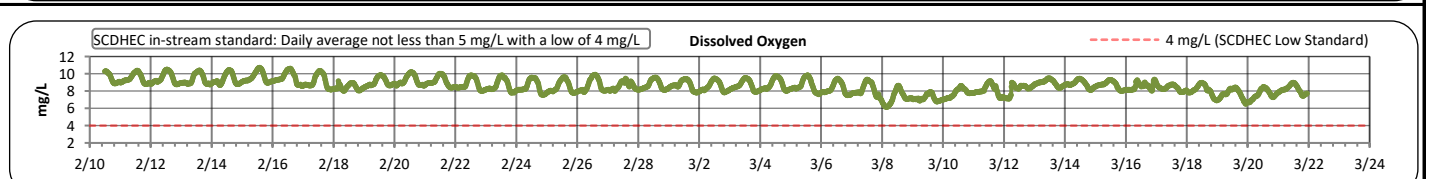
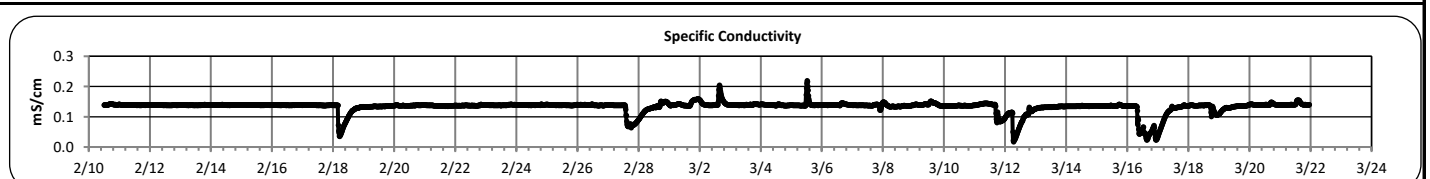
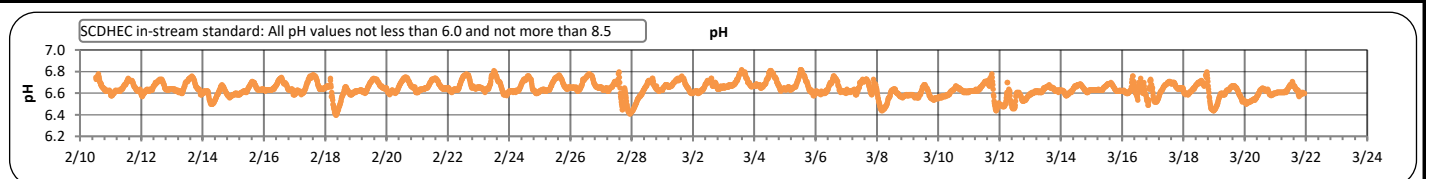
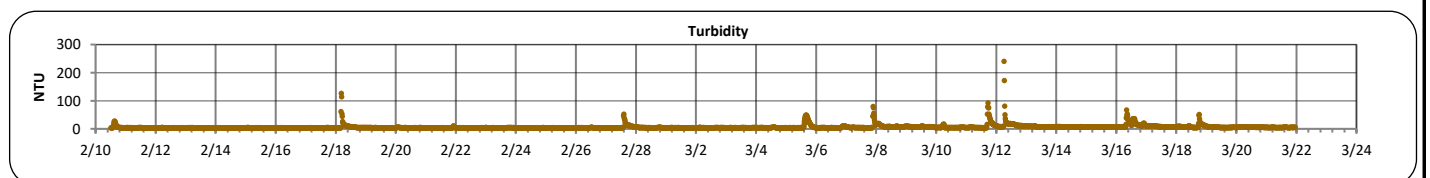
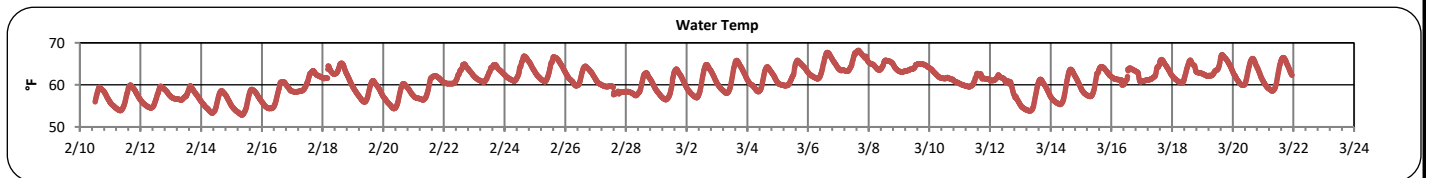
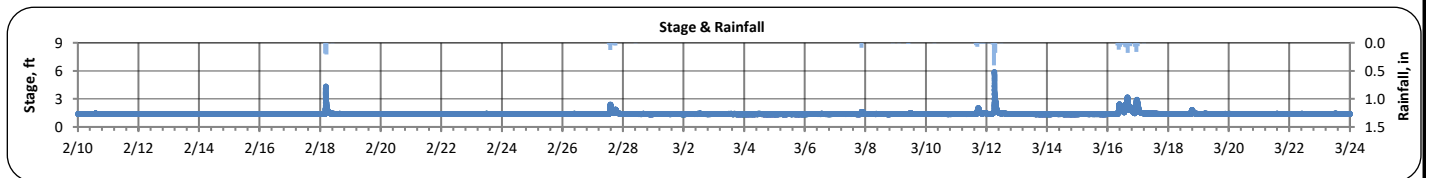


