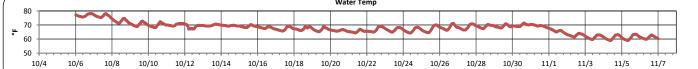
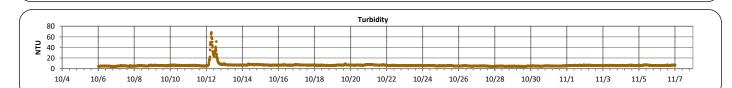
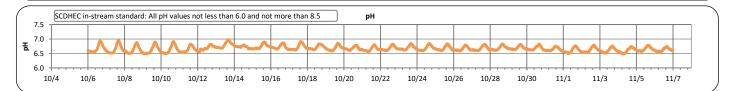
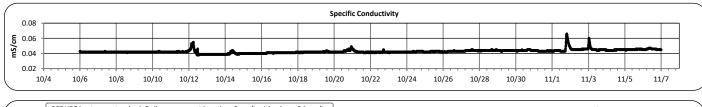
Gills Creek A (October 4, 2023 - November 7, 2023)

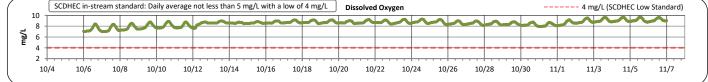
		CONTINUOUS		SUM	IMARY STATIS	TICS		
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION	
STREAM NAME:	Gills Creek	STAGE (FT):	1.4	2.1	1.5	1.5	0.2	
LOCATION:	Forest Drive Bridge							
ADDRESS:	4840 Forest Drive, Columbia, SC 29206	TEMPERATURE (°F):	59	78	68	68	4	
COORDINATES:	34.019826, -80.963566	TURBIDITY (NTU):	4	68	6	6	4	
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen			00	Ű	ů	·	
NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.5	7.0	6.7	6.7	0.1	
APPROX. DRAINAGE AREA:	48 square miles	pri.	0.0				0.1	
SPATIAL LOCATION:	Most upstream site	SPECIFIC						
TOTAL NO. STORMS OVER 0.1 INCH:	2	CONDUCTIVITY (mS/cm):	0.038	0.066	0.042	0.043	0.002	
MAX. DAILY RAINFALL:	1.2 inches	DISSOLVED						
TOTAL RAINFALL (FOR PERIOD):	1.6 inches	OXYGEN (mg/L):	7.0 9.7		8.6	8.6	0.5	
		Stage & Rain	fall	·	·	- 		
# 3 # 3 # 3 # 3 # 3 # 3 # 3 # 3	10/10 10/12 10/14 10/2	16 10/18 10/20 10/2	2 10/24 10/	26 10/28 10)/30 11/1	11/3 11/5	0.0 0.1 ii 0.2 ig 0.3 ie 0.4 11/7	
80		Water Ten	np					











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

Gills Creek A (October 4, 2023 - November 7, 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 grab samples were collected 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 GILA station during this monitoring period.

Potential Illicit Discharges and Abnormal Events:

There were multiple instances of increased specfic conductivity throughout the monitoring period, most notably on 11/2 and 11/3, which may have been the result of illicit discharges.

Gills Creek B (October 4, 2023 - November 7, 2023)

