Continuous Water Quality Monitoring Periodic Report

Gills Creek A (September 16, 2021 - October 19, 2021)

				NTINUOUS	SUMMARY STATISTICS							
PARAMETER	DESCRIPTION		WATER QUALITY PARAMETERS: STAGE (FT):		MINIMUM OBSERVED	MAXII OBSEI		MEDIAN OBSERVEI		MEAN SERVED	STANDAI DEVIATIO	
STREAM NAME:	Gills Creek		STA	GE (FT):	1.6	3.	1	1.8		1.9	0.3	
LOCATION:	Forest Drive Bridg	je		IDED ATUSE (%5)	7.					70	_	
ADDRESS:	4840 Forest Drive Columbia, SC 2920		IEN	IPERATURE (°F):	70	84	1	78		78	3	
COORDINATES:	34.019826, -80.963	566	TUR	BIDITY (NTU):	3	19	5	5		6	7	
TMDL/IMPAIRMENT:	Fecal & Dissolved Ox	ygen										
NEIGHBORING LANDUSE:	Residential and comm	ercial	pH:		6.6	7.	5	6.8		6.8	0.1	
APPROX. DRAINAGE AREA:	48 square miles											
SPATIAL LOCATION:	Most upstream sit	е		CIFIC	0.004	0.0	77	0.044		044	0.000	
TOTAL NO. STORMS OVER 0.1 INCH:	6			NDUCTIVITY /cm):	0.034	0.0	//	0.044).044	0.002	
MAX. DAILY RAINFALL:	0.5 inches		DIS	SOLVED								
TOTAL RAINFALL (FOR PERIOD):	2.2 inches		OXY	GEN (mg/L):	6.8	8.	Ö	7.8		7.8	0.3	
				Stage & Rain	fall							
# 6					, ,						0.0	
Stage, #							-				0.5	
05												
85 80 75 70	~~~	\	~	Water Ten	np		~~	-~	~	~	^	
80 75	9/22 9/24 9,	/26 9/	28	~~~	10/4 10/6	10/8	10/10	10/12 1		/16 10/	/18 10/20	
80 75 70 65 9/16 9/18 9/20	9/22 9/24 9,	/26 9/	728	~~~	10/4 10/6	10/8	10/10	10/12 1		/16 10/	/18 10/20	
80 75 70 65 9/16 9/18 9/20	9/22 9/24 9,	/26 9/	728	9/30 10/2	10/4 10/6	10/8	10/10	10/12 1		/16 10/	/18 10/20	
80 75 76 9/16 9/18 9/20	9/22 9/24 9,	/26 9/	728	9/30 10/2	10/4 10/6	10/8	10/10	10/12 1		/16 10/	/18 10/20	
80 75 76 9/16 9/18 9/20			9/28	9/30 10/2	10/4 10/6	10/8	10/10		10/14 10/		/18 10/20	
80 75 75 76 9/16 9/18 9/20 P 150 150 9/16 9/18 9/20 SCDHEC in-stream stand		9/26	9/28	9/30 10/2 Turbidit 9/30 10/2	10/4 10/6 Y				10/14 10/			
80 75 75 9/16 9/18 9/20 200 150 100 9/16 9/18 9/2 SCDHEC in-stream stand 7.7 7.4	20 9/22 9/24	9/26	9/28	9/30 10/2 Turbidit 9/30 10/2	10/4 10/6 Y				10/14 10/			
9/16 9/18 9/20 P 200 150 100 9/16 9/18 9/3 CCDHEC in-stream stand 7.7 7.1 6.8	20 9/22 9/24	9/26	9/28	9/30 10/2 Turbidit 9/30 10/2	10/4 10/6 Y				10/14 10/			
80 75 76 9/16 9/18 9/20 200 150 100 9/16 9/18 9/2 SCDHEC in-stream stand.	20 9/22 9/24 ard: All pH values not less than	9/26 9	9/28 more than	9/30 10/2 Turbidit 9/30 10/2	10/4 10/6 Y			10/12	10/14 10/14 10)/16 10		
