Continuous Water Quality Monitoring Periodic Report

Rocky Branch A (October 20, 2021 - November 30, 2021)

		CONTINUOUS	SUMMARY STATISTICS						
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION		
STREAM NAME:	Rocky Branch	STAGE (FT):	1.5	2.9	1.5	1.6	0.1		
LOCATION:	Maxcy Gregg Park								
ADDRESS:	1650 Park Circle Columbia, SC 29201	TEMPERATURE (°F):	55	73	63	63	4		
COORDINATES:	33.995864, -81.021842	TURBIDITY (NTU):	-			-	_		
TMDL/IMPAIRMENT:	Fecal Coliform	, ,							
NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.2	6.7	6.5	6.4	0.1		
SPATIAL LOCATION:	Most upstream site								
TOTAL NO. STORMS OVER 0.1 INCH:	3	SPECIFIC CONDUCTIVITY (mS/cm):	0.050	0.327	0.132	0.131	0.012		
MAX. DAILY RAINFALL:	0.5 inches	DISSOLVED							
TOTAL RAINFALL (FOR PERIOD):	1.0 inches	OXYGEN (mg/L):	5.1	9.3	7.7	7.7	0.7		
		Stage & Rain	fall						
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99 2							0.5 Co. 0.6 Sainfall, in		
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100	able because the sensor was out for repai	rs. Turbidit	<i>y</i>				<u> </u>		
75 50									
25									
10/20 10/22 10/24	10/26 10/28 10/30 11/1 11	/3 11/5 11/7 11/9 1	1/11 11/13 11/	15 11/17 11/19	11/21 11/23	11/25 11/27 1	1/29 12/1		
	rd: All pH values not less than 6.0 and not	more than 8.5 pH							
6.8	rd: All pH values not less than 6.0 and not	more than 8.5 pH		1000					
6.8 6.6 E 6.4 6.2	rd: All pH values not less than 6.0 and not	more than 8.5 pH	h	,,,,,,	~~\				
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6.8 6.6 6.6 6.2 6.2 6.0 10/20 10/22 10/24	mhma			15 11/17 11/19) 11/21 11/23	11/25 11/27	11/29 12/1		
6.8 6.6 6.6 6.2 6.2 6.0 10/20 10/22 10/24	mhma	3 11/5 11/7 11/9 1		15 11/17 11/19	0 11/21 11/23	11/25 11/27	11/29 12/1		
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6.8 6.6 6.6 6.2 6.0 10/20 10/22 10/24 8 0.3 0.0 10/20 10/22 10/24	10/26 10/28 10/30 11/1 11/	3 11/5 11/7 11/9 1 Specific Con	ductivity		9 11/21 11/23		11/29 12/1		
6.8 6.6 6.6 6.2 6.0 10/20 10/22 10/24 8 0.3 0.2 0.1 0.0 10/20 10/22 10/24	10/26 10/28 10/30 11/1 11/ 10/26 10/28 10/30 11/1 11	3 11/5 11/7 11/9 1 Specific Con	ductivity 11/11 11/13 11		9 11/21 11/23	11/25 11/27	11/29 12/1		
6.8 6.6 6.6 6.2 6.0 10/20 10/22 10/24 E 0.3 0.2 E 0.1 0.0 10/20 10/22 10/24	10/26 10/28 10/30 11/1 11/ 10/26 10/28 10/30 11/1 11	3 11/5 11/7 11/9 1 Specific Con	ductivity 11/11 11/13 11		9 11/21 11/23	11/25 11/27	11/29 12/1		

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

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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 grab samples were collected during this monitoring period.

	Sample 1		Sam	ple 2	Sam	ple 3	Sample 4		
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

Turbidity data was not collected during this monitoring period because the sensor was broken. There were no other data gaps at the ROCA station.

Potential Illicit Discharges and Abnormal Events:

The specific conductivity increased on November 5th and November 10th, which may have been a result of the Maxcy Gregg pool discharge.