		CONTINUOUS	SUMMARY STATISTICS					
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN MEAN OBSERVED OBSERVED		STANDARI DEVIATION	
STREAM NAME:	Gills Creek	DISCHARGE (CFS):	12.7	91.6	19.4	24.1	14.3	
OCATION:	Devine Street bridge	TEMPERATURE						
ADDRESS:	4716 Devine Street Columbia, SC 29209	(°F):	57	79	67	67	4	
COORDINATES:	33.989656, -80.97433	TURBIDITY (NTU):	6	35	12	13	3	
MDL/IMPAIRMENT:	Fecal & Dissolved Oxygen		0		12	15	3	
EIGHBORING LANDUSE:	Residential and commercial	pH:	6.2	6.8	6.4	6.4	0.1	
APPROX. DRAINAGE AREA:	59 square miles	P	0.2	0.0	0.1	0.1	0.1	
SPATIAL LOCATION:	Middle site	SPECIFIC						
OTAL NO. STORMS OVER .1 INCH:	3	CONDUCTIVITY (mS/cm):	0.044	0.058	0.050	0.051	0.002	
IAX. DAILY RAINFALL:	1.3 inches	DISSOLVED	5.0		7 5	7.0		
OTAL RAINFALL (FOR PERIOD):	1.8 inches	OXYGEN (mg/L):	5.3	8.6	7.5	7.3	0.7	
This discharge data is from the	e USGS 02169570 Gills Creek station.	Discharge & Rai	nfall		-			
150							0.0	
50							1.0	
0 10/4 10/6 10/8 10	0/10 10/12 10/14 10/16	10/18 10/20 10/22	10/24 10/2	6 10/28 10/	/30 11/1 1	1/3 11/5	1.5	
85		Water Temp						
. 75								
65							~	
	0/10 10/12 10/14 10/16	10/18 10/20 10/22	10/24 10/2	26 10/28 10	/30 11/1	11/3 11/5	11/7	
		Turbidity						
30	•							
P ³⁰ ₁₅	- Martin		Autor	and the	men	same.		
0 10/4 10/6 10/8	10/10 10/12 10/14 10/16	10/18 10/20 10/22	10/24 10,	/26 10/28 1	0/30 11/1	11/3 11/5	11/7	
							· · · · · · · · · · · · · · · · · · ·	
SCDHEC in-stream standard: All	pH values not less than 6.0 and not more	e than 8.5 pH						
6.5								
6.0								
5.5 +	10/10 10/12 10/14 10/16	10/18 10/20 10/22	10/24 10/	26 10/28 10	0/30 11/1	11/3 11/5	11/7	
		Specific Condu						
0.08				• · · · · · · · · · · · · · · · · · · ·	+			
	· · · · · · · · · · · · · · · · · · ·	<u></u>						
0.06	`							
0.06 0.04 0.02	10/10 10/12 10/14 10/16	10/18 10/20 10/22	10/24 10,	/26 10/28 1	0/30 11/1	11/3 11/5	11/7	
0.06 0.04 0.02 10/4 10/6 10/8	10/10 10/12 10/14 10/16 Daily average not less than 5 mg/L with a			/26 10/28 1	0/30 11/1			
0.06 0.04 0.02 10/4 10/6 10/8				/26 10/28 1	0/30 11/1	11/3 11/5		
0.06 0.04 0.02 10/4 10/6 10/8				/26 10/28 1				

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

Gills Creek B (October 4, 2023 - November 7, 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 grab samples were collected 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 in all water quality parameters from 10/9 - 10/11 due to instrumentation malfunction.

Potential Illicit Discharges and Abnormal Events:

Specific conductivity increased on 10/26, which may have been the result of a potential illicit discharge.

Gills Creek C (October 4, 2023 - November 7, 2023)

