Gills Creek Monitoring Sites

Monitoring Data Summary for August 29th, 2019 – October 2nd, 2019

Data Gaps

- The GILA and GILB stations did not have any interruptions in the data during this monitoring period.
- The GILC station experienced turbidity sensor fouling from September 12th-14th. This period of turbidity data was removed from the dataset.

SCDHEC Standards

- The GILA and GILB stations recorded minimum pH values of 5.9 which is slightly below the acceptable SCDHEC range of 6 to 8.5.
- The GILC station did not record a pH reading outside of the acceptable SCDHEC range of 6 to 8.5.
- The GILA station recorded an average DO value of 6.5 mg/L, the GILB station recorded an average DO value of 4.5 mg/L, and the GILC station recorded an average DO value of 5.3 mg/L. GILA and GILB are above the SCDHEC daily average DO standard of 5 mg/L, while GILB is below this standard.
- During this deployment period, the GILA, GILB, and GILC stations recorded minimum DO levels of 4.5 mg/L, 1.1 mg/L, and 4.1 mg/L, respectively. GILA and GILC did not record any DO values below the SCDHEC instantaneous minimum standard of 4 mg/L. GILB recorded DO values below this standard. These low values at GILB were likely due to a combination of warm temperatures and low to stagnant flow in the creek during this monitoring period.

Storm Events

- The GILA station recorded 2 storm events resulting in approximately 1.7 inches of rainfall. The GILB station recorded 4 storms that resulted in approximately 1.6 inches of rainfall. The GILC station recorded 3 storms that resulted in approximately 2.0 inches of rainfall.
- The monitored water quality parameters in the Gills Creek watershed all displayed typical storm event response patterns during the recorded storm events.
- The maximum antecedent dry time since the last significant precipitation event (at least 0.1 inches) was approximately 26.5 days at the GILA station, occurring after the September 5th storm event until the end of the monitoring period.
- The maximum antecedent dry time since the last significant precipitation event (at least 0.1 inches) at the GILB station was approximately 17.1 days and approximately 25.3 days at the GILC station, both occurring prior to the September 30th storm event.

Potential Illicit Discharges and Abnormal Events

- At the GILA station, slightly elevated specific conductivity was observed for a brief period on September 3rd. This could have been associated with a potential illicit discharge activity. No other monitored water quality parameters were impacted at this time.
- At the GILA station, specific conductivity decreased from September 15th-16th following the typical response pattern to a storm event; however, there was no storm event at this time.

Flow Measurements

• No flow measurements were taken in Gills Creek during this monitoring period.

Notes

• The GILB CS451 pressure transducer was not recording continuous readings during this deployment period, so the CS451 stage data for this deployment period was deleted. For the periodic report, the discharge data from the USGS 02169570 Gills Creek station was used instead of the CS451 stage data. This USGS station is located directly downstream of the GILB monitoring station.





Gills Creek A (August 29, 2019 -- October 2, 2019)

DADAMETER	DE005:27:5::	CONTIN		SUMMARY STATISTICS				
PARAMETER			WATER QUALITY PARAMETERS: MINIMUM OBSERVED		MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARE DEVIATION
STREAM NAME:	Gills Creek	STAGE	(FT):	1.7	3.5	1.9	1.9	0.2
LOCATION:	Forest Drive Bridge	ТЕМРЕ	RATURE					
ADDRESS:	4840 Forest Drive, Columbia, SC 29206	(°F):		75	89	82	82	3
COORDINATES:	34.019826, -80.963566	TURRU	DITY (NTU):	2	1335	4	7	31
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	TOKBIL	лтт (кто).	2	1333	4	,	31
NEIGHBORING LANDUSE:	Residential and commercial			5.9	7.1	6.5	6.5	0.2
APPROX. DRAINAGE AREA:	48 square miles	pH:		5.9	7.1	6.5	6.5	0.2
SPATIAL LOCATION:	Most upstream site	SPECIF	ic.					
TOTAL NO. STORMS OVER 0.1 INCH:	2	CONDU (mS/cm	ICTIVITY i):	0.025	0.075	0.053	0.052	0.003
MAX. DAILY RAINFALL:	1.5 inches	DISSOL	VED					0.8
TOTAL RAINFALL (FOR PERIOD):	1.7 inches		N (mg/L):	4.5	8.7	6.5	6.5	
			Stage & Rai	infall				
# 5 4 4 4 5 8 8 3 1 9/2 8/31 9/2	9/4 9/6 9/8	9/10 9/12	9/14	9/16 9/18	9/20 9/22	9/24 9/26	9/28 9/30	0.0 0.5 1.0 1.5 2.0 2.5
			Water Te	emp				
90								
80	$\sim\sim\sim$	/~~	~~	~~~	ww	~~	~~~	√ ~
8/29 8/31 9/2	9/4 9/6 9/8	9/10 9/12	9/14	9/16 9/18	9/20 9/22	9/24 9/26	5 9/28 9/	30 10/2
300 -			Turbidi	ity				
300								
P 200								
0 8 8/31 9/	/2 9/4 9/6 9/8	9/10 9/3	12 9/14	9/16 9/18	9/20 9/22	9/24 9/2	6 9/28 9,	/30 10/2
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± 6.5	MALAN		~~~				^^~	
6.0								
8/29 8/31 9/2	9/4 9/6 9/8	9/10 9/12	9/14	9/16 9/18	9/20 9/22	9/24 9/2	6 9/28 9	/30 10/2
0.08			Specific Co	nductivity				
8 0.06 6 0.04								
§ 004				7				-
							J	
0.02 8/29 8/31 9/2	2 9/4 9/6 9/8	9/10 9/1	2 9/14	9/16 9/18	9/20 9/22	9/24 9/2	6 9/28 9	/30 10/2

