Gills Creek A (June 2, 2022 - July 6, 2022)

		CONTINUOUS	SUMMARY STATISTICS					
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDAR DEVIATION	
STREAM NAME:	Gills Creek	STAGE (FT):	1.3	3.4	1.7	1.8	0.5	
LOCATION:	Forest Drive Bridge							
ADDRESS:	4840 Forest Drive, Columbia, SC 29206	TEMPERATURE (°F)	75	91	84	85	2	
COORDINATES:	34.019826, -80.963566	TURBIDITY (NTU):	4	263	6	9	20	
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	TOKBIDITT (NTO).	Ť	203	O		20	
NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.3	7.3	6.9	6.8	0.2	
APPROX. DRAINAGE AREA:	48 square miles	'						
SPATIAL LOCATION:	Most upstream site	SPECIFIC						
TOTAL NO. STORMS OVER 0.1 INCH:	10	CONDUCTIVITY (mS/cm):	0.024	0.078	0.049	0.049	0.004	
MAX. DAILY RAINFALL:	1.3 inches	DISSOLVED						
TOTAL RAINFALL FOR PERIOD):	6.5 inches	OXYGEN (mg/L):	5.4	7.8	7.1	6.9	0.5	
		Stage & Rai	nfall					
= 12		1			4		0.0	
2 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8							1.0	
6/2 6/4 6/6	6/8 6/10 6/12 6	6/14 6/16 6/18	6/20 6/22	6/24 6/26	6/28 6/30	7/2 7/4	7/6	
100		Water Te	тр					
90			A . A A	/LAA			Λ.	
80	munu-				7			
6/2 6/4 6/6	6/8 6/10 6/12	6/14 6/16 6/18	6/20 6/22	6/24 6/26	6/28 6/30	7/2 7/	4 7/6	
							4 7/0	
300		Turbidi	ty				7/0	
300			ty				4 //0	
P 200			ty				7/0	
			6/20 6/22	6/24 6/26	6/28 6/30			
200 100 6/2 6/4 6/		6/14 6/16 6/18		6/24 6/26	6/28 6/30			
200 100 6/2 6/4 6/	/6 6/8 6/10 6/12	6/14 6/16 6/18		6/24 6/26	6/28 6/30			
200 100 6/2 6/4 6/	/6 6/8 6/10 6/12	6/14 6/16 6/18		6/24 6/26	6/28 6/30			
200 100 6/2 6/4 6/	lard: All pH values not less than 6.0 and no	6/14 6/16 6/18 ot more than 8.5 pH	6/20 6/22	,,,,	~~	0 7/2 7,	4 7/6	
200 100 6/2 6/4 6/	lard: All pH values not less than 6.0 and no	6/14 6/16 6/18		6/24 6/26	6/28 6/30	0 7/2 7,		
200 100 6/2 6/4 6/	lard: All pH values not less than 6.0 and no	6/14 6/16 6/18 ot more than 8.5 pH	6/20 6/22	,,,,	~~	0 7/2 7,	4 7/6	
200 100 6/2 6/4 6/ SCDHEC in-stream stand 7.0 6.5 6.0 6/2 6/4 6/6	lard: All pH values not less than 6.0 and no	6/14 6/16 6/18 st more than 8.5 pH 6/14 6/16 6/18	6/20 6/22	,,,,	~~	0 7/2 7,	4 7/6	
200 100 6/2 6/4 6/ SCDHEC in-stream stand 7.5 6.5 6.0 6/2 6/4 6/6	lard: All pH values not less than 6.0 and no	6/14 6/16 6/18 st more than 8.5 pH 6/14 6/16 6/18	6/20 6/22	,,,,	~~	0 7/2 7,	4 7/6	
200 100 6/2 6/4 6/ SCDHEC in-stream stand 7.5 6.5 6.0 6/2 6/4 6/6	lard: All pH values not less than 6.0 and no	6/14 6/16 6/18 at more than 8.5 pH 6/14 6/16 6/18 Specific Co	6/20 6/22 6/20 6/22 nductivity	6/24 6/26	6/28 6/30	0 7/2 7	4 7/6	
200 100 6/2 6/4 6/ SCDHEC in-stream stand 7.5 6.5 6.0 6/2 6/4 6/6	lard: All pH values not less than 6.0 and no	6/14 6/16 6/18 st more than 8.5 pH 6/14 6/16 6/18	6/20 6/22	,,,,	~~	0 7/2 7	4 7/6	
200 100 6/2 6/4 6/ SCDHEC in-stream stand 7.5 6.5 6.0 6/2 6/4 6/6 SCDHEC in-stream stand 0.08 0.08 0.09 0.00 0.00 0.00 0.00 0.00 6/2 6/4 6/6	lard: All pH values not less than 6.0 and no	6/14 6/16 6/18 st more than 8.5 pH 6/14 6/16 6/18 Specific Co	6/20 6/22 6/20 6/22 nductivity	6/24 6/26	6/28 6/30	0 7/2 7	/4 7/6	
200 100 6/2 6/4 6/ SCDHEC in-stream stand 7.5 6.5 6.0 6/2 6/4 6/6 0.08 0.08 0.00	6 6/8 6/10 6/12 Iard: All pH values not less than 6.0 and no	6/14 6/16 6/18 st more than 8.5 pH 6/14 6/16 6/18 Specific Co	6/20 6/22 6/20 6/22 nductivity	6/24 6/26	6/28 6/30	0 7/2 7	/4 7/6	
200 100 0 6/2 6/4 6/6 SCDHEC in-stream stand 6.5 6.0 6.2 6.4 6.6 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 6/2 6/4 6/6	6 6/8 6/10 6/12 Iard: All pH values not less than 6.0 and no	6/14 6/16 6/18 st more than 8.5 pH 6/14 6/16 6/18 Specific Co	6/20 6/22 6/20 6/22 nductivity	6/24 6/26	6/28 6/30	0 7/2 7	7/4 7/6 7/4 7/6	

