Smith Branch A (April 28, 2022 - June 1, 2022)

		CONTINUOUS		3	SUMMARY STATISTICS									
PARAMETER	DESCRIPTION		WATER QUALITY PARAMETERS:		-			MAXIMUM MEDIAN OBSERVED OBSERVED		MEAN OBSERVED		ANDARD VIATION		
STREAM NAME:	Smith Branch		STAGE (FT):		0.4	1	1.0)	0.5	5	0.5		0.1	
LOCATION:	Earlewood Park													
ADDRESS:	1111 Parkside Dr Columbia, SC 29201		TEMPERATURE (°F):		61		81		71		70		4	
COORDINATES:	34.027289,-81.04265		TURBIDITY (NTU):		2		470	6	5		15		35	
TMDL/IMPAIRMENT:	Fecal Coliform		,											
NEIGHBORING LANDUSE:	Residential and commercial	1	pH:			6.3	3	7.1		6.8	3	6.8		0.1
SPATIAL LOCATION:	Most upstream site		•					7.1						
TOTAL NO. STORMS OVER 0.1 INCH:	6		SPECIFIC CONDUCTIVITY (mS/cm):		гү	0.03	34	0.182		0.14	18	0.141	(0.027
MAX. DAILY RAINFALL:	1.7 inches		DISSOLVED											
TOTAL RAINFALL (FOR PERIOD):	3.7 inches			GEN (mg	/L):	5.4	ŀ	8.6		7.2		7.2		0.5
				Sta	ge & Rainf	all								
# 4				l.						1				0.0
Stage, 2														0.3
4/28 4/30 5/2	5/4 5/6 5/8	5/1	.0 5,	/12 5/	14 5/	'16 5 _/	18	5/20	5/22	5/24	5/26	5/28 5	5/30	0.9 6/1
				,	Water Tem	р								
90 80								~~						
F 70 60			<u>~</u>	~	~~									
50 - - - - 	5/4 5/6 5/8	5/1	10 5	/12 5/	14 5	/16 5	/18	5/20	5/22	5/24	5/26	5/28 5	5/30	6/1
500					Turbidity	,								
400									i					
P 300 200 100									i	-i				
4/28 4/30 5/3	2 5/4 5/6 5/8	5	5/10	5/12	5/14	5/16	5/18	5/20	5/22	5/24	5/26	5 5/28	5/30	6/1
SCDHEC in-stream standar	d: All pH values not less than 6.0 and r	not mo	ore than 8	.5	рН									
7.2	~	_		J.		\	\	^^			-	4	\sim	
T 6.8 6.4 6.4		<u></u>	~~	V		~	\	^^	i de			1		-
7.2 ± 6.8	5/4 5/6 5/8	5/	/10	5/12 5	5/14	5/16	5/18	5/20	5/22	5/24	5/26	5 5/28	5/30	6/1
T. 6.8 6.4 6.0	5/4 5/6 5/8	5/	710		i/14		5/18	5/20	5/22	5/24	5/26	5 5/28	5/30	6/1
7.2 E 6.8 6.4 6.0 4/28 4/30 5/2	5/4 5/6 5/8	5/	/10				5/18	5/20	5/22	5/24	5/26	5 5/28	5/30	6/1
T. 2 6.8 6.4 6.0 4/28 4/30 5/2	5/4 5/6 5/8	5/	(10				5/18	5/20	5/22	5/24	5/20	5 5/28	5/30	6/1
7.2 E 6.8 6.4 6.0 4/28 4/30 5/2			/10	Sp			5/18	5/20	5/22	5/24	5/26		5/30	6/1
7.2 6.8 6.4 6.0 4/28 4/30 5/2 0.3 0.2 0.1 0.0 4/28 4/30 5/2	2 5/4 5/6 5/8		5/10	Sp 5/12	ecific Conc	luctivity 5/16			7	~	5/2	6 5/28	5/30	6/1
7.2 6.8 6.4 6.0 4/28 4/30 5/2 0.3 0.2 0.1 0.0 4/28 4/30 5/2			5/10	Sp 5/12	ecific Conc	luctivity			7	~	5/2		5/30	6/1
7.2 6.8 6.4 6.0 4/28 4/30 5/2 0.3 8 0.2 0.0 4/28 4/30 5/2	2 5/4 5/6 5/8		5/10	Sp 5/12	ecific Conc	luctivity 5/16			7	~	5/2	6 5/28	5/30	6/1

Smith Branch A (April 28, 2022 - June 1, 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:

	Sample 1		Sample 2		Sample 3			
Analyte (units)	5/23/2022		5/23/2022		5/23/2022			
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	13:32	4374	14:52	8704	16:08	6896		
Total Suspended Solids (mg/L)	13:32	54.7	14:52	75.6	16:08	42.3		
Total Phosphorus (mg/L)	13:32	0.19	14:52	0.2	16:08	0.15		
Total Nitrogen (mg/L)	13:32	1.60	14:52	1.60	16:08	1.65		

All samples were collected during wet weather conditions.

