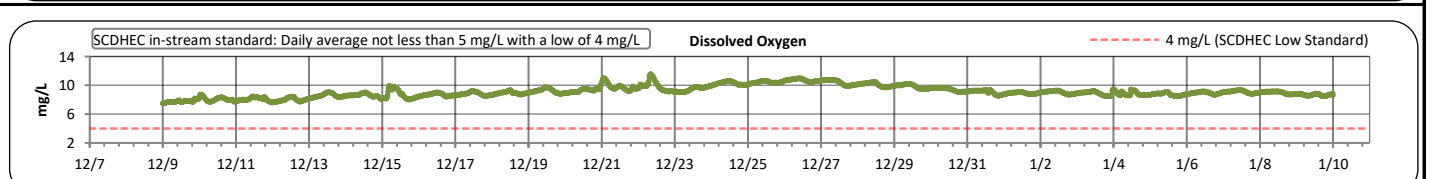
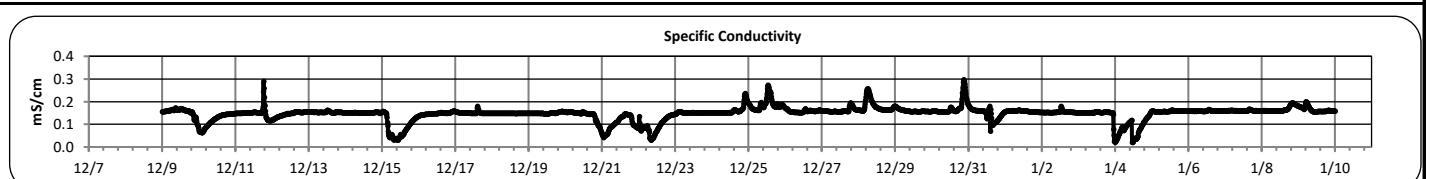
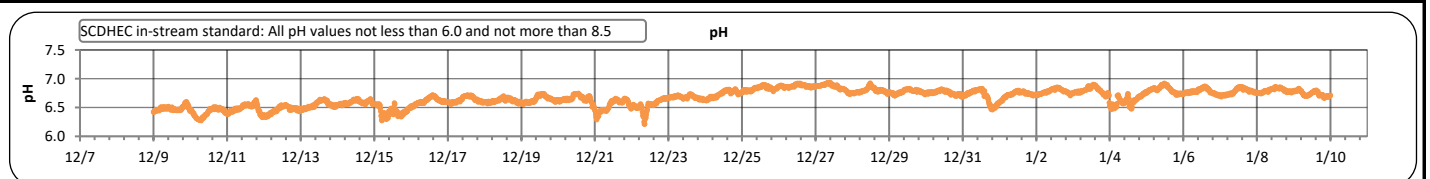
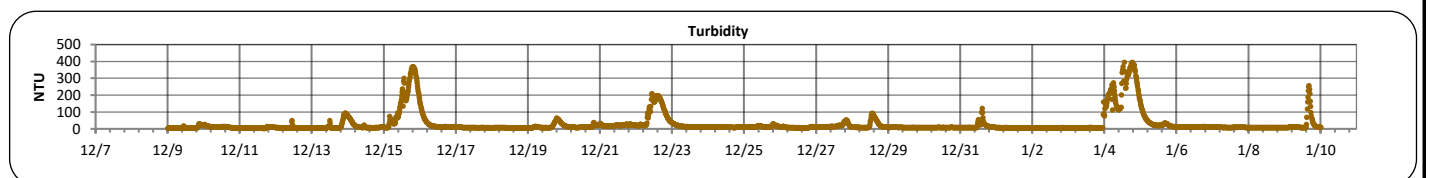
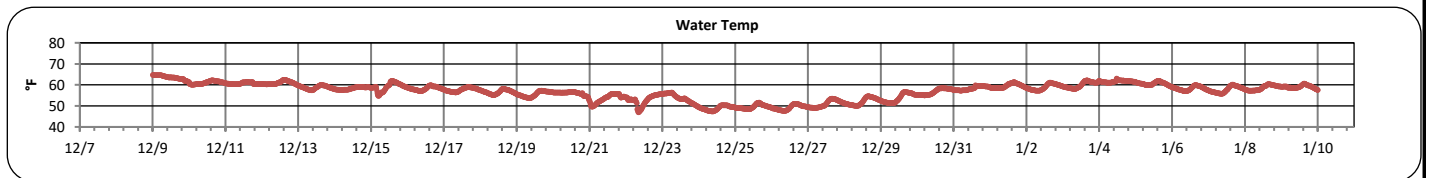
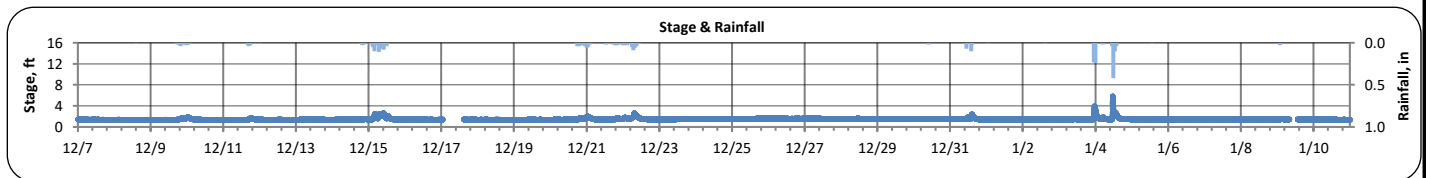