80 75 75 76 9/16 9/18 9/20 P 200 150 150 150 9/16 9/18 9/20 SCDHEC in-stream stand 7.7 7.7 7.4 7.1 6.8 6.5	20 9/22 9/24 ard: All pH values not less than	9/26 9	9/28 more than	9/30 10/2 Turbidit 9/30 10/2 18.5 pH	10/4 10/6 y 10/4 10/6	10/8	10/10	10/12	10/14 10/14 10)/16 10	/18 10/20	
80 75 76 9/16 9/18 9/20 P 200 150 150 9/16 9/18 9/20 SCDHEC in-stream stand 7.7 7.4 6.8 6.5 9/16 9/18 9/20	20 9/22 9/24 ard: All pH values not less than	9/26 9	9/28 more than	9/30 10/2 Turbidit 9/30 10/2	10/4 10/6 y 10/4 10/6	10/8	10/10	10/12	10/14 10/14 10)/16 10	/18 10/20	
200 9/16 9/18 9/20 200 150 150 9/16 9/18 9/20 200 150 9/16 9/18 9/20 200 150 9/16 9/18 9/20	20 9/22 9/24 ard: All pH values not less than	9/26 9	9/28 more than	9/30 10/2 Turbidit 9/30 10/2 18.5 pH	10/4 10/6 y 10/4 10/6	10/8	10/10	10/12	10/14 10/14 10)/16 10	/18 10/20	
200 150 100 9/16 9/18 9/20 200 150 100 9/16 9/18 9/20 50 9/16 9/18 9/20 50 9/16 9/18 9/20 50 9/16 9/18 9/20	20 9/22 9/24 ard: All pH values not less than 9/22 9/24 9	9/26 9 6.0 and not i	9/28 more than	9/30 10/2 Turbidit 9/30 10/2 18.5 pH 9/30 10/2 Specific Con	10/4 10/6 y 10/4 10/6 10/4 10/6	10/8	10/10	10/12	10/14 1	0/16 10	/18 10/20	
80 75 9/16 9/18 9/20 150 100 50 9/16 9/18 9/20 SCDHEC in-stream stand. 7.7 7.4 7.4 7.1 6.8 6.5 9/16 9/18 9/20	20 9/22 9/24 ard: All pH values not less than 9/22 9/24 9	9/26 9 6.0 and not i	9/28 more than	9/30 10/2 Turbidit 9/30 10/2 18.5 pH	10/4 10/6 y 10/4 10/6	10/8	10/10	10/12	10/14 1	0/16 10	/18 10/20	
80 75 75 76 9/16 9/18 9/20 200 150 100 9/16 9/18 9/20 SCDHEC in-stream stand 7.7 47.1 6.8 6.5 9/16 9/18 9/20 80.08 9/16 9/18 9/20 SCDHEC in-stream stand 0.08 0.04 0.02 9/16 9/18 9/20	20 9/22 9/24 ard: All pH values not less than 9/22 9/24 9	9/26 9 6.0 and not 1	9/28 more than //28	9/30 10/2 Turbidit 9/30 10/2 8.5 pH 9/30 10/2 Specific Con	10/4 10/6 y 10/4 10/6 10/4 10/6	10/8	10/10	10/12	10/14 1	0/16 10	/18 10/20	
80 75 75 76 9/16 9/18 9/20 200 150 100 9/16 9/18 9/20 8CDHEC in-stream stand 7.7 4 7.1 6.8 6.5 9/16 9/18 9/20 8CDHEC in-stream stand 0.08 0.04 0.02 9/16 9/18 9/20	20 9/22 9/24 ard: All pH values not less than 9/22 9/24 9 0 9/22 9/24	9/26 9 6.0 and not 1	9/28 more than //28	9/30 10/2 Turbidit 9/30 10/2 8.5 pH 9/30 10/2 Specific Con	10/4 10/6 10/4 10/6 10/4 10/6	10/8	10/10	10/12	10/14 1	0/16 10	/18 10/20 //18 10/20	
80 75 76 77 77 77 77 77 77 77 77 77	20 9/22 9/24 ard: All pH values not less than 9/22 9/24 9 0 9/22 9/24	9/26 9 6.0 and not 1	9/28 more than //28	9/30 10/2 Turbidit 9/30 10/2 8.5 pH 9/30 10/2 Specific Con	10/4 10/6 10/4 10/6 10/4 10/6	10/8	10/10	10/12	10/14 1	0/16 10	/18 10/20 //18 10/20	

