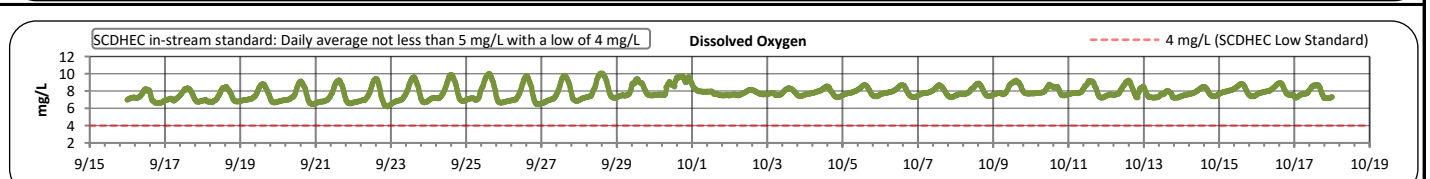
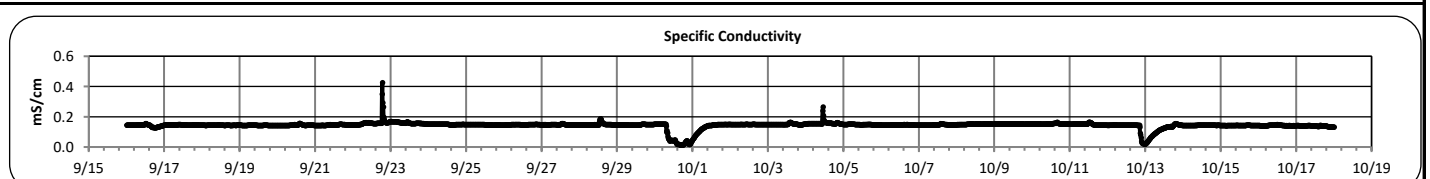
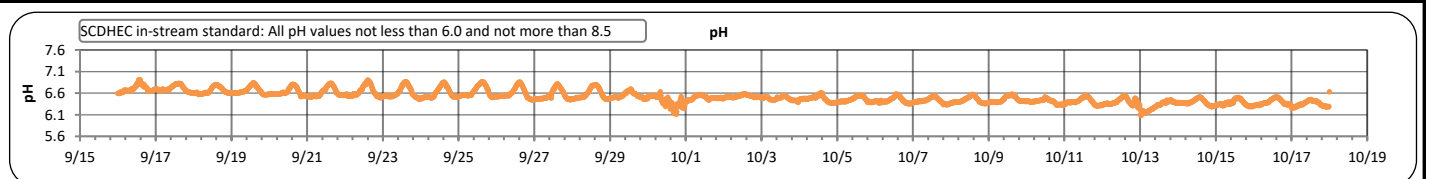
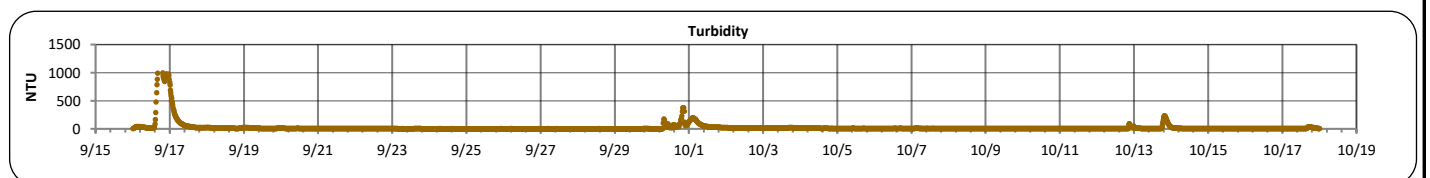
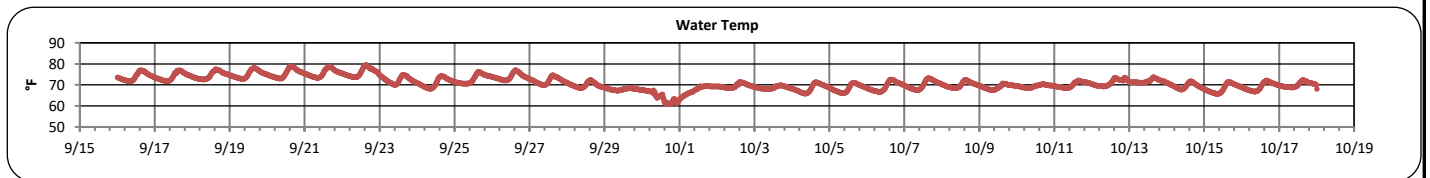
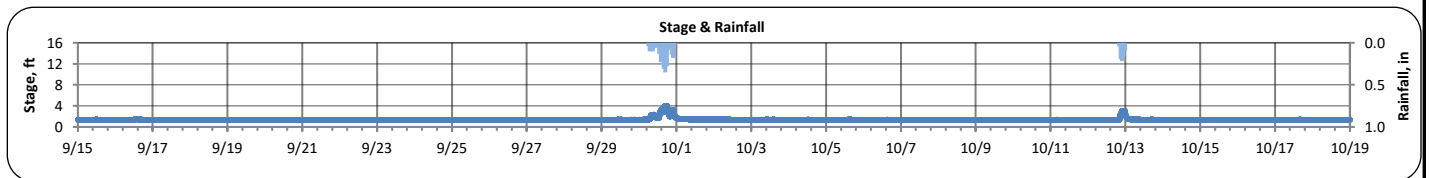