Continuous Water Quality Monitoring Periodic Report

Rocky Branch A (February 10, 2022 - March 23, 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	5.9	1.4	1.4	0.1
LOCATION:	Maxcy Gregg Park	TEMPERATURE (°F):	53	68	61	61	3
ADDRESS:	1650 Park Circle Columbia, SC 29201	TURBIDITY (NTU):	3	241	4	7	8
COORDINATES:	33.995864, -81.021842	pH:	6.4	6.8	6.6	6.6	0.1
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.018	0.220	0.138	0.133	0.019
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	6.2	10.7	8.6	8.6	0.8
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	5						
MAX. DAILY RAINFALL:	1.0 inches						
TOTAL RAINFALL (FOR PERIOD):	2.8 inches						



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 A (February 10, 2022 - March 23, 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.

Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4	
	3/9/2022		3/16/2022		3/16/2022		3/16/2022	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	12:55	1076	10:25	8,320	11:55	7,308	14:10	2,668
Total Suspended Solids (mg/L)	12:55	3.9	10:25	30.0	11:55	14.0	14:10	31.0
Total Phosphorus (mg/L)	12:55	0.11	10:25	0.20	11:55	0.15	14:10	0.16
Total Nitrogen (mg/L)	12:55	2.23	10:25	1.56	11:55	1.28	14:10	1.37

Analyte (units)	Sample 5							
	3/16/2022							
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	16:00	2,582						
Total Suspended Solids (mg/L)	16:00	39.8						
Total Phosphorus (mg/L)	16:00	0.17						
Total Nitrogen (mg/L)	16:00	1.01						

All samples 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

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**Continuous Water Quality
Monitoring Periodic Report**

Rocky Branch A (February 10, 2022 - March 23, 2022)

Notes:

Data Gaps

There are no data gaps at ROCA for this monitoring period.