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

Continuous Water Quality Monitoring Periodic Report

Gills Creek A (September 16, 2021 - October 19, 2021)

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	Sam	Sample 2		Sample 3		ple 4
Analyte (units)	9/21	/2021	9/21,	/2021				
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	10:35	82	12:24	194				
Total Suspended Solids (mg/L)	10:35	10.5	12:24	6				
Total Phosphorus (mg/L)	10:35	0.035	12:24	0.032				
Total Nitrogen (mg/L)	10:35	0.557	12:24	0.524				

All samples were collected during wet weather conditions.

Notes:

Data Gaps

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

Potential Illicit Discharges and Abnormal Events:

The specific conductivity increased on September 22nd and October 5th, which may have been the result of illicit discharges.

Continuous Water Quality Monitoring Periodic Report

Gills Creek B (September 16, 2021 - October 19, 2021)

		CONTINUOUS	SUMMARY STATISTICS					
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION	
STREAM NAME:	Gills Creek	DISCHARGE (CFS):	19.1	313.0	33.5	45.6	34.3	
LOCATION:	Devine Street bridge	TEMPERATURE					_	
ADDRESS:	4716 Devine Street Columbia, SC 29209	(°F):	63	84	76	76	4	
COORDINATES:	33.989656, -80.97433	TURBIDITY (NTU):	7	626	20	33	40	
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen			020			.0	
NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.1	8.7	6.5	6.5	0.1	
APPROX. DRAINAGE AREA:	59 square miles							
SPATIAL LOCATION:	Middle site	SPECIFIC CONDUCTIVITY	0.031	0.067	0.055	0.054	0.005	
TOTAL NO. STORMS OVER 0.1 INCH:	7	(mS/cm):	0.031	0.007	0.033	0.034	0.003	
MAX. DAILY RAINFALL:	1.0 inches	DISSOLVED	6.0	8.4	7.3	7.3	0.5	
TOTAL RAINFALL (FOR PERIOD):	2.8 inches	OXYGEN (mg/L):	6.0	0.4	1.3	1.3	0.0	
	e USGS 02169570 Gills Creek station.	Discharge & Rai	nfall			· · · · · · · · · · · · · · · · · · ·		
\$ 600	T						0.0 0.5 .=	
800 signature 200 signature 20							0.5 is 1.0 last 1.5 and 2.0	
9/16 9/18 9/20	9/22 9/24 9/26 9/28	9/30 10/2 10/4	10/6	10/8 10/10	10/12 10/14	10/16 10/18		
		Water Temp						
85		A A A A A	^ ^ <u>^</u>			A A		
75 70 65	40000	00000			~~~	ANA	Λ	
9/16 9/18 9/20	9/22 9/24 9/26 9/28	9/30 10/2 10/-	4 10/6	10/8 10/10	10/12 10/14	10/16 10/1	8 10/20	
800		Turbidity					`	
600 - 400 -			• .1.	3	8			
200		, a, b,	مانل المسيد. المانل المسيد المانل					
9/16 9/18 9/20	9/22 9/24 9/26 9/28	9/30 10/2 10	10/6	10/8 10/10	10/12 10/14	10/16 10/1	.8 10/20	
	pH values not less than 6.0 and not more the	nan 8.5 pH						
9.0 8.5 8.0								
8.5 8.0 7.5 7.0 6.5	~~~~		~~~		سمم	~~~	~	
9/16 9/18 9/20	9/22 9/24 9/26 9/28	9/30 10/2 10/	/4 10/6	10/8 10/10	10/12 10/14	10/16 10/2	18 10/20	
0.08		Specific Condu	ctivity					
§ 0.06 © 0.04				\\\\\				
0.02			<u> </u>					
9/16 9/18 9/20	9/22 9/24 9/26 9/28	9/30 10/2 10	/4 10/6	10/8 10/10	10/12 10/14	10/16 10/	18 10/20	
	Daily average not less than 5 mg/L with a l	ow of 4 mg/L Dissolved O	xygen			4 mg/L (SCDHEC	Low Standard)	
10 8	~~~~~	~~~~	12-12-A		~~~			
1/8m 4						<u>-</u>		
9/16 9/18 9/20	9/22 9/24 9/26 9/28	9/30 10/2 10	0/4 10/6	10/8 10/10	10/12 10/1	4 10/16 10	0/18 10/20	

