Rocky Branch A (November 8, 2023 - December 18, 2023)

		CONTINUOUS		SUN	MMARY STATIS	TICS	
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Rocky Branch	STAGE (FT):	1.4	5.7	1.4	1.5	0.2
LOCATION:	Maxcy Gregg Park						
ADDRESS:	1650 Park Circle Columbia, SC 29201	TEMPERATURE (°F):	52	69	61	61	3
COORDINATES:	33.995864, -81.021842	TURBIDITY (NTU):	3	754	10	19	31
TMDL/IMPAIRMENT:	Fecal Coliform	TONDIDITY (IVIO).	0	704	10	13	01
NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.4	8.5	6.8	6.7	0.1
SPATIAL LOCATION:	Most upstream site	00501510					
TOTAL NO. STORMS OVER 0.1 INCH:	8	SPECIFIC CONDUCTIVITY (mS/cm):	0.006	0.602	0.162	0.157	0.037
MAX. DAILY RAINFALL:	2.3 inches	DISSOLVED	_,				
TOTAL RAINFALL (FOR PERIOD):	6.9 inches	OXYGEN (mg/L):	7.4	10.7	8.6	8.6	0.5
		Stage & Rain	all	•	•	•	
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9 4 BB 2							0.5 1.0 1.5
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		Water Ten	р				
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600 400		•					
200							
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	rd: All pH values not less than 6.0 and not i	more than 8.5 pH					
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8 0.6 0.4 0.2							
E 0.2				+	w		
	11/14 11/16 11/18 11/20 11	/22 11/24 11/26 11/28	11/30 12/2	12/4 12/6	12/8 12/10 12	/12 12/14 12/	16 12/18
SCDHEC in-stream stand	dard: Daily average not less than 5 mg/L wi	th a low of 4 mg/L Dissolver	d Oxygen			- 4 mg/L (SCDHEC L	ow Standard)
₫ ¹⁰						T - T - 1	
1 10 E 6							

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

Rocky Branch A (November 8, 2023 - December 18, 2023)

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	
	11/16/2023		11/21/2023		11/21/2023		11/21/2023	
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	12:20	82	11:30	4,200	12:55	3,350	14:16	1,920
Total Suspended Solids (mg/L)								
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

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

Notes:

Data Gaps

There was a gap in stage data on 12/5 to 12/6 due to an instrument communication malfunction.

Potential Illicit Discharges and Abnormal Events:

Specific conductivity increased several times during the monitoring period, which may have been a result of fountain backwash or potential illicit discharges.

Rocky Branch B (November 8, 2023 - December 18, 2023)

		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	7.8	3.4	3.5	0.3		
LOCATION:	Olympia Ave Crossing								
ADDRESS:	510 Heyward St Columbia, SC 29201	TEMPERATURE (°F):	50	66	58	58	4		
COORDINATES:	33.982578, -81.035036	TURBIDITY (NTU):	3.35	626	6	16	34		
TMDL/IMPAIRMENT:	Fecal Coliform	TORBIDITY (NTO):	3.35	626	0	16	34		
NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.6	7.2	7.0	7.0	0.1		
SPATIAL LOCATION:	Most Downstream Site								
TOTAL NO. STORMS OVER 0.1 INCH:	8	SPECIFIC CONDUCTIVITY (mS/cm):	0.021	0.378	0.193	0.193	0.048		
MAX. DAILY RAINFALL: TOTAL RAINFALL (FOR PERIOD):	2.4 inches 6.6 inches	DISSOLVED OXYGEN (mg/L):	3.8	10.9	9.3	9.1	1.2		
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		Turbidity							
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50 25		سامعنز				***			
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	rd: All pH values not less than 6.0 and not	more than 8.5 pH							
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0.4		Specific Conc	ductivity						
₩ 0.3 % 0.2 % 0.1	many.	,					^ ^		
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11/8 11/10 11/12	11/14 11/16 11/18 11/20 1:	1/22 11/24 11/26 11/28	11/30 12/2	12/4 12/6 1	2/8 12/10 12/	12 12/14 12/1	6 12/18		
SCDHEC in-stream sta	ndard: Daily average not less than 5 mg/L	with a low of 4 mg/L Dissolved	Oxygen			- 4 mg/L (SCDHEC L	ow Standard)		
10	2000						~ ↓		
E 6 2		+							
11/8 11/10 11/12	11/14 11/16 11/18 11/20 1	1/22 11/24 11/26 11/28	11/30 12/2	12/4 12/6	12/8 12/10 12	/12 12/14 12/	16 12/18		

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

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Sampled Data:

Analyte (units)	Sample 1		Sample 2		Sampel 3		Sample 4	
	11/16/2023		11/21/2023		11/21/2023		11/21/2023	
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	11:30	104	11:20	6,150	12:40	5,510	14:24	2,970
Total Suspended Solids (mg/L)								
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

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

Notes:

Data Gaps

There was a gap in data on 11/9 for all water quality parameters during a sensor reinstall. There was a gap in DO data from 11/16 - 11/19. DO, specific conductivity, and turbidity had a data gap from 11/20 - 11/25 due to fouling. DO, pH, and turbidity had a data gap from 12/10 - 12/12 due to fouling.

Potential Illicit Discharges and Abnormal Events:

Specific conductivity increased several times during the monitoring period, which may have been a result of potential illicit discharges or broken waterline(s).