



Rocky Branch A (April 28, 2021 - June 2, 2021)

		CONTINUOUS	SUMMARY STATISTICS					
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARI DEVIATION	
STREAM NAME:	Rocky Branch	STAGE (FT):	1.3	5.1	1.4	1.4	0.2	
LOCATION:	Maxcy Gregg Park							
ADDRESS:	1650 Park Circle Columbia, SC 29201	TEMPERATURE (°F):	62	79	70	70	3	
COORDINATES:	33.995864, -81.021842	TURBIDITY (NTU):	5	9	6	6	1	
TMDL/IMPAIRMENT:	Fecal Coliform		-		-	-		
NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.2	6.9	6.5	6.5	0.1	
SPATIAL LOCATION:	Most upstream site	·						
TOTAL NO. STORMS OVER 0.1 INCH:	6	SPECIFIC CONDUCTIVITY (mS/cm):	0.019	0.515	0.140	0.136	0.024	
MAX. DAILY RAINFALL:	1.6 inches	DISSOLVED						
TOTAL RAINFALL FOR PERIOD):	3.2 inches	OXYGEN (mg/L):	3.7	9.3	7.4	7.4	0.8	
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SCDHEC in-stream stand	dard: Daily average not less than 5 mg/L	with a low of 4 mg/L Dissolved	d Oxygen			- 4 mg/L (SCDHEC Lo	ow Standard)	
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Rocky Branch A (April 28, 2021 - June 2, 2021)

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)	Sample 1		Sample 2		Sample 3		Sample 4	
	5/12/2021		5/12/2021		5/12/2021			
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	11:22	4,564	13:04	4,564	14:26	6,510		
Total Suspended Solids (mg/L)	11:22	14.4	13:04	16.2	14:26	8.1		
Total Phosphorus (mg/L)	11:22	0.1	13:04	0.12	14:26	0.095		
Total Nitrogen (mg/L)	11:22	1.23	13:04	0.84	14:26	0.92		

All samples were collected during wet weather conditions.

Notes:

Data Gaps

Turbidity data was removed from May 2nd until the end of the monitoring period because the sensor was damaged and recorded erroneous data.

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.





Rocky Branch B (April 28, 2021 - June 2, 2021)

	CONTINUOUS		SUMMARY STATISTICS				
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARI DEVIATION
STREAM NAME:	Rocky Branch	STAGE (FT):	3.5	7.5	3.5	3.6	0.2
LOCATION:	Olympia Ave Crossing						
ADDRESS:	510 Heyward St Columbia, SC 29201	TEMPERATURE (°F):	59	78	69	69	4
COORDINATES:	33.982578, -81.035036	TURBIDITY (NTU):	2	169	8	10	11
TMDL/IMPAIRMENT:	Fecal Coliform				_		
NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.7	7.4	7.1	7.1	0.1
SPATIAL LOCATION:	Most Downstream Site	ODEOUEIO.					
TOTAL NO. STORMS OVER 0.1 INCH:	5	SPECIFIC CONDUCTIVITY (mS/cm):	0.025	0.249	0.157	0.153	0.028
MAX. DAILY RAINFALL:	1.4 inches	DISSOLVED OXYGEN	5.0	10.2	8.3	8.3	0.8
TOTAL RAINFALL (FOR PERIOD):	2.9 inches	(mg/L):	3.0	10.2	0.5	0.3	0.8
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	andard: Daily average not less than 5 mg/L	with a low of 4 mg/L Dissolved	Oxygen			4 mg/L (SCDHFC)	ow Standard)
12	indard: Daily average not less than 5 mg/L	with a low of 4 mg/L Dissolved	Oxygen	^ ^ ^ ^		4 mg/L (SCDHEC L	ow Standard)
12 10 8 8 6	indard: Daily average not less than 5 mg/L	with a low of 4 mg/L Dissolved	Oxygen	W	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	4 mg/L (SCDHEC L	ow Standard)
12	andard: Daily average not less than 5 mg/L	10 5/12 5/14 5/16	~ ~~		^	4 mg/L (SCDHEC L	ow Standard)

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Sampled Data:

	Sample 1		Sample 2		Sample 3		Sample 4	
Analyte (units)	5/12/2021		5/12/2021		5/12/2021			
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	11:44	6,510	13:18	2,708	14:40	3,564		
Total Suspended Solids (mg/L)	11:44	27	13:18	18	14:40	11.1		
Total Phosphorus (mg/L)	11:44	0.12	13:18	0.11	14:40	0.091		
Total Nitrogen (mg/L)	11:44	1.0	13:18	0.97	14:40	0.98		

All samples were collected during wet weather conditions.

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.