Notes:

Data Gaps

Turbidity had a data gap from May 10th - 12th and May 28th - 29th due to sensor repairs.

Potential Illicit Discharges and Abnormal Events:

There were no indications of a potential illicit discharge or abnormal event during this monitoring period.

Smith Branch B (April 28, 2022 - June 1, 2022)

		CONTINUOUS	SUMMARY STATISTICS						
PARAMETER	ARAMETER DESCRIPTION		MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION		
STREAM NAME:	Smith Branch	STAGE (FT):	0.3	1.6	0.4	0.4	0.2		
LOCATION:	Off Mountain Drive						_		
NEAREST ADDRESS:	3950 Clement Rd Columbia, SC 29203	TEMPERATURE (°F):	60	82	71	71	4		
COORDINATES:	34.037933,-81.0591	TURBIDITY (NTU):	3	529	9	19	37		
TMDL/IMPAIRMENT:	Fecal Coliform	TOKBIBITT (NTO).	3	523	3	19	31		
NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.3	8.1	7.0	7.0	0.2		
SPATIAL LOCATION:	Most Downstream Site								
TOTAL NO. STORMS OVER 0.1 INCH:	7	SPECIFIC CONDUCTIVITY (mS/cm):	0.031	0.149	0.124	0.117	0.025		
MAX. DAILY RAINFALL: TOTAL RAINFALL (FOR	1.7 inches	DISSOLVED OXYGEN (mg/L):	5.8	10.1	7.5	7.6	0.9		
PERIOD):									
9	- n	Stage & Rainfa	nii	1 7			0.0		
Stage, #							Rain fall 12.0		
4/28 4/30 5/2	5/4 5/6 5/8	5/10 5/12 5/14 5/16	5/18 5/2	0 5/22 5/	/24 5/26	5/28 5/30	6/1		
		Water Tem)						
85 75 65	www	mm	W	M-~	in	w			
55 4/28 4/30 5/2	5/4 5/6 5/8	5/10 5/12 5/14 5/16	5/18 5/2	20 5/22 5	5/24 5/26	5/28 5/30	6/1		
		Turbidity							
600 500 400 300 200 100		- unduly							
P 400 200 200 100 200 200 200 200 200 200 2					1 1				
4/28 4/30 5/2	2 5/4 5/6 5/8	5/10 5/12 5/14 5/1	6 5/18 5	5/20 5/22	5/24 5/26	5/28 5/30	6/1		
SCDHEC in-stream standa	rd: All pH values not less than 6.0 and r	ot more than 8.5 pH							
8.0 7.5 7.0			<u> </u>	1					
6.5									
4/28 4/30 5/2	5/4 5/6 5/8	5/10 5/12 5/14 5/16	5 5/18 5/	/20 5/22	5/24 5/26	5/28 5/30	6/1		
		Specific Cond	uctivity						
I .									
0.20 g 0.15				+ + + + + + + + + + + + + + + + + + + +	 				
	-				3				
	5/4 5/6 5/8	5/10 5/12 5/14 5/:	16 5/18 5	5/20 5/22	5/24 5/26	5/28 5/30	6/1		
0.15 0.10 0.05 0.00 4/28 4/30 5/2	ndard: Daily average not less than 5 mg			5/20 5/22					
0.15 0.10 0.05 0.00 4/28 4/30 5/2				5/20 5/22		5/28 5/30 4 mg/L (SCDHEC Lo			
0.15 0.05 0.00 4/28 4/30 5/2				5/20 5/22					

Smith Branch B (April 28, 2022 - June 1, 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:

	Sample 1 5/20/2022		Sam	ple 2	Sam	ple 3	Sample 4 5/23/2022	
Analyte (units)			5/23/	/2022	5/23,	/2022		
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	8:40	605	13:44	1434	15:06	4494	16:19	6510
Total Suspended Solids (mg/L)	8:40	2.1	13:44	8.3	15:06	72.0	16:19	62.8
Total Phosphorus (mg/L)			13:44	0.11	15:06	0.20	16:19	0.17
Total Nitrogen (mg/L)			13:44	0.99	15:06	1.95	16:19	1.65