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

Gills Creek A (June 2, 2022 - July 6, 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:

	Sam	ple 1						
Analyte (units)	6/29	6/29/2022						
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	12:00	5,446						
Total Suspended Solids (mg/L)	12:00	27.0						
Total Phosphorus (mg/L)	12:00	0.058						
Total Nitrogen (mg/L)	12:00	0.805						

Sample 1 was collected during wet weather conditions.

Notes:

Data Gaps

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

Potential Illicit Discharges and Abnormal Events:

Specific conductivity increased on 6/6, 6/11, and 6/23 during the monitoring period, which may have been the result of illicit discharges.

Gills Creek B (June 2, 2022 - July 6, 20222)

		CONTINUOUS	SUMMARY STATISTICS					
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION	
STREAM NAME:	Gills Creek	DISCHARGE (CFS):	8.3	444.0	31.4	56.7	63.7	
LOCATION:	Devine Street bridge	TEMPERATURE					_	
ADDRESS:	4716 Devine Street Columbia, SC 29209	(°F):	77	94	84	85	3	
COORDINATES:	33.989656, -80.97433	TURBIDITY (NTU):	6	277	12	15	17	
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	TOKBIDITT (NTO).	0	211	12	15	17	
NEIGHBORING LANDUSE:	Residential and commercial	pH:	5.9	7.2	6.7	6.7	0.2	
APPROX. DRAINAGE AREA:	59 square miles	pri.	0.0	1.2	0.7	0.7	0.2	
SPATIAL LOCATION:	Middle site	SPECIFIC						
TOTAL NO. STORMS OVER 0.1 INCH:	10	CONDUCTIVITY (mS/cm):	0.013	0.069	0.057	0.058	0.006	
MAX. DAILY RAINFALL:	2.8 inches	DISSOLVED			0.5			
TOTAL RAINFALL (FOR PERIOD):	8.6 inches	OXYGEN (mg/L):	3.2	8.4	6.5	6.2	1.1	
	e USGS 02169570 Gills Creek station.	Discharge & Rai	nfall				0.0	
1600 1200							0.0	
98 800							0.5 1.0 1.5	
6/2 6/4 6/6	6/8 6/10 6/12 6/14	6/16 6/18 6/20	6/22	5/24 6/26	6/28 6/30	7/2 7/4	7/6	
		Mater Terre						
100		Water Temp						
90		Water Temp	~~	····	~~~	~~~	/ ∼	
90 80 70	WY 1	N	~~	~~	~~/	•••	/	
# 90 80	6/8 6/10 6/12 6/14	Water Temp	0 6/22	6/24 6/26	6/28 6/30	7/2 7/4	7/6	
90 80 70 6/2 6/4 6/6	6/8 6/10 6/12 6/14	N	0 6/22	6/24 6/26	6/28 6/30	7/2 7/4	7/6	
90 80 70 6/2 6/4 6/6	6/8 6/10 6/12 6/14	6/16 6/18 6/2 Turbidity	0 6/22	6/24 6/26	6/28 6/30	7/2 7/4	7/6	
B 300 6/2 6/4 6/6	6/8 6/10 6/12 6/14	6/16 6/18 6/2 Turbidity	0 6/22	6/24 6/26	6/28 6/30	7/2 7/4	7/6	
90 80 70 6/2 6/4 6/6	6/8 6/10 6/12 6/14	6/16 6/18 6/2 Turbidity	0 6/22	6/24 6/26	6/28 6/30	7/2 7/4		
90 80 70 6/2 6/4 6/6	6/8 6/10 6/12 6/14	Turbidity 6/16 6/18 6/2						
90 80 70 6/2 6/4 6/6 300 100 6/2 6/4 6/6 SCDHEC in-stream standard: All I		Turbidity 6/16 6/18 6/2						
90 80 70 6/2 6/4 6/6 SCDHEC in-stream standard: All p	6/8 6/10 6/12 6/14	Turbidity 6/16 6/18 6/2						
90 80 70 6/2 6/4 6/6 200 0 6/2 6/4 6/6 SCDHEC in-stream standard: All I	6/8 6/10 6/12 6/14 pH values not less than 6.0 and not more t	Turbidity 6/16 6/18 6/2	20 6/22	6/24 6/26	6/28 6/30	7/2 7/4	7/6	