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

Continuous Water Quality Monitoring Periodic Report

Gills Creek B (September 16, 2021 - October 19, 2021)

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)	9/20,	/2021	9/21/	′2021	9/21,	/2021		
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	11:53	406	10:12	610	11:54	398		
Total Suspended Solids (mg/L)	11:53	19.7	10:12	15.6	11:54	18.7		
Total Phosphorus (mg/L)			10:12	0.051	11:54	0.039		
Total Nitrogen (mg/L)			10:12	0.766	11:54	0.597		

Sample 1 was collected during dry weather conditions. Samples 2 and 3 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 parameter increased on September 17th and September 22nd, which may have been the result of illicit discharges.

Continuous Water Quality Monitoring Periodic Report

Gills Creek C (September 16, 2021 - October 19, 2021)

		CONTINUOUS	SUMMARY STATISTICS						
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION		
STREAM NAME:	Gills Creek	STAGE (FT):	2.7	5.4	3.1	3.3	0.7		
LOCATION:	Bluff Road bridge	TEMPEDATURE (%F)	64	81	75	75	2		
ADDRESS:	3009 Bluff Rd. Columbia, SC 29209	TEMPERATURE (°F):	04	01	75	75	3		
COORDINATES:	33.948043, -80.9889	TURRIDITY (NITU).	7	87	10	12	6		
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	TURBIDITY (NTU):	7	67	10	12	6		
NEIGHBORING LANDUSE:	Residential and commercial								
APPROX. DRAINAGE AREA:	64 square miles	pH:	6.1	6.6	6.5	6.4	0.1		
SPATIAL LOCATION:	Most downstream site	SPECIFIC							
TOTAL NO. STORMS OVER 0.1 INCH:	7	CONDUCTIVITY (mS/cm):	0.041	0.066	0.059	0.058	0.006		
MAX. DAILY RAINFALL:	0.96 inches	DISSOLVED							
TOTAL RAINFALL (FOR PERIOD):	3.4 inches	OXYGEN (mg/L):	5.1	7.9	6.5	6.4	0.5		
12		Stage & Rair	fall				0.0		
			1 1				0.5		
Stage, ft							1.0		
9/16 9/18 9/20	9/22 9/24 9/26 9,	/28 9/30 10/2 1	.0/4 10/6	10/8 10/10	10/12 10/14	10/16 10/18	1.3		
85 80		Water Ten	np						
80 75 70	~~~		np						
80 75 75 65 60		Water Ten				~			
80 75 70 65		Water Ten	10/4 10/6	10/8 10/10	10/12 10/14	10/16 10/16	.8 10/20		
80 70 65 60 9/16 9/18 9/20		Water Ten	10/4 10/6			10/16 10/1	8 10/20		
80 70 70 65 60 9/16 9/18 9/20		Water Ten	10/4 10/6			10/16 10/1	8 10/20		
80 9/16 9/18 9/20 100 9/16 9/18 9/20		Water Ten	10/4 10/6			10/16 10/1	8 10/20		
80 70 70 65 60 9/16 9/18 9/20	9/22 9/24 9/26 9	Water Ten	10/4 10/6						