Continuous Water Quality Monitoring Periodic Report

Rocky Branch B (October 20, 2021 - November 30, 2021)

	CONTINUOUS				SUMMARY STATISTICS										
PARAMETER	DESCRIPTION		WATER			MINIMUM OBSERVED		MAXIMUM OBSERVED		MEDIAN OBSERVED		MEAN OBSERVED		STANDARD DEVIATION	
STREAM NAME:	Rocky Branch		STAGE	(FT):			0.6		.6	0	.7	0.7		0.1	
LOCATION:	Olympia Ave Crossing	1			- (0=)				70					_	
ADDRESS:	510 Heyward St Columbia, SC 29201		TEMPE	RATUR	E (°F):		49		70	58		59		5	
COORDINATES:	33.982578, -81.035036		TURBIDITY (NTU):			1	64		3		4		4		
TMDL/IMPAIRMENT:	Fecal Coliform	┇													
NEIGHBORING LANDUSE:	Residential and commercial	Ш	рН:				6.7 7.3		7.3	7	.0	7.0		0.1	
SPATIAL LOCATION:	Most Downstream Site	Į Į	SPECII	=10											
TOTAL NO. STORMS OVER 0.1 INCH:	3			JCTIVIT	Υ	().069	0.221		0.1	59	0.160		0.016	
MAX. DAILY RAINFALL: TOTAL RAINFALL (FOR	0.5 inches	1	DISSO (mg/L):		XYGEN		6.3	1	0.9	9	.2	9.1		0.9	
PERIOD):					0 D-1-1					<u> </u>		<u> </u>			
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55 45				-~								~~~	~		
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					Turbidity										
100 75	1														
50 25 25															
10/20 10/22 10/24	10/26 10/28 10/30 11/1	11/3	11/5	11/7	11/9 1	1/11	11/13 11,	/15 11/	17 11/1	9 11/21	11/23	11/25 11/27	11/29	12/1	
SCDHEC in-stream standar	d: All pH values not less than 6.0 and no	ot mo	re than 8.5		рН										
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T 7.1 6.9 6.7 6.5	10/26 10/28 10/30 11/1 1:	1/3	11/5	11/7	11/9 11	1/11	11/13 11/	/15 11/	17 11/19	9 11/21	11/23	11/25 11/27	11/29	12/1	
T. 7.1 6.9 6.7 6.5	10/26 10/28 10/30 11/1 1:	1/3	11/5					/15 11/	17 11/1!	9 11/21	11/23	11/25 11/27	11/29	12/1	
7.1 6.9 6.5 10/20 10/22 10/24 1	10/26 10/28 10/30 11/1 1:	1/3	11/5		11/9 11	luctivity		/15 11/	17 11/1!	9 11/21	11/23	11/25 11/27	11/29	12/1	
7.1 6.7 6.5 10/20 10/22 10/24 1	10/26 10/28 10/30 11/1 1:	1/3	11/5					/15 11/	17 11/1	9 11/21	11/23	11/25 11/27	11/29	12/1	
7.1 6.7 6.5 10/20 10/22 10/24 1		11/3	11/5	Spo	ecific Cond	luctivity						11/25 11/27		12/1	
7.1 6.7 6.5 10/20 10/22 10/24 1		11/3	11/5	Sp. 11/7	ecific Cond	luctivity	11/13 11,				11/23	11/25 11/27	7 11/29	12/1	
7.1 6.7 6.7 6.5 10/20 10/22 10/24 1 0.25 0.20 0.15 0.00 10/20 10/22 10/24	10/26 10/28 10/30 11/1 1	11/3	11/5	Sp. 11/7	ecific Cond	luctivity	11/13 11,				11/23		7 11/29	12/1	
7.1 6.9 6.7 6.5 10/20 10/22 10/24 1	10/26 10/28 10/30 11/1 1	11/3	11/5	Sp. 11/7	ecific Cond	luctivity	11/13 11,				11/23	11/25 11/27	7 11/29	12/1	

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

Potential Illicit Discharges and Abnormal Events:

The specific conductivity increased several times throughout the monitoring period, which may have been a result of the Maxcy Gregg pool discharge.