Gills Creek A (Feburary 16, 2023 - March 28, 2023)

					CONTINUOUS		SUMMARY STATISTICS									
PARAMETER	ARAMETER DESCRIPTION WATER QUA PARAMETER					NIMUM SERVED		XIMUM SERVED	MEDIAN		MEAN OBSERVED	STANDARI				
STREAM NAME:	Gi	lls Creek	(1 [STAGE (FT):			2.0		4.7	2.1		2.2	0.4		
LOCATION:	Forest	Drive Br	idge	1 [
ADDRESS:		Forest Di bia, SC 2			TEMP	ERATUR	RE (°F):		56		69	63		63	4	
COORDINATES:	34.01982	26, -80.9	63566		TURBIDITY (NTU):			3		177	4		7	12		
TMDL/IMPAIRMENT:	Fecal & Di	issolved	Oxygen		TOND		10).		5		177	-		I	12	
NEIGHBORING LANDUSE:	Residentia	I and cor	mmercial		pH:				6.6		6.9	6.7		6.7	0.1	
APPROX. DRAINAGE AREA:	48 so	quare mil	les		P				0.0		0.0					
SPATIAL LOCATION:	Most u	upstream	site		SPECI											
TOTAL NO. STORMS OVER 0.1 INCH:		7			COND (mS/cr	UCTIVIT n):	ſΥ	0.034 0.061		0.046		0.046	0.002			
MAX. DAILY RAINFALL:	1.4	1 inches] [DISSO	LVED			9 E		10.2	0.4				
TOTAL RAINFALL (FOR PERIOD):	4.9	inches			OXYG	EN (mg/	′L):		8.5	10.3		9.4		9.5	0.5	
						Sta	ge & Rain	fall				-				
# ¹² 8		-							Y					ا ا	0.0	
2 tage, ft				-		_									0.5	
0 2/16 2/18 2/20	2/22 2/24	2/26	2/28 3	3/2	3/4	3/6	3/8	3/10	3/12 3	/14	3/16 3/1	8 3/20	3/22	3/24 3/26	3/28 1.5	
80						V	Vater Ten	יף 			-					
ب ⁷⁰			-	+		~~				+						
60																
2/16 2/18 2/20	2/22 2/24	2/26	2/28	3/2	3/4	3/6	3/8	3/10	3/12	3/14	3/16 3/	/18 3/20	3/22	3/24 3/26	3/28	
200							Turbidit	y .								
150				-									-		•	
50									- 1							
0 ++	2/22 2/24	1 2/26	2/28	3/2	3/4	3/6	3/8	3/10	3/12	3/14	3/16 3	/18 3/20	3/2	2 3/24 3/26	3/28	
SCDHEC in-stream stand	ard: All pH value:	s not less ti	han 6.0 and	not m	ore than 8.		рН									
7.0						\neg										
Е ^{6.8}				4	~^~	$\overline{\mathbf{v}}$	\sim			\sim	~~~		2	and we are	2.1	
6.4												<u> </u>				
2/16 2/18 2/20	2/22 2/24	2/26	2/28	3/2	3/4	3/6	3/8	3/10	3/12	3/14	3/16 3	/18 3/20	3/2	2 3/24 3/26	3/28	
						Sp	ecific Con	ductivity	1							
0.08 0.06															•	
5 0.06 0.04 0.02										~			-			
0.00																
2/16 2/18 2/20	2/22 2/24	2/26	2/28	3/2	3/4	3/6	3/8	3/10	3/12	3/14	3/16 3	3/18 3/20	3/2	2 3/24 3/26	3/28	
SCDHEC in-stream sta	ndard: Daily aver	age not les	s than 5 mg	/L wit	h a low of 4	mg/L	Dissolve	d Oxyge	n					4 mg/L (SCDHEC Lo	w Standard)	
12						\equiv										
10		1														
10 3 2 2 2 2 2 3 						\rightarrow		\mp								
10 8 4 2																

Gills Creek A (Feburary 16, 2023 - March 28, 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: No samples were collected at GilA during this monitoring period.

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

There was a data gap from 2/16 - 3/1 for all the water quality parameters since the new sonde was installed on 3/1.

Potential Illicit Discharges and Abnormal Events:

There were no abnormal events during this monitoring period.