80 9/16 9/18 9/20 9/16 9/18 9/20 100 75 50 25 0 9/16 9/18 9/20	9/22 9/24 9/26 9	Water Ten //28 9/30 10/2 Turbidity 9/28 9/30 10/2	10/4 10/6	10/8 10/10	10/12 10/14				
9/16 9/18 9/20 100 75 50 9/16 9/18 9/20	9/22 9/24 9/26 9	Water Ten //28 9/30 10/2 Turbidity 9/28 9/30 10/2	10/4 10/6	10/8 10/10	10/12 10/14				
80 9/16 9/18 9/20 9/16 9/18 9/20 100 75 50 9/16 9/18 9/20 SCDHEC in-stream standa 6.8 6.6	9/22 9/24 9/26 9	Water Ten //28 9/30 10/2 Turbidity 9/28 9/30 10/2	10/4 10/6	10/8 10/10	10/12 10/14				
9/16 9/18 9/20 100 75 50 9/16 9/18 9/20	9/22 9/24 9/26 9	Water Ten //28 9/30 10/2 Turbidity 9/28 9/30 10/2	10/4 10/6	10/8 10/10	10/12 10/14				
9/16 9/18 9/20 9/16 9/18 9/20 100 75 50 9/16 9/18 9/2 SCDHEC in-stream standa 6.6 6.6 6.4 6.2	9/22 9/24 9/26 9 20 9/22 9/24 9/26 ard: All pH values not less than 6.0 and not	Water Ten //28 9/30 10/2 Turbidity 9/28 9/30 10/2	10/4 10/6	10/8 10/10	10/12 10/14	1 10/16 10/	18 10/20		
80 9/16 9/18 9/20 P	9/22 9/24 9/26 9 20 9/22 9/24 9/26 ard: All pH values not less than 6.0 and not	Water Ten //28 9/30 10/2 Turbidity 9/28 9/30 10/2 more than 8.5 pH //28 9/30 10/2	10/4 10/6	10/8 10/10	10/12 10/14	1 10/16 10/	18 10/20		
80 9/16 9/18 9/20 P	9/22 9/24 9/26 9 20 9/22 9/24 9/26 ard: All pH values not less than 6.0 and not	Water Ten //28 9/30 10/2 Turbidity 9/28 9/30 10/2 more than 8.5 pH	10/4 10/6	10/8 10/10	10/12 10/14	1 10/16 10/	18 10/20		
80 9/16 9/18 9/20 9/16 9/18 9/20 100 75 50 9/16 9/18 9/20 8CDHEC in-stream standa 6.8 6.8 6.4 6.2 6.0 9/16 9/18 9/20	9/22 9/24 9/26 9 20 9/22 9/24 9/26 ard: All pH values not less than 6.0 and not	Water Ten //28 9/30 10/2 Turbidity 9/28 9/30 10/2 more than 8.5 pH //28 9/30 10/2	10/4 10/6	10/8 10/10	10/12 10/14	1 10/16 10/	18 10/20		
80 9/16 9/18 9/20 9/16 9/18 9/20 100 75 50 9/16 9/18 9/20 8CDHEC in-stream standa 6.8 6.6 6.6 6.6 6.6 6.7 6.9 9/16 9/18 9/20	9/22 9/24 9/26 9 20 9/22 9/24 9/26 ard: All pH values not less than 6.0 and not 9/22 9/24 9/26 9	Water Ten //28 9/30 10/2 Turbidity 9/28 9/30 10/2 more than 8.5 pH 3/28 9/30 10/2 Specific Con	10/4 10/6 10/4 10/6 10/4 10/6	10/8 10/10	10/12 10/14	1 10/16 10/	18 10/20		