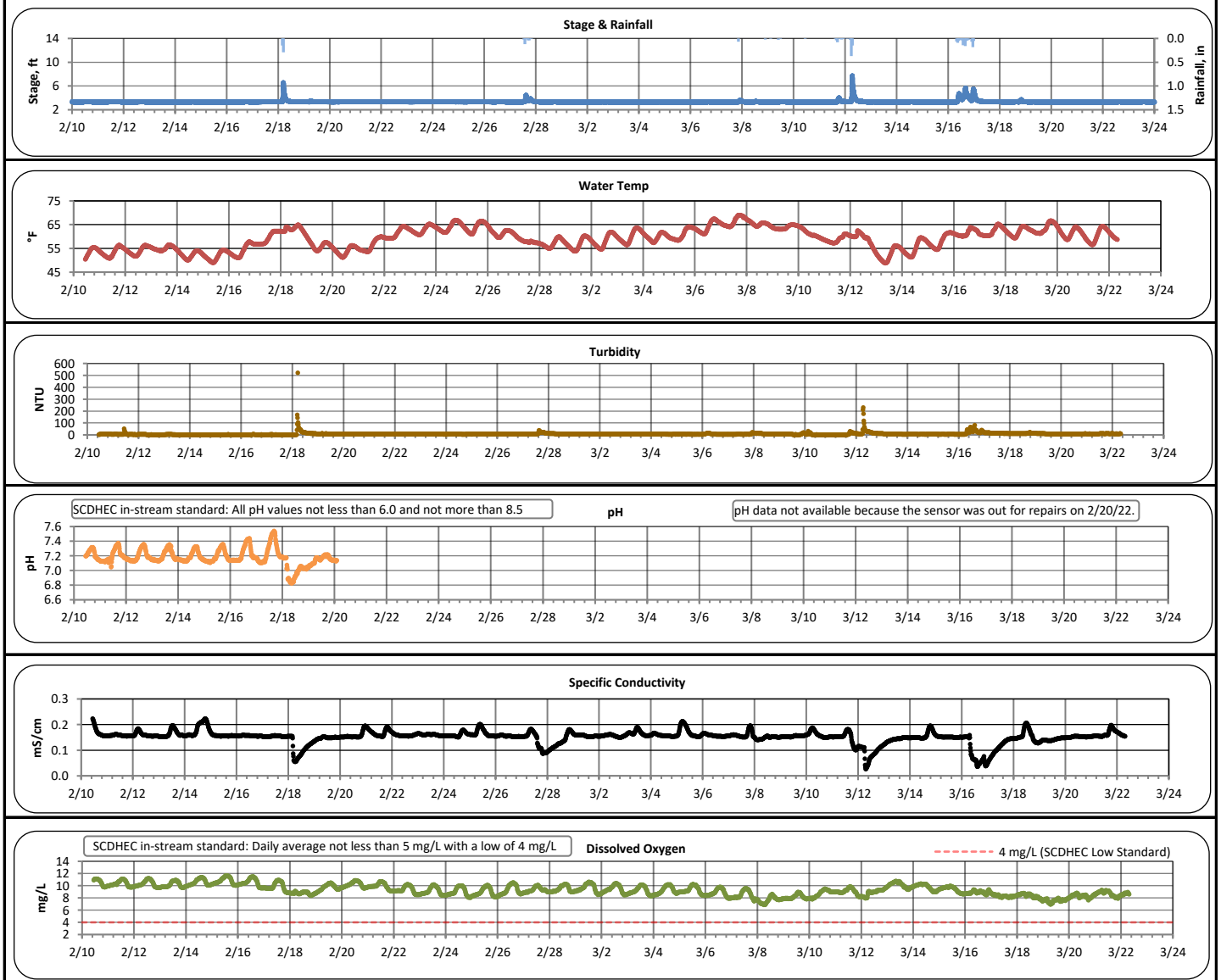
Potential Illicit Discharges and Abnormal Events:

The specific conductivity increased on March 3rd and March 5th, which may have been a result of the Maxcy Gregg pool discharge.

Continuous Water Quality Monitoring Periodic Report

Rocky Branch B (February 10, 2022 - March 23, 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	7.8	3.3	3.4	0.2
LOCATION:	Olympia Ave Crossing	TEMPERATURE (°F):	49	69	60	59	4
ADDRESS:	510 Heyward St Columbia, SC 29201	TURBIDITY (NTU):	3	523	7	9	13
COORDINATES:	33.982578, -81.035036	pH:	6.8	7.5	7.2	7.2	0.1
TMDL/IMPAIRED:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.027	0.223	0.155	0.152	0.026
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	6.9	11.7	9.2	9.3	0.9
SPATIAL LOCATION:	Most Downstream Site						
TOTAL NO. STORMS OVER 0.1 INCH:	6						
MAX. DAILY RAINFALL:	1.1 inches						
TOTAL RAINFALL (FOR PERIOD):	2.7 inches						



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 (February 10, 2022 - March 23, 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	
	2/17/2022		3/9/2022		3/14/2022		3/15/2022	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	13:56	146	12:35	322	10:40	104	9:52	220
Total Suspended Solids (mg/L)			12:35	1.80				
Total Phosphorus (mg/L)			12:35	0.11				
Total Nitrogen (mg/L)			12:35	2.11				

Analyte (units)	Sample 5		Sample 6		Sample 7		Sample 8	
	3/16/2022		3/16/2022		3/16/2022		3/16/2022	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	10:05	4374	11:40	8704	13:55	3978	15:40	3328
Total Suspended Solids (mg/L)	10:05	48.9	11:40	27.7	13:55	45.7	15:40	88.4
Total Phosphorus (mg/L)	10:05	0.21	11:40	0.20	13:55	0.15	15:40	0.22
Total Nitrogen (mg/L)	10:05	2.48	11:40	1.59	13:55	1.73	15:40	1.90

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 (February 10, 2022 - March 23, 2022)

Analyte (units)	Sample 9							
	3/17/2022							
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	9:55	746						
Total Suspended Solids (mg/L)								
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

Samples 1, 3, 4, and 9 were collected during dry weather conditions. Samples 2, 5, 6, 7, and 8 were collected during wet weather conditions.

Notes:

Data Gaps

There was no pH data collected from December 20th to the end of the monitoring period, because the sensor was removed for repairs.

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.