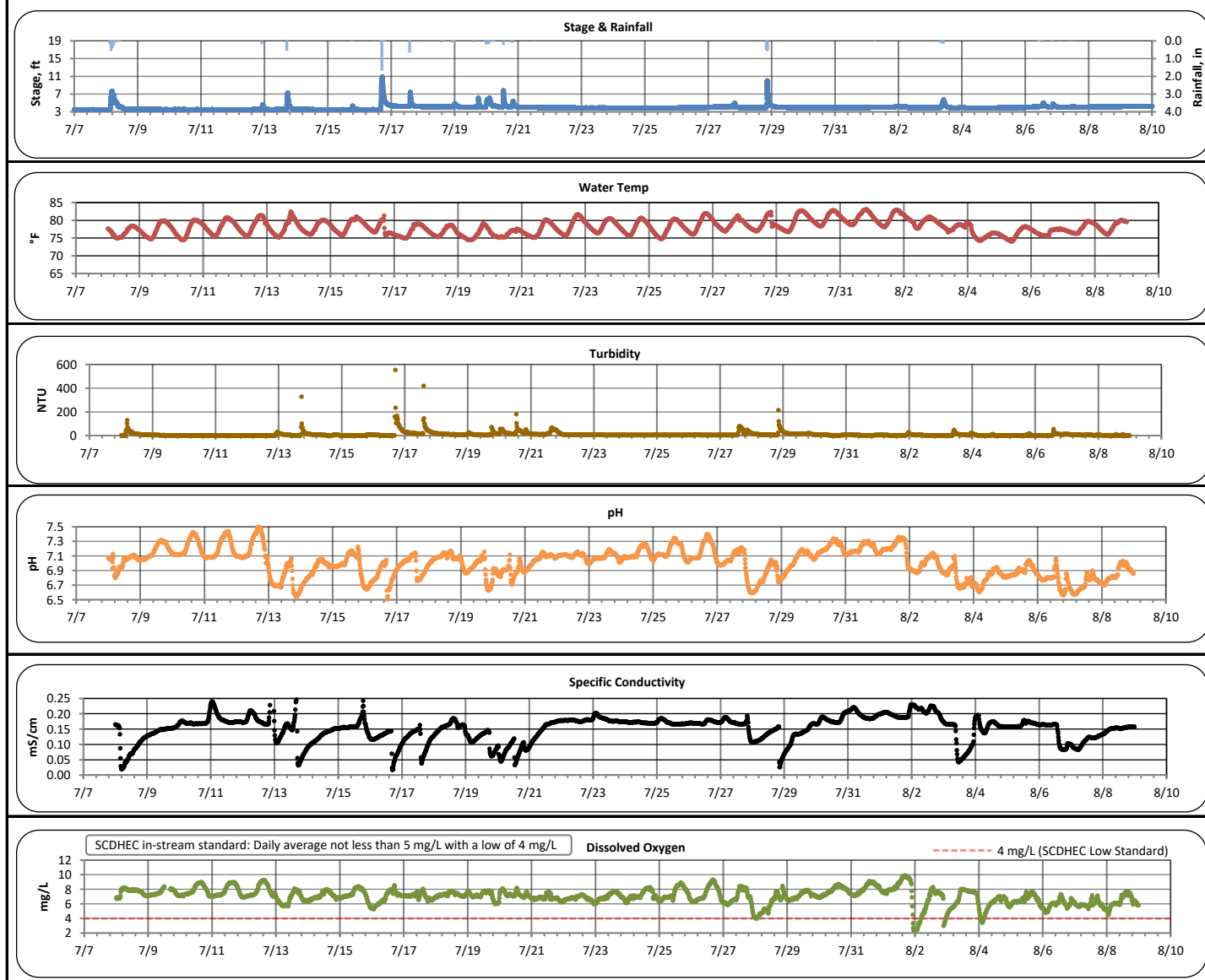
Brief periods of DO, pH, specific conductivity, and temperature data were removed on July 12th and July 13th, possibly due to the sensors becoming unsubmerged. DO and turbidity data were removed on July 17th to July 19th, because the sensors were buried.

Potential Illicit Discharges and Abnormal Events:

The specific conductivity increased on July 7th, July 9th, July 21st, July 22nd, and July 31st, which may have been a result of the Maxcy Gregg pool discharge.

Rocky Branch B (July 7, 2021 - August 9, 2021)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Rocky Branch	STAGE (FT):	3.5	10.9	4.0	4.0	0.5
LOCATION:	Olympia Ave Crossing	TEMPERATURE (°F):	74	83	78	78	2
ADDRESS:	510 Heyward St Columbia, SC 29201	TURBIDITY (NTU):	1	554	6	11	21
COORDINATES:	33.982578, -81.035036	pH:	6.5	7.5	7.1	7.0	0.2
TMDL/IMPAIRED:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.017	0.421	0.164	0.152	0.042
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	2.4	9.9	7.1	7.1	1.1
SPATIAL LOCATION:	Most Downstream Site						
TOTAL NO. STORMS OVER 0.1 INCH:	13						
MAX. DAILY RAINFALL:	1.8 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

**Continuous Water Quality
Monitoring Periodic Report**

Rocky Branch B (July 7, 2021 - August 9, 2021)

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	
	8/3/2021		8/3/2021		8/3/2021			
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	9:17	5,206	10:47	18,420	13:08	12,260		
Total Suspended Solids (mg/L)	9:17	80	10:47	29.5	13:08	7.6		
Total Phosphorus (mg/L)	9:17	0.30	10:47	0.20	13:08	0.11		
Total Nitrogen (mg/L)	9:17	2.9	10:47	1.37	13:08	1.11		

All samples were collected during wet weather conditions.

Notes:

Data Gaps

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

Potential Illicit Discharges and Abnormal Events:

The specific conductivity increased several times during this monitoring period, which may have been a result of the Maxcy Gregg pool discharge. Such instances occurred on July 11th, July 12th, July 13th, and July 15th.