Continuous Water Quality Monitoring Periodic Report

Rocky Branch A (December 7, 2022 - January 10, 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):	1.4	5.9	1.4	1.5	0.2
LOCATION:	Maxcy Gregg Park	TEMPERATURE (°F):	47	65	58	57	4
ADDRESS:	1650 Park Circle Columbia, SC 29201	TURBIDITY (NTU):	3	395	10	29	60
COORDINATES:	33.995864, -81.021842	pH:	6.2	6.9	6.7	6.7	0.1
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.020	0.296	0.153	0.148	0.031
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	7.5	11.6	9.1	9.2	0.8
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	8						
MAX. DAILY RAINFALL:	0.6 inches						
TOTAL RAINFALL (FOR PERIOD):	3.2 inches						



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

REPORT GENERATED ON 1/31/2023

**Continuous Water Quality
Monitoring Periodic Report**

Rocky Branch A (December 7, 2022 - January 10, 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:

Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4	
	1/4/2023		1/4/2023		1/4/2023		1/4/2023	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	9:50	398	11:15	16,330	12:15	8,212	14:15	3,030
Total Suspended Solids (mg/L)	9:50	43.1	11:15	513.0	12:15	253	14:15	120
Total Phosphorus (mg/L)	9:50	0.180	11:15	0.620	12:15	0.500	14:15	0.340
Total Nitrogen (mg/L)	9:50	1.62	11:15	2.77	12:15	1.23	14:15	0.86

All samples were collected during wet weather conditions.

Notes:

Data Gaps

There were gaps in stage data on 12/17 and 1/9, which were likely due to equipment communication failure.

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.

