# Continuous Water Quality Monitoring Periodic Report

## Rocky Branch A (March 29, 2023 - May 2, 2023)

		CONTINUOUS	SUMMARY STATISTICS					
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION	
STREAM NAME:	Rocky Branch	STAGE (FT):	1.4	4.6	1.4	1.5	0.2	
LOCATION:	Maxcy Gregg Park							
ADDRESS:	1650 Park Circle Columbia, SC 29201	TEMPERATURE (°F):	51	73	66	66	3	
COORDINATES:	33.995864, -81.021842	TURBIDITY (NTU):	4	750	9	21	50	
TMDL/IMPAIRMENT:	Fecal Coliform		·		Ů			
NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.4	7.6	6.7	6.7	0.1	
SPATIAL LOCATION:	Most upstream site							
TOTAL NO. STORMS OVER 0.1 INCH:	7	SPECIFIC CONDUCTIVITY (mS/cm):	0.016	1.210	0.154	0.149	0.050	
MAX. DAILY RAINFALL:	1.8 inches	DISSOLVED						
TOTAL RAINFALL (FOR PERIOD):	4.7 inches	OXYGEN (mg/L):	7.0	10.9	8.1	8.2	0.6	
	-	Stage & Rain	ıfall					
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Stage,							Rainfall, in	
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		Water Ter	np					
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40 <del>                                    </del>	4/4 4/6 4/8 4/1	.0 4/12 4/14 4/1	6 4/18 4/	/20 4/22	4/24 4/26	4/28 4/30	5/2	
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3/29 3/31 4/2	2 4/4 4/6 4/8 4	/10 4/12 4/14 4/	16 4/18 4	4/20 4/22	4/24 4/26	4/28 4/30	5/2	
	rd: All pH values not less than 6.0 and not	more than 8.5 pH						
7.5								
표 7.0 6.5			~~~		~~~~	A	_	
6.0	4/4 4/6 4/8 4/	10 4/12 4/14 4/	16 4/18 4	4/20 4/22	4/24 4/26	4/28 4/30	5/2	
		Specific Con	ductivity					
1.6		5,500	4					
E 1.2 0.8 E 0.4								
3/29 3/31 4/2	4/4 4/6 4/8 4	/10 4/12 4/14 4	/16 4/18	4/20 4/22	4/24 4/26	4/28 4/30	5/2	
14	dard: Daily average not less than 5 mg/L wi	tn a low of 4 mg/L   Dissolve	ed Oxygen			4 mg/L (SCDHEC L	ow Standard)	
7/8 10 E 6	~~~		~~~	MAN	222		~	
3/29 3/31 4/2	4/4 4/6 4/8 4	/10 4/12 4/14 4	/16 4/18	4/20 4/22	4/24 4/26	4/28 4/30	5/2	
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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 (March 29, 2023 - May 2, 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:** No samples were collected during this monitoring period.

Analyte (units)								
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)								
Total Suspended Solids (mg/L)								
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

### **Notes:**

### **Data Gaps**

There is a data gap in turbidity on 4/8 due to sensor fouling. There is a gap in stage data on 4/22 due to instrument communication malfunction.

### 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.

# Continuous Water Quality Monitoring Periodic Report

## Rocky Branch B (March 29, 2023 - May 2, 2023)

		SUMMARY STATISTICS								
PARAMETER	DESCRIPTION	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION				
STREAM NAME:	Rocky Branch	STAGE (FT):	3.4	6.2	3.4	3.5	0.3			
LOCATION:	Olympia Ave Crossing									
ADDRESS:	510 Heyward St Columbia, SC 29201	TEMPERATURE (°F):	52	74	66	66	4			
COORDINATES:	33.982578, -81.035036	TURBIDITY (NTU):	4	325	7	20	40			
TMDL/IMPAIRMENT:	Fecal Coliform									
NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.6	7.8	7.2	7.2	0.1			
SPATIAL LOCATION:	Most Downstream Site									
TOTAL NO. STORMS OVER 0.1 INCH:	6	SPECIFIC CONDUCTIVITY (mS/cm):	0.025	0.315	0.173	0.163	0.038			
MAX. DAILY RAINFALL: TOTAL RAINFALL (FOR	1.6 inches 3.9 inches	DISSOLVED OXYGEN (mg/L):	6.8	11.0	8.5	8.6	0.8			
PERIOD):						<u> </u>				
Stage & Rainfall  18 10 0.0										
# 14 eg 10							Rainfall,			
2 1							1.0			
3/29 3/31 4/2	4/4 4/6 4/8 4/1	0 4/12 4/14 4/16	4/18 4/2	20 4/22 4	4/24 4/26	4/28 4/30	5/2			
		Water Tem	p							
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8.0 SCDHEC in-stream standar	rd: All pH values not less than 6.0 and not n	nore than 8.5 pH								
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7.0					i i					
3/29 3/31 4/2	4/4 4/6 4/8 4/5	10 4/12 4/14 4/1	6 4/18 4	1/20 4/22	4/24 4/26	4/28 4/30	5/2			
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E 0.1	- W				7	VV				
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SCDHEC in-stream star	ndard: Daily average not less than 5 mg/L w	vith a low of 4 mg/L Dissolved	Oxygen			- 4 mg/l /CCDUES:	our Stands ::-1\			
14 12	, , , , , , , , , , , , , , , , , , , ,	S SISSUIVEU	78***			4 mg/L (SCDHEC L	OW Standard)			
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3/29 3/31 4/2	4/4 4/6 4/8 4	/10 4/12 4/14 4/	/16 4/18	4/20 4/22	4/24 4/26	4/28 4/30	5/2			
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