Gills Creek B (Feburary 16, 2023 - March 28, 2023)

		CONTINUOUS	SUMMARY STATISTICS					
PARAMETER	DESCRIPTION WATER QUALITY PARAMETERS:		MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDAR DEVIATIO	
STREAM NAME:	Gills Creek	DISCHARGE (CFS):	35.8	850.0	60.0	80.1	87.3	
OCATION:	Devine Street bridge	TEMPERATURE	54	70	<u></u>	60		
ADDRESS:	4716 Devine Street Columbia, SC 29209	(°F):	54	70	63	62	4	
COORDINATES:	33.989656, -80.97433	TURBIDITY (NTU):	4	118	9	10	6	
MDL/IMPAIRMENT:	Fecal & Dissolved Oxygen			110	Ŭ	10	Ű	
EIGHBORING LANDUSE:	Residential and commercial	pH:	6.3	6.7	6.4	6.5	0.1	
APPROX. DRAINAGE AREA:	59 square miles	pri.	0.5	0.7	0.4	0.5	0.1	
PATIAL LOCATION:	Middle site	SPECIFIC						
OTAL NO. STORMS OVER .1 INCH:	7	CONDUCTIVITY (mS/cm):	0.037	0.082	0.053	0.053	0.002	
IAX. DAILY RAINFALL:	1.4 inches	DISSOLVED						
OTAL RAINFALL (FOR ERIOD):	4.9 inches	OXYGEN (mg/L):	6.8	10.7	9.0	8.9	0.7	
	ne USGS 02169570 Gills Creek station.	Discharge & Rain	nfall					
1000			· · ·				0.0	
							0.5	
0 2/16 2/18 2/20 2/22	2/24 2/26 2/28 3/2	3/4 3/6 3/8 3/1	.0 3/12 3/1	4 3/16 3/18	3/20 3/22	3/24 3/26	3/28	
80		Water Temp						
70						m		
60 50				~~~	\sim			
2/16 2/18 2/20 2/22	2 2/24 2/26 2/28 3/2	3/4 3/6 3/8 3/	10 3/12 3/	14 3/16 3/18	8 3/20 3/22	3/24 3/26	3/28	
		Turbidity						
200								
P 100								
0	22 2/24 2/26 2/28 3/2	3/4 3/6 3/8 3	/10 3/12 3,	/14 3/16 3/1	8 3/20 3/22	3/24 3/26	3/28	
7.3	PH values not less than 6.0 and not more	than 8.5 pH						
7.0 6.7 6.4								
6.1 5.8								
2/16 2/18 2/20 2/22	2 2/24 2/26 2/28 3/2	3/4 3/6 3/8 3/	/10 3/12 3/	14 3/16 3/1	.8 3/20 3/22	3/24 3/26	3/28	
		Specific Condu	ctivity					
0.10								
0.06		≠		╞╍╍┥┯╍┪	╼─┼╼┿┥		~	
0.00		2/4 2/5 2/9 2	/10 2/12 2	(14 2/16 2/	18 2/20 2/22	2/24 2/26	2/29	
2/16 2/18 2/20 2/2	22 2/24 2/26 2/28 3/2	3/4 3/6 3/8 3	/10 3/12 3,	/14 3/16 3/2	18 3/20 3/22	3/24 3/26	3/28	
SCDHEC in-stream standard:	I: Daily average not less than 5 mg/L with a	low of 4 mg/L Dissolved O	xygen	1		4 mg/L (SCDHEC	Low Standard	
		-	tant					
w _								
					++			

Gills Creek B (Feburary 16, 2023 - March 28, 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: No samples were collected at GilB during this monitoring period.

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

There was a data grap in specific conductivity from 3/4 to 3/6 due to sensor fouling.

Potential Illicit Discharges and Abnormal Events:

Specific conductivity spiked on 3/21, which may have been the result of a potential illicit discharge.

Gills Creek C (Feburary 16, 2023 - March 28, 2023)