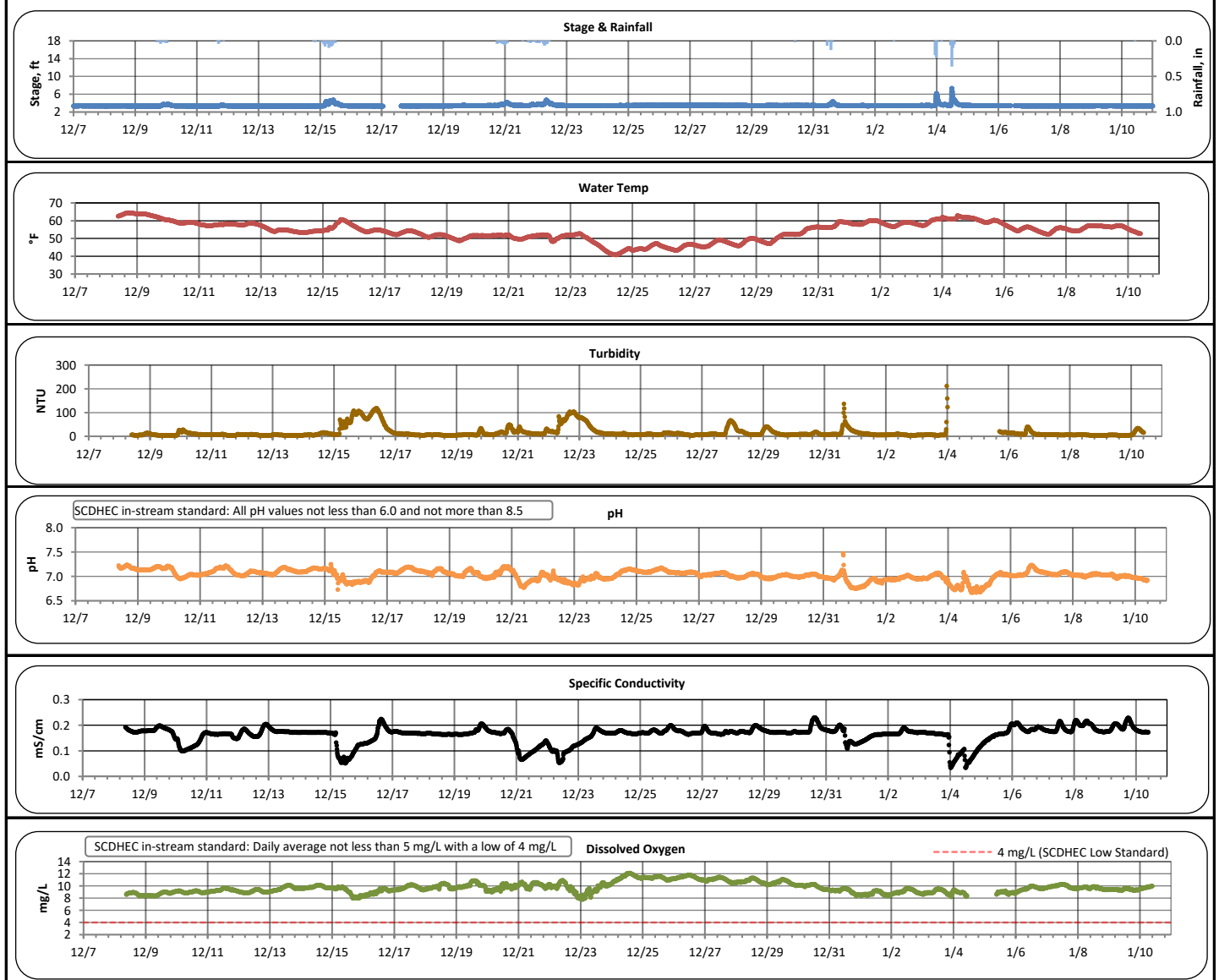
Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

REPORT GENERATED ON 1/31/2023

Continuous Water Quality Monitoring Periodic Report

Rocky Branch B (December 7, 2022 - January 10, 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):	3.3	7.4	3.4	3.5	0.2
LOCATION:	Olympia Ave Crossing	TEMPERATURE (°F):	41	65	55	54	5
ADDRESS:	510 Heyward St Columbia, SC 29201	TURBIDITY (NTU):	3	212	8	17	22
COORDINATES:	33.982578, -81.035036	pH:	6.7	7.5	7.0	7.0	0.1
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.034	0.230	0.171	0.163	0.033
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	7.8	12.2	9.6	9.8	0.9
SPATIAL LOCATION:	Most Downstream Site						
TOTAL NO. STORMS OVER 0.1 INCH:	7						
MAX. DAILY RAINFALL:	0.6 inches						
TOTAL RAINFALL (FOR PERIOD):	3.0 inches						



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

REPORT GENERATED ON 1/31/2023

**Continuous Water Quality
Monitoring Periodic Report**

Rocky Branch B (December 7, 2022 - January 10, 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:

Analyte (units)	Sample 1		Sample 2		Sample 3			
	1/4/2023		1/4/2023		1/4/2023			
	Time	Results	Time	Results	Time	Results		
<i>Escherichia coli</i> (MPN/100mL)	12:45	3,870	13:15	6,510	14:25	5,190		
Total Suspended Solids (mg/L)	12:45	139.0	13:15	203.0	14:25	118		
Total Phosphorus (mg/L)	12:45	0.43	13:15	0.51	14:25	0.43		
Total Nitrogen (mg/L)	12:45	1.52	13:15	1.68	14:25	1.32		

All samples were collected during wet weather conditions.

Notes:

Data Gaps

DO and turbidity had a data gap from 1/4 – 1/5 due to sensor fouling. There were gaps in stage data on 12/17 and 1/6, which were likely due to equipment communication failure.

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 1/31/2023