90 80 70 6/2 6/4 6/6 SCDHEC in-stream standard: All p 7.3 7.0 7.0 7.0 6.7 6.7 6.7 6.7 6.7 6.7	6/8 6/10 6/12 6/14	Turbidity 6/16 6/18 6/2	20 6/22				7/6	
300 70 6/2 6/4 6/6 SCDHEC in-stream standard: All properties of the standard of the stand	6/8 6/10 6/12 6/14 pH values not less than 6.0 and not more t	Turbidity 6/16 6/18 6/2	0 6/22	6/24 6/26	6/28 6/30	7/2 7/4	7/6	
90 80 70 6/2 6/4 6/6 SCDHEC in-stream standard: All properties of the standard of the st	6/8 6/10 6/12 6/14 pH values not less than 6.0 and not more t	Turbidity 6/16 6/18 6/2 Turbidity 6/16 6/18 6/2	0 6/22	6/24 6/26	6/28 6/30	7/2 7/4	7/6	
90 80 70 6/2 6/4 6/6 200 0 6/2 6/4 6/6 SCDHEC in-stream standard: All process of the standard of the standar	6/8 6/10 6/12 6/14 pH values not less than 6.0 and not more t	Turbidity 6/16 6/18 6/2 Turbidity 6/16 6/18 6/2	0 6/22	6/24 6/26	6/28 6/30	7/2 7/4	7/6	
300 70 6/2 6/4 6/6 300 100 6/2 6/4 6/6 300 6/2 6/4 6/6 300 6/2 6/4 6/6 300 6/2 6/4 6/6 6/6 6/6 6/6 6/6	6/8 6/10 6/12 6/14 pH values not less than 6.0 and not more the first term of the f	Turbidity 6/16 6/18 6/2 Turbidity 6/16 6/18 6/ Specific Condu	20 6/22 20 6/22 ctivity	6/24 6/26	6/28 6/30	7/2 7/4	7/6	
300 70 6/2 6/4 6/6 300 100 6/2 6/4 6/6 300 6/2 6/4 6/6 300 6/2 6/4 6/6 300 6/2 6/4 6/6 6/6 6/6 6/6 6/6 6/6 6/6	6/8 6/10 6/12 6/14 pH values not less than 6.0 and not more t	Turbidity 6/16 6/18 6/2 Turbidity 6/16 6/18 6/ Specific Condu	0 6/22	6/24 6/26	6/28 6/30	7/2 7/4	7/6	
300 70 6/2 6/4 6/6 SCDHEC in-stream standard: All properties of the standard: All propert	6/8 6/10 6/12 6/14 pH values not less than 6.0 and not more the first term of the f	Turbidity 6/16 6/18 6/2 Turbidity 6/16 6/18 6/ Specific Condu	20 6/22 20 6/22 ctivity	6/24 6/26	6/28 6/30	7/2 7/4	7/6	
300 70 6/2 6/4 6/6 300 100 6/2 6/4 6/6 300 6/2 6/4 6/6 300 6/2 6/4 6/6 300 6/2 6/4 6/6 300 6/2 6/4 6/6 300 6/2 6/4 6/6 6/4 6/6 6/6 6/4 6/6 6/6	6/8 6/10 6/12 6/14 pH values not less than 6.0 and not more to 6/8 6/10 6/12 6/14 6/8 6/10 6/12 6/14	Turbidity 6/16 6/18 6/2 Turbidity 6/16 6/18 6/ Specific Condu	20 6/22 20 6/22 ctivity	6/24 6/26	6/28 6/30	7/2 7/4	7/6	
300 70 6/2 6/4 6/6 SCDHEC in-stream standard: All properties of the standard of the stand	6/8 6/10 6/12 6/14 pH values not less than 6.0 and not more to 6/8 6/10 6/12 6/14 6/8 6/10 6/12 6/14	Turbidity 6/16 6/18 6/2 Turbidity 6/16 6/18 6/ Specific Condu	20 6/22 20 6/22 ctivity	6/24 6/26	6/28 6/30	7/2 7/4	7/6	

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

Gills Creek B (June 2, 2022 - July 6, 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:

	Sam	ple 1	Sample 2					
Analyte (units)	6/14,	/2022	6/29/	/2022				
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	10:54	584	12:17	14450				
Total Suspended Solids (mg/L)			12:17	171				
Total Phosphorus (mg/L)			12:17	0.16				
Total Nitrogen (mg/L)			12:17	1.36				

Sample 1 was collected during dry weather conditions and sample 2 was collected during wet weather conditions.

