# Continuous Water Quality Monitoring Periodic Report

# Rocky Branch A (August 11, 2022 - September 14, 2022)

	DESCRIPTION			CONTINUOUS WATER QUALITY PARAMETERS:			SUMMARY STATISTICS					
PARAMETER							INIMUM SERVED	MAXIN OBSER	_	MEDIAN OBSERVED	MEAN OBSERVED	STANDARI DEVIATION
STREAM NAME:	Rocky Branch			STAGE (FT):			1.3	6.3	3	1.4	1.5	0.3
LOCATION:	Maxcy G	Gregg Park		TEMPERATURE (°F):			74				_	
ADDRESS:		ark Circle ı, SC 29201	TEMPI		ATURE (°F)		74	82		77	77	2
COORDINATES:	33.995864, -81.021842		TURBIDITY (NTU):			2	587	7	4	13	30	
TMDL/IMPAIRMENT:	Fecal	Coliform	4	, ,,								
NEIGHBORING LANDUSE:	Residential a	ind commercial		pH:			6.0	8.0	)	6.7	6.7	0.2
SPATIAL LOCATION:	Most ups	stream site	4	SPECIFIC								
TOTAL NO. STORMS OVER 0.1 INCH:		14		SPECIFIC CONDUCTIVITY (mS/cm):			0.016	0.71	18	0.144	0.134	0.035
MAX. DAILY RAINFALL:	1.0 i	inches		DISSOLVI	ED		5.0	0.0		0.0	0.0	0.0
TOTAL RAINFALL (FOR PERIOD):	5.1 i	inches		OXYGEN	(mg/L):		5.0	9.2		6.8	6.8	0.6
15					Stage & Rai	nfall		· · · · · · · · · · · · · · · · · · ·		<u> </u>		
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# 12 • 8 8 8		4										0.5 1.0 1.5
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					Water Te	mp						
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70								3 3 3			1000	
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o 400												
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SCDHEC in-stream standa	ard: All pH values no	t less than 6.0 and n	ot m	ore than 8.5	рН							
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五 7.2 6.5	~~	~~~	+	~~\\	~~	-	~~	~~	~		سملينه	~
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					Specific Co	nductivit	:y					
E 0.6	1											
5 0.6 0.6 0.4 0.2												
8/11 8/13 8/1	5 8/17 8	3/19 8/21	8/2	23 8/25	8/27	8/29	8/31	9/2	9/4	9/6 9/8	9/10 9/1	2 9/14
SCDHEC in-stream stan	dard: Daily average	not less than 5 mg/L	with	n a low of 4 mg/L	Dissolv	ed Oxyg	en				4 mg/L (SCDHE	C Low Standard)
10 8	MALA			~~~	~~/	LA	A = 4	Λ Λ	Λ,			
						TV		W 10		100		
4 2												

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 (August 11, 2022 - September 14, 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)								
	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)								

No samples were collected during this monitoring period.

#### 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 throughout the monitoring period, but most notably on August 17th, which may have been a result of the Maxcy Gregg pool discharge.

# Continuous Water Quality Monitoring Periodic Report

# Rocky Branch B (August 11, 2022 - September 14, 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):	3.3	7.8	3.3	3.4	0.3	
LOCATION:	Olympia Ave Crossing							
ADDRESS:	510 Heyward St Columbia, SC 29201	TEMPERATURE (°F):	74	81	78	78	2	
COORDINATES:	33.982578, -81.035036	TURBIDITY (NTU):	2	298	5	15	28	
TMDL/IMPAIRMENT:	Fecal Coliform	TORBIDITY (NTO):	2	298	5	15	28	
NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.6	8.1	7.2	7.2	0.2	
SPATIAL LOCATION:	Most Downstream Site						-	
TOTAL NO. STORMS OVER 0.1 INCH:	16	SPECIFIC CONDUCTIVITY (mS/cm):	0.027	0.231	0.168	0.150	0.040	
MAX. DAILY RAINFALL:	1.0 inches	DISSOLVED OXYGEN						
TOTAL RAINFALL (FOR PERIOD):	5.3 inches	(mg/L):	6.0	9.3	7.3	7.4	0.5	
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age 6		A					2.0	
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		Water Tem	пр					
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# 80 75	~~~	$\sim\sim\sim$	www.	~~	22	~~~		
70 +	8/17 8/19 8/21 8/2	3 8/25 8/27 8/2	9 8/31 9	/2 9/4	9/6 9/8	9/10 9/12	9/14	
		Turbidity						
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P 200 100		3.				A di		
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	rd: All pH values not less than 6.0 and not n	nore than 8.5 pH						
8.5		•						
T. 7.5 7.0 6.5	The same of the sa					1- July -		
8/11 8/13 8/15	8/17 8/19 8/21 8/2	23 8/25 8/27 8/2	29 8/31	9/2 9/4	9/6 9/8	9/10 9/12	9/14	
0.4		Specific Cond	ductivity					
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·   <b>47</b>		W						
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SCDHEC in-stream sta	ndard: Daily average not less than 5 mg/L w	rith a low of 4 mg/L Dissolved	Ovygen			A // /CODUST:	Chand "	
12	The state of the s	Dissolved	Слубен			4 mg/L (SCDHEC L	ow Standard)	
7/8m 6			~~			- No.		
8/11 8/13 8/1	5 8/17 8/19 8/21 8,	/23 8/25 8/27 8/	/29 8/31	9/2 9/4	9/6 9/8	9/10 9/12	9/14	
0/11 8/13 8/1	8 8/11 و11/0 در	123 8/27 8/21 8/	127 6/31	5/4	3/6 9/8	9/10 9/12	9/14	

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

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STANDARD DEVIATION	The standard deviation of all the values recorded by the datasonde in 15 minute intervals.

## Sampled Data:

Analyte (units)	Sample 1							
	9/7/2022							
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	9:31	798						
Total Suspended Solids (mg/L)								
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

Sample 1 was collected during dry weather conditions.

### **Notes:**

#### **Data Gaps**

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

## 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.