## Continuous Water Quality Monitoring Periodic Report

## Rocky Branch A (June 2, 2022 - July 6, 2022)

		CONTINUOUS	SUMMARY STATISTICS						
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION		
STREAM NAME:	Rocky Branch	STAGE (FT):	1.3	11.8	1.4	1.4	0.5		
LOCATION:	Maxcy Gregg Park								
ADDRESS:	1650 Park Circle Columbia, SC 29201	TEMPERATURE (°F):	71	85	77	77	2		
COORDINATES:	33.995864, -81.021842	TURBIDITY (NTU):	2	387	3	10	35		
TMDL/IMPAIRMENT:	Fecal Coliform	, ,							
NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.0	8.0	6.6	6.6	0.1		
SPATIAL LOCATION:	Most upstream site	eneciale.							
TOTAL NO. STORMS OVER 0.1 INCH:	10	SPECIFIC CONDUCTIVITY (mS/cm):	0.012	1.802	0.141	0.139	0.061		
MAX. DAILY RAINFALL:	4.7 inches	DISSOLVED	5.0	0.0	0.0	7.0	0.0		
TOTAL RAINFALL (FOR PERIOD):	10.7 inches	OXYGEN (mg/L):	5.6	9.6	6.9	7.2	0.9		
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12	lard: Daily average not less than 5 mg/L wi	th a low of 4 mg/L Dissolved	d Oxygen			4 mg/L (SCDHEC L	ow Standard)		
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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 (June 2, 2022 - July 6, 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)	Sam	ole 1	Sample 2		Sam	Sample 3		Sample 4	
	6/14/2022		6/29	/2022 6/29		/2022	6/29/2022		
	Time	Results	Time	Results	Time	Results	Time	Results	
Escherichia coli (MPN/100mL)	10:15	840	11:47	31,060	13:20	13,730	14:25	16,330	
Total Suspended Solids (mg/L)			11:47	112.0	13:20	24.9	14:25	16.6	
Total Phosphorus (mg/L)			11:47	0.27	13:20	0.12	14:25	0.12	
Total Nitrogen (mg/L)			11:47	2.03	13:20	1.18	14:25	1.11	

Sample 1 was collected during dry weather conditions. Samples 2-4 were collected during wet weather conditions.

#### **Notes:**

#### **Data Gaps**

Turbidity data was removed on June 17th and from July 4th until the end of the monitoring period due to fouling. DO data was removed on June 17th due to fouling.

## 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.

# Continuous Water Quality Monitoring Periodic Report

## Rocky Branch B (June 2, 2022 - July 6, 2022)

		SUMMARY STATISTICS					
PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Rocky Branch	STAGE (FT):	3.3	13.9	3.5	3.6	0.6
LOCATION:	Olympia Ave Crossing						
ADDRESS:	510 Heyward St Columbia, SC 29201	TEMPERATURE (°F):	71	84	78	78	2
COORDINATES:	33.982578, -81.035036	TURBIDITY (NTU):	2	360	4	13	32
TMDL/IMPAIRMENT:	Fecal Coliform	TORISION (ICTO).		000	'	10	02
NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.3	7.8	7.1	7.2	0.2
SPATIAL LOCATION:	Most Downstream Site						
TOTAL NO. STORMS OVER 0.1 INCH:	11	SPECIFIC CONDUCTIVITY (mS/cm):	0.020	0.345	0.167	0.160	0.036
MAX. DAILY RAINFALL:	3.3 inches	DISSOLVED OXYGEN	F.O.	9.4	7.3	7.5	0.7
TOTAL RAINFALL (FOR PERIOD):	8.2 inches	(mg/L):	5.9	9.4	7.3	7.5	0.7
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00		Water Tem	p				
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70							
60	6/8 6/10 6/12	6/14 6/16 6/18 6	6/20 6/22	6/24 6/26	6/28 6/30	7/2 7,	/4 7/6
		Turbidity					
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200 - 100 -	i	July 1					
0 <del>                                    </del>		6/14 6/16 6/18	6/20 6/22	6/24 6/26	6/28 6/30	) 7/2 7	7/4 7/6
SCDHEC in-stream standar	rd: All pH values not less than 6.0 and not	more than 8.5 pH					
7.5				<b>1</b>	\ A \ A :		
五 7.0 6.5						Al Al	Y
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ğ 0.1 0.0					_ ~		1
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SCDHEC in-stream star	ndard: Daily average not less than 5 mg/L	with a low of 4 mg/L Dissolved	Oxygen			- A mall (SCRUES)	ow Standard
12		37 - Dissolved		<b>A</b>		4 mg/L (SCDHEC L	ow Standard)
7/8 8 E 6							
6/2 6/4 6/6	6 6/8 6/10 6/12	6/14 6/16 6/18	6/20 6/22	6/24 6/26	6/28 6/3	30 7/2	7/4 7/6

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

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## **Explanation of Statistics:**

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## Sampled Data:

	Sam	ple 1	Sam	ple 2	Sample 3		Sample 4	
Analyte (units)	6/14/2022		6/22/2022		6/28/2022		6/29/2022	
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	10:24	218	8:54	538	11:40	240	12:02	39,730
Total Suspended Solids (mg/L)							12:02	74.0
Total Phosphorus (mg/L)							12:02	0.20
Total Nitrogen (mg/L)							12:02	1.74

Analyte (units)	Sam	ple 5	Sam	ple 6	Sample 7		Sample 8	
	6/29/2022		6/29/2022					
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	13:34	17,330	`14:40	10,340				
Total Suspended Solids (mg/L)	13:34	42.3	`14:40	17.8				
Total Phosphorus (mg/L)	13:34	0.16	`14:40	0.13				
Total Nitrogen (mg/L)	13:34	1.40	`14:40	1.15				

Samples 1-3 were collected during dry weather conditions. Samples 4-6 were collected during wet weather conditions.

## **Continuous Water Quality Monitoring Periodic Report**

Rocky Branch B (June 2, 2022 - July 6, 2022)

#### **Notes:**

#### **Data Gaps**

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#### Potential Illicit Discharges and Abnormal Events:

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