Notes:

Data Gaps

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

Potential Illicit Discharges and Abnormal Events:

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

Gills Creek C (June 2, 2022 - July 6, 2022)

		CONTINUOUS		SUM	MMARY STATIS	TICS	
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Gills Creek	STAGE (FT):	2.4	6.8	2.9	3.4	1.0
LOCATION:	Bluff Road bridge	TEMPERATURE (%F).	75	00	04	04	0
ADDRESS:	3009 Bluff Rd. Columbia, SC 29209	TEMPERATURE (°F):	75	86	81	81	2
COORDINATES:	33.948043, -80.9889	TURRIDITY (AITU)		400		40	
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	TURBIDITY (NTU):	6	130	8	13	14
NEIGHBORING LANDUSE:	Residential and commercial						
APPROX. DRAINAGE AREA:	64 square miles	pH:	5.8	6.4	6.3	6.3	0.1
SPATIAL LOCATION:	Most downstream site	SPECIFIC					
TOTAL NO. STORMS OVER 0.1 INCH:	11	CONDUCTIVITY (mS/cm):	0.031	0.084	0.066	0.065	0.010
MAX. DAILY RAINFALL:	2.99 inches	DISSOLVED	0.0	0.7	5.0	5.0	2 -
TOTAL RAINFALL (FOR PERIOD):	10.5 inches	OXYGEN (mg/L):	3.8	6.7	5.3	5.2	0.5
		Stage & Rainf	fall				
16 9 8 8 8 8 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8	6/8 6/10 6/12 6/14	6/16 6/18 6/20	6/22 6/2	24 6/26 6	/28 6/30	7/2 7/4	0.0 1.0 2.0 3.0 4.0
90 80 70 6/2 6/4 6/6	6/8 6/10 6/12 6/14	6/16 6/18 6/20	0 6/22 6/	24 6/26	6/28 6/30	7/2 7/4	7/6
200		Turbidity					
150 100		4		•			
50						نبب!	
6/2 6/4 6/6	5 6/8 6/10 6/12 6/	14 6/16 6/18 6/2	20 6/22 6	6/24 6/26	6/28 6/30	7/2 7/4	7/6
SCDHEC in-stream standa	ard: All pH values not less than 6.0 and not	more than 8.5 pH					
E 6.2 E 6.0		~ 1 ~	~~~	~~	+		
5.8							
6/2 6/4 6/6	6/8 6/10 6/12 6/1	4 6/16 6/18 6/2	0 6/22 6,	/24 6/26	6/28 6/30	7/2 7/4	7/6
		Specific Cond	luctivity				
0.12 0.10							
5 0.08 0.06 0.04				\		7	
0.02 6/4 6/6	6/8 6/10 6/12 6/	14 6/16 6/18 6/2	20 6/22 6	6/24 6/26	6/28 6/30	7/2 7/4	7/6
	ard: Daily average not less than 5 mg/L with			, 3,20			
12 10	a.a. Sany average not less than 5 mg/L with	Dissolve	ed Oxygen			4 mg/L (SCDHEC L	ow Standard)
10 8 8 6 8 6 8 6 8 6 8 6 8 8 8 8 8 8 8 8		4-00	~~~				
4 2							
6/2 6/4 6/6	6/8 6/10 6/12 6/	14 6/16 6/18 6/2	20 6/22 6	/24 6/26	6/28 6/30	7/2 7/4	7/6

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

Gills Creek C (June 2, 2022 - July 6, 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:

	Sam	ple 1	Samı	Sample 2		Sample 3		ple 4
Analyte (units)	6/14,	/2022	6/29/	/2022	6/29,	/2022	6/29/	/2022
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	10:41	264	12:33	5,510	13:26	11,590	14:36	10,340
Total Suspended Solids (mg/L)			12:33	77.3	13:26	68	14:36	54.5
Total Phosphorus (mg/L)			12:33	0.13	13:26	0.13	14:36	0.11
Total Nitrogen (mg/L)			12:33	1.36	13:26	1.23	14:36	1.08

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

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.