# Continuous Water Quality Monitoring Periodic Report

Rocky Branch A (September 15, 2022 - October 18, 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	4.1	1.4	1.4	0.2
LOCATION:	Maxcy Gregg Park	TEMPERATURE (°F):	61	79	71	71	3
ADDRESS:	1650 Park Circle Columbia, SC 29201	TURBIDITY (NTU):	3	1000	7	23	83
COORDINATES:	33.995864, -81.021842	pH:	6.1	6.9	6.5	6.5	0.1
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.013	0.426	0.147	0.144	0.023
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	6.2	10.1	7.7	7.8	0.8
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	2						
MAX. DAILY RAINFALL:	2.5 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 12/3/2022

**Continuous Water Quality  
Monitoring Periodic Report**

**Rocky Branch A (September 15, 2022 - October 18, 2022)**

**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:**

Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4	
	9/30/2022		9/30/2022		9/30/2022		9/30/2022	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	9:05	9,222	10:21	9,222	11:50	4,128	12:50	7,746
Total Suspended Solids (mg/L)	9:05	53.5	10:21	82.0	11:50	31.4	12:50	28.8
Total Phosphorus (mg/L)	9:05	0.380	10:21	0.360	11:50	0.260	12:50	0.270
Total Nitrogen (mg/L)	9:05	2.17	10:21	1.67	11:50	1.42	12:50	1.40

All samples were collected during wet weather conditions.

**Notes:**

Data Gaps

There were no data gaps at ROCA during this monitoring period.

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.