		CONTINUOUS	SUMMARY STATISTICS						
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDAR		
STREAM NAME:	Gills Creek	STAGE (FT):	2.6	4.2	2.8	2.9	0.3		
LOCATION:	Bluff Road bridge								
ADDRESS:	3009 Bluff Rd.	TEMPERATURE (°F):	52	74	65	64	5		
COORDINATES:	Columbia, SC 29209 33.948043, -80.9889								
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	TURBIDITY (NTU):	4	39	6	7	3		
NEIGHBORING _ANDUSE:	Residential and commercial								
APPROX. DRAINAGE AREA:	64 square miles	pH:	6.1	6.4	6.3	6.3	0.0		
SPATIAL LOCATION:	Most downstream site	SPECIFIC							
TOTAL NO. STORMS OVER 0.1 INCH:	2	CONDUCTIVITY (mS/cm):	0.050	0.068	0.060	0.059	0.004		
MAX. DAILY RAINFALL:	1.38 inches	DISSOLVED							
TOTAL RAINFALL (FOR PERIOD):	1.9 inches	OXYGEN (mg/L):	6.1	8.8	7.4	7.4	0.6		
8		Stage & Rain	fall				0.0		
							0.5		
2							0.7		
0 + + +	/ ···	 ! ! !							
10/4 10/6 10/8	10/10 10/12 10/14 10/1	16 10/18 10/20 10/2	2 10/24 10/	26 10/28 10	0/30 11/1	11/3 11/5	11/7		
	10/10 10/12 10/14 10/1	16 10/18 10/20 10/2	2 10/24 10/	26 10/28 10	0/30 11/1	11/3 11/5	11/7		
10/4 10/6 10/8	10/10 10/12 10/14 10/1	16 10/18 10/20 10/2 Water Tem		/26 10/28 10	0/30 11/1	11/3 11/5	11//		
10/4 10/6 10/8					0/30 11/1				
10/4 10/6 10/8					0/30 11/1				
10/4 10/6 10/8		Water Tem	p						
10/4 10/6 10/8	10/10 10/12 10/14 10/1	Water Tem	p		0/30 11/1	11/3 11/5 11/3 11/5	11/7		
10/4 10/6 10/8		Water Tem 16 10/18 10/20 10/2	p 22 10/24 10						
10/4 10/6 10/8		Water Tem	p 22 10/24 10						
10/4 10/6 10/8	10/10 10/12 10/14 10/	Water Tem 16 10/18 10/20 10/2	p 22 10/24 10						
10/4 10/6 10/8	10/10 10/12 10/14 10/	Water Tem 16 10/18 10/20 10/2	p 22 10/24 10						
10/4 10/6 10/8 80 70 50 40 10/4 10/6 10/8 10/4 10/6 10/8 10/8		Water Tem 16 10/18 10/20 10/2 Turbidity	p 22 10/24 10	/26 10/28 1					
10/4 10/6 10/8 $10/4 10/6 10/8$ $10/4 10/6 10/8$ $10/4 10/6 10/8$		Water Tem 16 10/18 10/20 10/2 Turbidity 0/16 10/18 10/20 10	p 22 10/24 10	/26 10/28 1	10/30 11/1	11/3 11/5	11/7		
10/4 $10/6$ $10/870704010/4$ $10/6$ $10/810/4$ $10/6$ $10/810/4$ $10/6$ $10/8$		Water Tem 16 10/18 10/20 10/2 Turbidity 0/16 10/18 10/20 10	p 22 10/24 10	/26 10/28 1	10/30 11/1	11/3 11/5	11/7		
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10/4 10/6 10/8 80 70 60 40 10/4 10/6 10/8 60 40 10/4 10/6 10/8 60 10/4 10/6 10/8 60 10/4 10/6 10/8 60 10/8		Water Tem 16 10/18 10/20 10/2 Turbidity 0/16 10/18 10/20 10	p 22 10/24 10	/26 10/28 1	10/30 11/1	11/3 11/5	11/7		
