



Rocky Branch A (June 3, 2021 - July 6, 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):	1.3	5.7	1.3	1.4	0.3	
LOCATION:	Maxcy Gregg Park							
ADDRESS:	1650 Park Circle Columbia, SC 29201	TEMPERATURE (°F):	70	84	75	76	2	
COORDINATES:	33.995864, -81.021842	TURBIDITY (NTU):	1	203	3	7	13	
TMDL/IMPAIRMENT:	Fecal Coliform	, ,						
NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.2	7.1	6.6	6.6	0.1	
SPATIAL LOCATION:	Most upstream site							
TOTAL NO. STORMS OVER 0.1 INCH:	14	SPECIFIC CONDUCTIVITY (mS/cm):	0.021	0.230	0.130	0.124	0.029	
MAX. DAILY RAINFALL:	1.3 inches	DISSOLVED						
TOTAL RAINFALL (FOR PERIOD):	6.2 inches	OXYGEN (mg/L):	5.5	9.5	7.1	7.3	0.7	
		Stage & Rain	fall					
25		71	7				0.0 Landall in 0.0	
6/3 6/5 6/7	6/9 6/11 6/13	6/15 6/17 6/19 6	/21 6/23	6/25 6/27	6/29 7/1	7/3 7/5	1.5	
85 80 75 76 65 6/3 6/5 6/7	6/9 6/11 6/13	6/15 6/17 6/19 6	6/21 6/23	6/25 6/27	6/29 7/1	7/3 7/5	5 7/7	
250		Turbidity	1					
250 200 200 250								
P 150 100 50		4 1				•		
0						Las		
6/3 6/5 6/	7 6/9 6/11 6/13	6/15 6/17 6/19	6/21 6/23	6/25 6/27	6/29 7/1	7/3 7/	5 7/7	
	7 6/9 6/11 6/13	6/15 6/17 6/19 pH	6/21 6/23	6/25 6/27	6/29 7/1	7/3 7/	5 7/7	
	7 6/9 6/11 6/13		6/21 6/23	6/25 6/27	6/29 7/1	7/3 7/	5 7/7	
7.2 7.0 E 6.8 6.4 6.4			6/21 6/23	6/25 6/27	6/29 7/1	7/3 7/	5 7/7	
7.2		pH	6/21 6/23	6/25 6/27	6/29 7/1		5 7/7	
7.2 7.0 6.8 6.4 6.4 6.2 6.0		pH	6/21 6/23	~~~				
7.2 7.0 7.0 6.8 6.8 6.4 6.4 6.2 6.4 6.2 6.4 6.2 6.4 6.4 6.5 6.5 6.4 6.5 6.7		6/15 6/17 6/19	6/21 6/23	~~~				
7.2 7.0 H 6.8 6.6 6.4 6.4 6.2 6.0 6/3 6/5 6/7		6/15 6/17 6/19	6/21 6/23	~~~				
7.2 7.0 6.8 6.8 6.4 6.4 6.2 6.0 6/3 6/5 6/7	6/9 6/11 6/13	6/15 6/17 6/19	6/21 6/23	~~~		7/3 7		
7.2 7.0 8.8 6.6 6.4 6.2 6.0 6.4 6.2 6.0 6.4 6.2 6.0 6.3 6.5 6.5 6.7 0.25 0.00 0.05 0.00 0.05 0.00 0.05 0.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6/9 6/11 6/13	6/15 6/17 6/19 Specific Con 6/15 6/17 6/19	6/21 6/23 ductivity	6/25 6/27	6/29 7/1	7/3 7	7/5 7/7	
7.2 7.0 8.8 6.8 6.6 6.2 6.2 6.2 6.0 6.3 6.4 6.2 6.2 6.0 6.3 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5	7 6/9 6/11 6/13	6/15 6/17 6/19 Specific Con 6/15 6/17 6/19 With a low of 4 mg/L Dissolve	6/21 6/23 ductivity 6/21 6/23 d Oxygen	6/25 6/27	6/29 7/1	7/3 7	7/5 7/7	
7.2 6.8 6.6 6.4 6.2 6.0 6/3 6/5 6/7 SCDHEC in-stream stand	7 6/9 6/11 6/13	6/15 6/17 6/19 Specific Con 6/15 6/17 6/19 With a low of 4 mg/L Dissolve	6/21 6/23 ductivity	6/25 6/27	6/29 7/1	7/3 7	7/5 7/7	

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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 samples were collected during this monitoring period.

Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4	
	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

A brief period of specific conductivity data was removed on June 22nd because of fouling after the event.

Potential Illicit Discharges and Abnormal Events:

The specific conductivity increased on June 4th, June 14th, and June 30th, which may have been a result of the Maxcy Gregg pool discharge.





Rocky Branch B (June 3, 2021 - July 6, 2021)

		SUMMARY STATISTICS					
PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Rocky Branch	STAGE (FT):	3.5	7.6	3.5	3.6	0.4
LOCATION:	Olympia Ave Crossing						
ADDRESS:	510 Heyward St Columbia, SC 29201	TEMPERATURE (°F):	70	83	76	76	2
COORDINATES:	33.982578, -81.035036	TUDDIDITY (AITU).	1	300	_	10	16
TMDL/IMPAIRMENT:	Fecal Coliform	TURBIDITY (NTU):	'	300	5	10	10
NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.6	7.5	7.0	7.0	0.1
SPATIAL LOCATION:	Most Downstream Site					-	-
TOTAL NO. STORMS OVER 0.1 INCH:	15	SPECIFIC CONDUCTIVITY (mS/cm):	0.023	0.226	0.155	0.140	0.038
MAX. DAILY RAINFALL:	1.2 inches	DISSOLVED OXYGEN					
TOTAL RAINFALL (FOR PERIOD):	6.1 inches	(mg/L):	5.1	9.5	7.1	7.2	0.8
		Stage & Rainfa	all	•	•	•	
12 # 9		21050 0 101110				rr	0.0
Stage, fl							Rain 0.0
6/3 6/5 6/7	6/9 6/11 6/13	6/15 6/17 6/19 6/	/21 6/23	6/25 6/27	6/29 7/1	7/3 7/5	1.5
		Water Tem	p				
85 80 75 70 65 6/3 6/5 6/7	6/9 6/11 6/13	6/15 6/17 6/19 6	/21 6/23	6/25 6/27	6/29 7/1	7/3 7/	5 7/7
400		Turbidity					
E 200							
6/3 6/5 6/	7 6/9 6/11 6/13		6/21 6/23	6/25 6/27	6/29 7/1	7/3 7	/5 7/7
		рН					
7.5 7.3 7.1 6.9 6.7 6.5 6/3 6/5 6/7	6/9 6/11 6/13	6/15 6/17 6/19	6/21 6/23	6/25 6/27	6/29 7/1	1	7/7
6/3 6/5 6/7	0/9 0/11 0/13	0/13 0/17 0/19	0/21 0/23	0/23 0/27	6/29 7/1	. 7/3 7	/5 7/7
0.25		Specific Cond	luctivity				
§ 0.20 0.15	ر بسرالربر م					-1 /-	
0.00	711 W					77	
6/3 6/5 6/7	6/9 6/11 6/13	6/15 6/17 6/19	6/21 6/23	6/25 6/27	6/29 7/2	1 7/3 7	7/5 7/7
SCDHEC in-stream star	ndard: Daily average not less than 5 mg/	L with a low of 4 mg/L Dissolved	Oxygen			4 mg/L (SCDHEC Lo	ow Standard)
1/88 6 4	minny	~~^^		~~~	$\sqrt{\Lambda}$	Swy	V
6/3 6/5 6/5	7 6/9 6/11 6/13	6/15 6/17 6/19	6/21 6/23	6/25 6/27	6/29 7/	1 7/3	7/5 7/7

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

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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 during this monitoring period, which may have been a result of the Maxcy Gregg pool discharge. Such instances occurred on June 10th, June 15th, June 16th, June 25th, June 26th, June 29th, and July 3rd.