		CONTINUOUS	SUMMARY STATISTICS						
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION		
STREAM NAME:	Gills Creek	STAGE (FT):	3.2	8.1	3.7	3.9	0.8		
LOCATION:	Bluff Road bridge		50	70	<u></u>	62	F		
ADDRESS:	3009 Bluff Rd. Columbia, SC 29209	TEMPERATURE (°F):	50	70	62	62	5		
COORDINATES:	33.948043, -80.9889	TURBIDITY (NTU):	5	73	7	8	5		
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	TOKBIDITT (NTO).	5	75	1	0	5		
NEIGHBORING LANDUSE:	Residential and commercial		<u> </u>	6.4	6.0	<u> </u>	0.4		
APPROX. DRAINAGE AREA:	64 square miles	pH:	6.0	6.4	6.2	6.2	0.1		
SPATIAL LOCATION:	Most downstream site	SPECIFIC							
TOTAL NO. STORMS OVER 0.1 INCH:	7	CONDUCTIVITY (mS/cm):	0.039	0.071	0.058	0.057	0.003		
MAX. DAILY RAINFALL:	1.74 inches	DISSOLVED							
TOTAL RAINFALL (FOR PERIOD):	5.5 inches	OXYGEN (mg/L):	6.6	10.5	8.2	8.2	0.9		
		Stage & Raini	fall						
# 12 # 1 # 12 # 1 # 1 # 1 # 1 # 1 # 1 # 1 # 1	2/22 2/24 2/26 2/28 3/2	3/4 3/6 3/8	3/10 3/12 3/	14 3/16 3/1	8 3/20 3/22	3/24 3/26	0.0 0.5 1.0 3/28		
		Water Tem	p						
# 80 70 60 50 40 2010 2010 2010		2 3/4 3/6 3/8	3/10 3/12 3	/14 3/16 3/2	~~~				
2/16 2/18 2/20	2/22 2/24 2/26 2/28 3/2	2 3/1 3/6 3/6	5,10 5,12 5	,,,	18 3/20 3/22	3/24 3/26	3/28		
	2/22 2/24 2/26 2/28 3/:	Turbidity			18 3/20 3/22	3/24 3/26	3/28		
2/16 2/18 2/20	2/22 2/24 2/26 2/28 3/:					3/24 3/26	3/28		
E 100 E 10					18 3/20 3/22 118 3/20 3/22		3/28		
2/16 2/18 2/20		Turbidity							
E 150 100 50 0 2/16 2/18 2/20 SCDHEC in-stream standa	2/22 2/24 2/26 2/28 3	Turbidity							
D 150 100 50 0 2/16 2/18 2/20 SCDHEC in-stream standa 6.6 6.4	2/22 2/24 2/26 2/28 3	Turbidity /2 3/4 3/6 3/8 more than 8.5 pH	3/10 3/12		18 3/20 3/2	2 3/24 3/26			
E 50 50 0 2/16 2/18 2/20 50 0 2/16 2/18 2/20 50 50 0 2/16 2/18 2/20 50 50 50 0 2/16 2/18 2/20 50 50 50 50 50 50 50 50 50 5	2/22 2/24 2/26 2/28 3 ard: All pH values not less than 6.0 and not	Turbidity /2 3/4 3/6 3/8 more than 8.5 pH 2 3/4 3/6 3/8	3/10 3/12	3/14 3/16 3,	18 3/20 3/2	2 3/24 3/26	3/28		
E	2/22 2/24 2/26 2/28 3 ard: All pH values not less than 6.0 and not	Turbidity /2 3/4 3/6 3/8 more than 8.5 pH	3/10 3/12	3/14 3/16 3,	18 3/20 3/2	2 3/24 3/26	3/28		
E	2/22 2/24 2/26 2/28 3 ard: All pH values not less than 6.0 and not	Turbidity /2 3/4 3/6 3/8 more than 8.5 pH 2 3/4 3/6 3/8	3/10 3/12	3/14 3/16 3,	18 3/20 3/2	2 3/24 3/26	3/28		
E	2/22 2/24 2/26 2/28 3 ard: All pH values not less than 6.0 and not 2/22 2/24 2/26 2/28 3/	Turbidity /2 3/4 3/6 3/8 more than 8.5 pH 2 3/4 3/6 3/8	3/10 3/12	3/14 3/16 3,	18 3/20 3/2	2 3/24 3/26	3/28		
E 0.10 0 2/16 2/18 2/20 0 0 2/16 2/18 2/20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2/22 2/24 2/26 2/28 3 ard: All pH values not less than 6.0 and not 2/22 2/24 2/26 2/28 3/.	Turbidity /2 3/4 3/6 3/8 more than 8.5 pH 2 3/4 3/6 3/8 Specific Cond /2 3/4 3/6 3/8	3/10 3/12	3/14 3/16 3,	18 3/20 3/2 18 3/20 3/2 18 3/20 3/2 18 3/20 3/2	2 3/24 3/26	3/28		
50 50 50 50 50 50 50 50 50 50	2/22 2/24 2/26 2/28 3 ard: All pH values not less than 6.0 and not 2/22 2/24 2/26 2/28 3/. 2/22 2/24 2/26 2/28 3/.	Turbidity /2 3/4 3/6 3/8 more than 8.5 pH 2 3/4 3/6 3/8 Specific Cond /2 3/4 3/6 3/8	3/10 3/12	3/14 3/16 3,	18 3/20 3/2 18 3/20 3/2 18 3/20 3/2 18 3/20 3/2	2 3/24 3/26	3/28		
E 0.10 50 0 2/16 2/18 2/20 50 0 2/16 2/18 2/20 50 50 50 50 50 50 50 50 50 5	2/22 2/24 2/26 2/28 3 ard: All pH values not less than 6.0 and not 2/22 2/24 2/26 2/28 3/. 2/22 2/24 2/26 2/28 3/.	Turbidity /2 3/4 3/6 3/8 more than 8.5 pH 2 3/4 3/6 3/8 Specific Cond /2 3/4 3/6 3/8	3/10 3/12	3/14 3/16 3,	18 3/20 3/2 18 3/20 3/2 18 3/20 3/2 18 3/20 3/2	2 3/24 3/26	3/28		

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

REPORT GENERATED ON 4/25/2023

Gills Creek C (Feburary 16, 2023 - March 28, 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: No samples were collected at GilC during this monitoring period.

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

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

Potential Illicit Discharges and Abnormal Events:

There were no abnormal events at the GILC station during this monitoring period.