10/4 10/6 10/8 80 70 60 50 40 10/4 10/6 10/8 60 10/4 10/6 10/8 70 60 10/4 10/6 10/8 70 60 60 50 50 10/4 10/6 10/8 70 10/6 10/8 70 10/4 10/6 10/8 70 10/6 10/8 70 10/6 10/8 70 10/6 10/8 10/6 10/8 10/8 10/8	10/10 10/12 10/14 10/ 10/10 10/12 10/14 10/ 3 10/10 10/12 10/14 10 rd: All pH values not less than 6.0 and not	Water Tem 16 10/18 10/20 10/1 16 10/18 10/20 10/1 Turbidity 0/16 10/18 10/20 10 more than 8.5 pH	p 22 10/24 10 /22 10/24 1	/26 10/28 1					
10/4 10/6 10/8 80 70 50 40 10/4 10/6 10/8 45 15 0 10/4 10/6 10/8 7.0 5CDHEC in-stream standad 7.0 5CDHEC in-stream standad		Water Tem 16 10/18 10/20 10/1 16 10/18 10/20 10/1 Turbidity 0/16 10/18 10/20 10 more than 8.5 pH	p 22 10/24 10 /22 10/24 1	/26 10/28 1	10/30 11/1	11/3 11/5	11/7		
10/4 10/6 10/8 80 70 50 40 10/4 10/6 10/8 7.0 50 15 0 10/4 10/6 10/8 7.0 5.5 5.5 10/4 10/6 10/8	10/10 10/12 10/14 10/ 10/10 10/12 10/14 10/ 3 10/10 10/12 10/14 10 rd: All pH values not less than 6.0 and not	Water Tem 16 10/18 10/20 10/1 16 10/18 10/20 10/1 Turbidity 0/16 10/18 10/20 10 more than 8.5 pH	p 22 10/24 10 7/22 10/24 1 22 10/24 1	/26 10/28 1			11/7		
10/4 10/6 10/8 80 70 60 50 40 10/4 10/6 10/8 6 50 40 10/4 10/6 10/8 6 50 40 10/4 10/6 10/8 6 5 5 6 6 5 6 10 10 10 10 10 10 10 10 10 10	10/10 10/12 10/14 10/ 10/10 10/12 10/14 10/ 3 10/10 10/12 10/14 10 rd: All pH values not less than 6.0 and not	Water Tem 16 10/18 10/20 10/2 Turbidity 16 10/18 10/20 10 	p 22 10/24 10 7/22 10/24 1 22 10/24 1	/26 10/28 1			11/7 11/7		
10/4 10/6 10/8 80 70 60 50 40 10/4 10/6 10/8	10/10 10/12 10/14 10/ 10/10 10/12 10/14 10/ 3 10/10 10/12 10/14 10 rd: All pH values not less than 6.0 and not	Water Tem 16 10/18 10/20 10/2 Turbidity 16 10/18 10/20 10 	p 22 10/24 10 7/22 10/24 1 22 10/24 1	/26 10/28 1			11/7		
10/4 10/6 10/8 80 70 50 40 10/4 10/6 10/8 60 10/4 10/6 10/8 50 10/4 10/8 10/8 10/8 10/	10/10 10/12 10/14 10/ 10/10 10/12 10/14 10/ 3 10/10 10/12 10/14 10 rd: All pH values not less than 6.0 and not	Water Tem 16 10/18 10/20 10/2 Turbidity 16 10/18 10/20 10 		/26 10/28 1			11/7		
10/4 10/6 10/8 80 70 60 50 40 10/4 10/6 10/8 6.5 6.5 6.0 5.5 10/4 10/6 10/8 0.09	10/10 10/12 10/14 10/ 10/10 10/12 10/14 10/ 3 10/10 10/12 10/14 10/ rd: All pH values not less than 6.0 and not 10/10 10/12 10/14 10/	Water Tem 16 10/18 10/20 10/2 Turbidity 16 10/18 10/20 10 10/16 10/18 10/20 10 more than 8.5 pH 16 10/18 10/20 10/ Specific Cond	p 22 10/24 10 22 10/24 10 22 10/24 1 22 10/24 1 3uctivity 1				11/7 11/7		