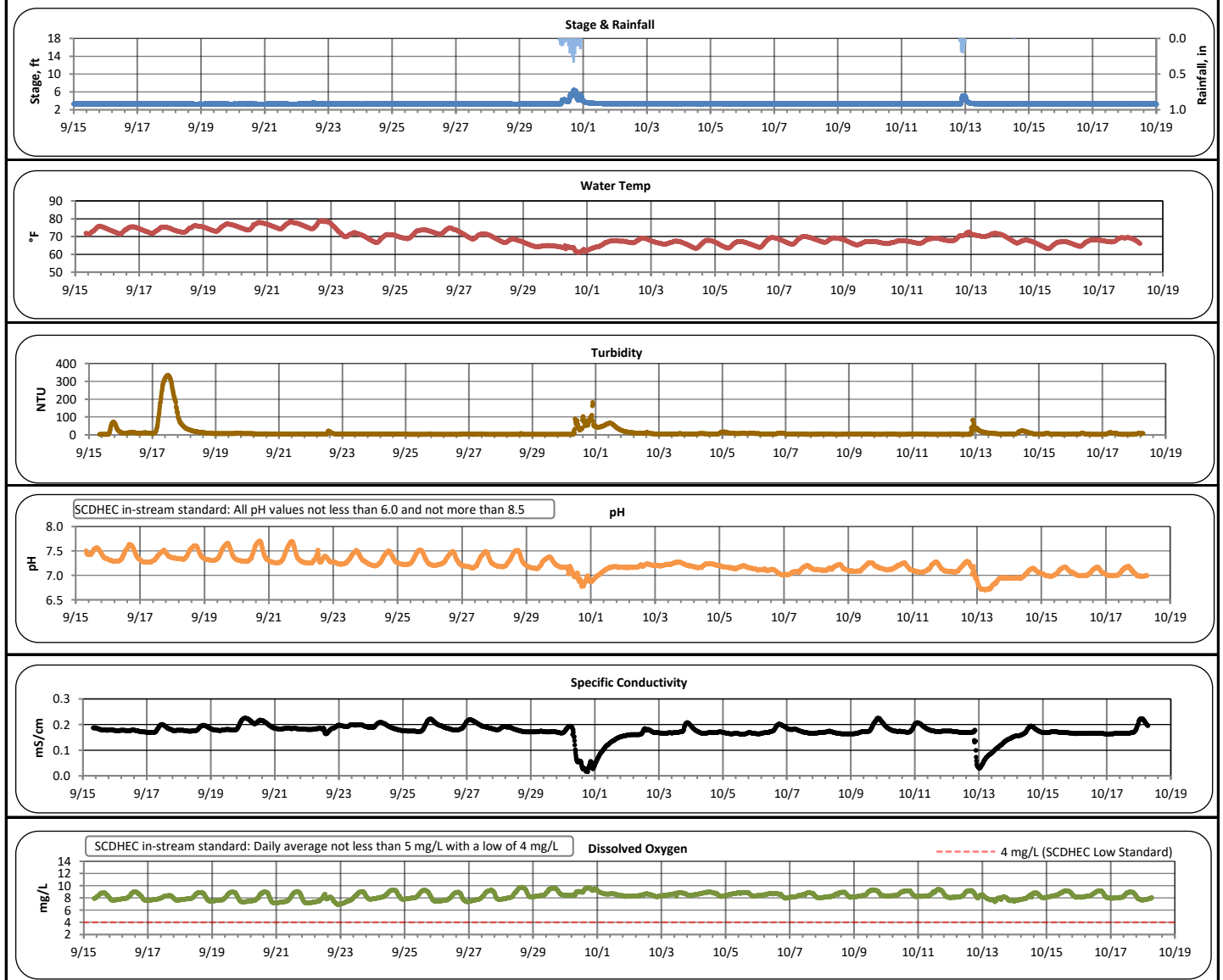
Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

REPORT GENERATED ON 12/3/2022

# Continuous Water Quality Monitoring Periodic Report

**Rocky Branch B (September 15, 2022 - October 18, 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	6.4	3.3	3.4	0.3
LOCATION:	Olympia Ave Crossing	TEMPERATURE (°F):	61	79	69	70	4
ADDRESS:	510 Heyward St Columbia, SC 29201	TURBIDITY (NTU):	3	335	5	15	37
COORDINATES:	33.982578, -81.035036	pH:	6.7	7.7	7.2	7.2	0.2
TMDL/IMPAIRED:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.017	0.225	0.175	0.173	0.031
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	6.9	9.8	8.4	8.4	0.5
SPATIAL LOCATION:	Most Downstream Site						
TOTAL NO. STORMS OVER 0.1 INCH:	2						
MAX. DAILY RAINFALL:	2.2 inches						
TOTAL RAINFALL (FOR PERIOD):	2.9 inches						



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

REPORT GENERATED ON 12/3/2022

**Continuous Water Quality  
Monitoring Periodic Report**

**Rocky Branch B (September 15, 2022 - October 18, 2022)**

**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:**

Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4	
	9/30/2022		9/30/2022		9/30/2022		9/30/2022	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	9:20	20,920	10:41	8,704	12:06	6,896	1:13	9,222
Total Suspended Solids (mg/L)	9:20	103.0	10:41	49.0	12:06	29.4	1:13	31.1
Total Phosphorus (mg/L)	9:20	0.55	10:41	0.46	12:06	0.28	1:13	0.26
Total Nitrogen (mg/L)	9:20	3.21	10:41	2.14	12:06	1.80	1:13	1.60

All samples were collected during wet weather conditions.

**Notes:**

Data Gaps

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

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.