9/16 9/18 9/20 100 9/16 9/18 9/20 100 75 50 9/16 9/18 9/20 SCDHEC in-stream standa 6.6 6.6 6.4 6.2 6.0 9/16 9/18 9/20 8 0.08 8 0.06 0.08 0.08 0.08	9/22 9/24 9/26 9 20 9/22 9/24 9/26 ard: All pH values not less than 6.0 and not 9/22 9/24 9/26 9	Water Ten //28 9/30 10/2 Turbidity 9/28 9/30 10/2 more than 8.5 pH //28 9/30 10/2	10/4 10/6	10/8 10/10	10/12 10/14	1 10/16 10/	18 10/20		
9/16 9/18 9/20 9/16 9/18 9/20 100 75 60 9/16 9/18 9/20 SCDHEC in-stream standa 6.8 6.4 6.2 6.0 9/16 9/18 9/20 SCDHEC in-stream standa 0.08 0.08 0.04 0.02 9/16 9/18 9/20	9/22 9/24 9/26 9 20 9/22 9/24 9/26 ard: All pH values not less than 6.0 and not 9/22 9/24 9/26 9	Water Ten //28 9/30 10/2 Turbidity 9/28 9/30 10/2 more than 8.5 pH //28 9/30 10/2 Specific Con 9/28 9/30 10/2	10/4 10/6 10/4 10/6 10/4 10/6	10/8 10/10	10/12 10/14 10/12 10/14 10/12 10/14	1 10/16 10/	18 10/20 18 10/20		
80 9/16 9/18 9/20 100 9/16 9/18 9/20 100 100 9/16 9/18 9/20	9/22 9/24 9/26 9 ard: All pH values not less than 6.0 and not 9/22 9/24 9/26 9/22 9/24 9/26	Water Ten //28 9/30 10/2 Turbidity 9/28 9/30 10/2 more than 8.5 pH //28 9/30 10/2 Specific Con 9/28 9/30 10/2	10/4 10/6 10/4 10/6	10/8 10/10	10/12 10/14 10/12 10/14 10/12 10/14	1 10/16 10/ 1 10/16 10/ 4 10/16 10,	18 10/20 18 10/20		
9/16 9/18 9/20 100 75 70 9/16 9/18 9/20 SCDHEC in-stream standa 6.8 6.6 6.4 6.2 6.0 9/16 9/18 9/20 SCDHEC in-stream standa 10 SCDHEC in-stream standa 10	9/22 9/24 9/26 9 ard: All pH values not less than 6.0 and not 9/22 9/24 9/26 9/22 9/24 9/26	Water Ten //28 9/30 10/2 Turbidity 9/28 9/30 10/2 more than 8.5 pH //28 9/30 10/2 Specific Con 9/28 9/30 10/2	10/4 10/6 10/4 10/6	10/8 10/10	10/12 10/14 10/12 10/14 10/12 10/14	1 10/16 10/ 1 10/16 10/ 4 10/16 10,	18 10/20 18 10/20		

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

Continuous Water Quality Monitoring Periodic Report

Gills Creek C (September 16, 2021 - October 19, 2021)

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)	9/20,	/2021	9/21/	/2021	9/21,	/2021	9/21,	/2021
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	12:13	82	9:45	150	11:45	172	13:15	126
Total Suspended Solids (mg/L)	12:13	10.7	9:45	11	11:45	7.5	13:15	7.4
Total Phosphorus (mg/L)			9:45	0.053	11:45	0.046	13:15	0.047
Total Nitrogen (mg/L)			9:45	0.663	11:45	0.706	13:15	0.751

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:

The specific conductivity increased on September 22nd, which may have the result of an illicit discharge.