Gills Creek A (December 1, 2021 - January 4, 2022)

		CONTINUOUS	SUMMARY STATISTICS					
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDAR DEVIATIO	
STREAM NAME:	Gills Creek	STAGE (FT):	1.6	3.8	2.0	2.1	0.4	
LOCATION:	Forest Drive Bridge							
ADDRESS:	4840 Forest Drive, Columbia, SC 29206	TEMPERATURE (°F):	50	64	54	55	3	
COORDINATES:	34.019826, -80.963566	TURBIDITY (NTU):	2	205	6	8	12	
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	TOKBIBITT (IVTO).		200			12	
NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.3	7.0	6.8	6.8	0.1	
APPROX. DRAINAGE AREA:	48 square miles	ļ ,						
SPATIAL LOCATION:	Most upstream site	SPECIFIC						
TOTAL NO. STORMS OVER 0.1 INCH:	8	CONDUCTIVITY (mS/cm):	0.032	0.057	0.041	0.041	0.003	
MAX. DAILY RAINFALL:	1.5 inches	DISSOLVED						
TOTAL RAINFALL (FOR PERIOD):	5.5 inches	OXYGEN (mg/L):	8.9	11.3	10.5	10.4	0.5	
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SCDHEC in-stream star	ndard: Daily average not less than 5 mg/L w	vith a low of 4 mg/L Dissolved	1 Ovvgen			4 mg/L (SCDHEC Lo	w Standard)	
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Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

Gills Creek A (December 1, 2021 - January 4, 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		Sample 4	
Analyte (units)	12/8/2021		12/8/2021		12/8/2021			
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	8:55	14,540	10:24	4,564	11:23	2,910		
Total Suspended Solids (mg/L)	8:55	200.0	10:24	74.0	11:23	39.6		
Total Phosphorus (mg/L)	8:55	0.39	10:24	0.18	11:23	0.11		
Total Nitrogen (mg/L)	8:55	2.61	10:24	1.18	11:23	1.08		

All samples were 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:

The specific conductivity increased on December 2nd, 4th, 5th, 8th, 10th, 11th, 13th, 16th, 17th, 18th, 26th, 28th, 30th and January 1st and 2nd, which may have been the result of illicit discharges.

Gills Creek B (December 1, 2021 - January 4, 2022)

		CONTINUOUS	SUMMARY STATISTICS					
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION	
STREAM NAME:	Gills Creek	DISCHARGE (CFS):	18.6	261.0	41.2	62.7	48.1	
LOCATION:	Devine Street bridge 4716 Devine Street	TEMPERATURE (°F):	48	66	55	56	4	
ADDRESS:	Columbia, SC 29209	() ,						
COORDINATES:	33.989656, -80.97433 Fecal & Dissolved Oxygen	TURBIDITY (NTU):	4	289	10	13	16	
TMDL/IMPAIRMENT:	,,							
NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.3	6.9	6.6	6.6	0.1	
APPROX. DRAINAGE AREA:	59 square miles							
SPATIAL LOCATION:	Middle site	SPECIFIC CONDUCTIVITY	0.036	0.074	0.050	0.050	0.004	
TOTAL NO. STORMS OVER 0.1 INCH:	8	(mS/cm):						
MAX. DAILY RAINFALL:	1.6 inches	DISSOLVED	7.9	11.1	9.8	9.8	0.7	
TOTAL RAINFALL (FOR PERIOD):	5.9 inches	OXYGEN (mg/L):	7.9	11.1	9.6	9.6	0.7	
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		Turbidity						
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SCDHEC in-stream standard:	Daily average not less than 5 mg/L with a le	ow of 4 mg/L Dissolved On	xygen			4 mg/L (SCDHEC	Low Standard)	
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Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

Gills Creek B (December 1, 2021 - January 4, 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		Sample 4	
Analyte (units)	12/8,	/2021	12/8/2021		12/8/2021		12/20/2021	
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	10:08	25,990	11:03	2,628	11:56	11,590	14:43	573
Total Suspended Solids (mg/L)	10:08	237.0	11:03	164.0	11:56	113.0	14:40	13.7
Total Phosphorus (mg/L)	10:08	0.36	11:03	0.29	11:56	0.23		
Total Nitrogen (mg/L)	10:08	2.33	11:03	1.84	11:56	1.73		

All samples were 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:

The specific conductivity increased on December 2nd, 8th, 10th, 11th, 14th, 18th, 30th and January 2nd, which may have been the result of illicit discharges.

Gills Creek C (December 1, 2021 - January 4, 2022)

		CONTINUOUS	SUMMARY STATISTICS						
PARAMETER	PARAMETER DESCRIPTION WATER QUALITY PARAMETERS:		MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDAR DEVIATION		
STREAM NAME:	Gills Creek	STAGE (FT):	2.9	6.1	3.5	3.7	0.7		
LOCATION:	Bluff Road bridge						_		
ADDRESS:	3009 Bluff Rd. Columbia, SC 29209	TEMPERATURE (°F):	47	67	55	55	5		
COORDINATES:	33.948043, -80.9889								
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	TURBIDITY (NTU):	3.0	49.6	6.9	9.1	6.5		
NEIGHBORING LANDUSE:	Residential and commercial								
APPROX. DRAINAGE AREA:	64 square miles	pH:	6.2	6.5	6.4	6.4	0.1		
SPATIAL LOCATION:	Most downstream site	SPECIFIC							
TOTAL NO. STORMS OVER 0.1 INCH:	8	CONDUCTIVITY (mS/cm):	0.044	0.074	0.060	0.059	0.006		
MAX. DAILY RAINFALL:	1.5 inches	DISSOLVED							
TOTAL RAINFALL (FOR PERIOD):	6.0 inches	OXYGEN (mg/L):	6.7	10.4	8.8	8.7	0.8		
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		Turbidity							
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SCDHEC in-stream standa	ard: All pH values not less than 6.0 and not	more than 8.5 pH							
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SCDHEC in-stream standa	ard: Daily average not less than 5 mg/L wit	h a low of 4 mg/L Discolu	ed Oxygen			- 4 mg/L (SCDHEC L	ow Standard)		
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Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

Gills Creek C (December 1, 2021 - January 4, 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		Sample 4	
Analyte (units)	12/8,	/2021	12/8/2021		12/8/2021		12/8/2021	
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	8:55	878	9:59	1,590	11:05	1,366	12:08	11,590
Total Suspended Solids (mg/L)	8:55	18.6	9:59	11.2	11:05	15.3	12:08	52.8
Total Phosphorus (mg/L)	8:55	0.070	9:59	0.050	11:05	0.061	12:08	0.28
Total Nitrogen (mg/L)	8:55	0.637	9:59	0.570	11:05	0.796	12:08	1.42

	Sample 5		Sample 6		Sample 7		Sample 8	
Analyte (units)	12/20	/2021						
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	14:13	471						
Total Suspended Solids (mg/L)	14:10	8.4						
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

All samples were collected during wet weather conditions.

Gills Creek C (December 1, 2021 - January 4, 2022)

Notes:

Data Gaps

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

Potential Illicit Discharges and Abnormal Events:

The specific conductivity increased on December 8th, 10th, 11th, 16th, 19th, and January 2nd, which may be the result of an illicit discharge.