10/4 10/6 10/8 80 70 50 40 10/4 10/6 10/8 7.0 50 40 10/4 10/6 10/8 7.0 5.5 10/4 10/6 10/8 7.0 5.5 10/4 10/6 10/8 5.5 10/4 10/6 10/8 5.5 10/4 10/6 10/8	10/10 10/12 10/14 10/ 10/10 10/12 10/14 10/ 3 10/10 10/12 10/14 10/ rd: All pH values not less than 6.0 and not 10/10 10/12 10/14 10/ 10/10 10/12 10/14 10/	Water Tem 16 10/18 10/20 10/2 Turbidity 16 10/18 10/20 10 more than 8.5 pH 16 10/18 10/20 10 Specific Cond 16 10/18 10/20 10 10/16 10/18 10/20 10	p 22 10/24 10 22 10/24 10 22 10/24 1 22 10/24 1 22 10/24 1 22 10/24 1 22 10/24 1		10/30 11/1 10/30 11/1 10/30 11/1 10/30 11/1				
10/4 10/6 10/8 80 70 60 50 40 10/4 10/6 10/8 7.0 6.5 6.0 5.5 10/4 10/6 10/8 80 7.0 6.5 6.0 5.5 10/4 10/6 10/8 90 90 90 90 90 90 90 90 90 90	10/10 10/12 10/14 10/ 10/10 10/12 10/14 10/ 3 10/10 10/12 10/14 10/ rd: All pH values not less than 6.0 and not 10/10 10/12 10/14 10/	Water Tem 16 10/18 10/20 10/2 Turbidity 16 10/18 10/20 10 more than 8.5 pH 16 10/18 10/20 10 Specific Cond 16 10/18 10/20 10 10/16 10/18 10/20 10	p 22 10/24 10 22 10/24 10 22 10/24 1 22 10/24 1 3uctivity 1		10/30 11/1 10/30 11/1 10/30 11/1 10/30 11/1				
10/4 10/6 10/8 80 70 50 40 10/4 10/6 10/8 7.0 50 10/4 10/6 10/8 7.0 5.5 10/4 10/6 10/8 5.5 10/4 10/6 10/8	10/10 10/12 10/14 10/ 10/10 10/12 10/14 10/ 3 10/10 10/12 10/14 10/ rd: All pH values not less than 6.0 and not 10/10 10/12 10/14 10/ 10/10 10/12 10/14 10/	Water Tem 16 10/18 10/20 10/2 Turbidity 16 10/18 10/20 10 more than 8.5 pH 16 10/18 10/20 10 Specific Cond 16 10/18 10/20 10 10/16 10/18 10/20 10	p 22 10/24 10 22 10/24 10 22 10/24 1 22 10/24 1 22 10/24 1 22 10/24 1 22 10/24 1		10/30 11/1 10/30 11/1 10/30 11/1 10/30 11/1				
10/4 10/6 10/8 80 70 50 40 10/4 10/6 10/8 7.0 50 10/4 10/6 10/8 7.0 5.5 10/4 10/6 10/8 7.0 5.5 10/4 10/6 10/8 5.5 10/4 10/6 10/8 5.5 5.5 10/4 10/6 10/8 5.5 5.5 5.5 5.5 10/4 10/6 10/8 5.5 5.5 5.5 5.5 5.5 5.5 5.5 5.	10/10 10/12 10/14 10/ 10/10 10/12 10/14 10/ 3 10/10 10/12 10/14 10/ rd: All pH values not less than 6.0 and not 10/10 10/12 10/14 10/ 10/10 10/12 10/14 10/	Water Tem 16 10/18 10/20 10/2 Turbidity 16 10/18 10/20 10 more than 8.5 pH 16 10/18 10/20 10 Specific Cond 16 10/18 10/20 10 10/16 10/18 10/20 10	p 22 10/24 10 22 10/24 10 22 10/24 1 22 10/24 1 22 10/24 1 22 10/24 1 22 10/24 1		10/30 11/1 10/30 11/1 10/30 11/1 10/30 11/1				

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

Gills Creek C (October 4, 2023 - November 7, 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 grab samples were collected 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 in DO, pH, specific conductivity and temperature from 10/10 - 10/11 due to a sensor malfunction.

Potential Illicit Discharges and Abnormal Events:

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