9/10

8/29

9/16

Gills Creek A (August 29, 2019 -- October 2, 2019)

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	ple 2	Sam	ple 3	Sam	ple 4
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:





Gills Creek B (August 29, 2019 -- October 2, 2019)

	DEGODISTICAL	CONTINUOUS	,	SUMMARY STATISTICS					
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARI DEVIATION		
STREAM NAME:	Gills Creek	DISCHARGE (CF		109.0	16.4	17.3	6.2		
LOCATION:	Devine Street bridge	TEMPERATURE							
ADDRESS:	4716 Devine Street Columbia, SC 29209	(°F):	74	88	82	82	3		
COORDINATES:	33.989656, -80.97433								
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	TURBIDITY (NTU): 4	1190	12	27	68		
NEIGHBORING LANDUSE:	Residential and commercial	1							
APPROX. DRAINAGE AREA:	59 square miles	pH:	5.9	6.5	6.0	6.1	0.1		
SPATIAL LOCATION:	Middle site	SPECIFIC							
TOTAL NO. STORMS OVER 0.1 INCH:	4	CONDUCTIVITY (mS/cm):	0.038	0.075	0.062	0.062	0.004		
MAX. DAILY RAINFALL:	0.8 inches	DISSOLVED	1.1	6.8	4.0	4.0			
TOTAL RAINFALL (FOR PERIOD):	1.6 inches	OXYGEN (mg/L):	1.1	0.0	4.0	4.0	1.1		
This discharge data is from	n the USGS 02169570 Gills Creek station	n. Stage 8	& Rainfall						
200							0.0		
\$150 \$100 \$250 \$350 \$350 \$350 \$350 \$350 \$350 \$350 \$3							0.0 0.5 1.0 1.5 2.0		
0							2.0		
8/29 8/31 9/2	9/4 9/6 9/8	9/10 9/12 9/14	9/16 9/18	9/20 9/22	9/24 9/26	9/28 9/30	10/2		
80 75 70 8/29 8/31 9/2	9/4 9/6 9/8	9/10 9/12 9/14	9/16 9/18	9/20 9/22	9/24 9/26	9/28 9/3	10/2		
						3,20 3,0	0 10/2		
1200		Tu	rbidity			3,20 3,0	. 10/2		
1200 1000 800		Tu	rbidity			3,20	10/2		
1200 1000 800 800 400		Tu	rbidity		1	3,20	10/2		
1200 1000 800 400 200 8/29 8/31 9/	2 9/4 9/6 9/8	9/10 9/12 9/14		9/20 9/22	9/24 9/26		<u>, , , , , , , , , , , , , , , , , , , </u>		
	2 9/4 9/6 9/8	9/10 9/12 9/14	9/16 9/18	9/20 9/22	9/24 9/26		, , , , , , , , , , , , , , , , , , ,		
8/29 8/31 9/ 6.6 6.4	2 9/4 9/6 9/8	9/10 9/12 9/14		9/20 9/22	9/24 9/26		<u> </u>		
8/29 8/31 9/ 6.6 6.4 6.2	2 9/4 9/6 9/8	9/10 9/12 9/14	9/16 9/18	9/20 9/22	9/24 9/26		, , , , , , , , , , , , , , , , , , ,		
8/29 8/31 9/ 6.6 6.4 6.2 6.0 5.8		9/10 9/12 9/14	9/16 9/18 pH			9/28 9/3	30 10/2		
8/29 8/31 9/ 6.6 6.4 5.2 6.0	2 9/4 9/6 9/8	9/10 9/12 9/14	9/16 9/18	9/20 9/22	9/24 9/26	9/28 9/3	30 10/2		
8/29 8/31 9/ 6.6 6.4 6.2 6.0 5.8 8/29 8/31 9/2		9/10 9/12 9/14	9/16 9/18 pH			9/28 9/3	30 10/2		
8/29 8/31 9/ 6.6 6.4 6.2 6.0 5.8 8/29 8/31 9/2		9/10 9/12 9/14	9/16 9/18 pH 9/16 9/18			9/28 9/3	30 10/2		
8/29 8/31 9/ 6.6 6.4 6.2 6.0 5.8 8/29 8/31 9/2		9/10 9/12 9/14	9/16 9/18 pH 9/16 9/18			9/28 9/3	30 10/2		
8/29 8/31 9/ 6.6 6.6 6.2 6.0 5.8 8/29 8/31 9/2 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	9/4 9/6 9/8	9/10 9/12 9/14 9/10 9/12 9/14 Specif	9/16 9/18 pH 9/16 9/18 ic Conductivity	9/20 9/22	9/24 9/26	9/28 9/3	30 10/2		
8/29 8/31 9/ 6.6 6.4 6.2 6.0 5.8 8/29 8/31 9/2 0.09 0.07 0.05	9/4 9/6 9/8	9/10 9/12 9/14	9/16 9/18 pH 9/16 9/18 ic Conductivity			9/28 9/3	30 10/2		
8/29 8/31 9/ 6.6 6.6 6.7 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	9/4 9/6 9/8	9/10 9/12 9/14 9/10 9/12 9/14 Specif	9/16 9/18 pH 9/16 9/18 iic Conductivity 9/16 9/18	9/20 9/22	9/24 9/26	9/28 9/3	30 10/2		
8/29 8/31 9/ 6.6 6.6 6.2 6.0 6.0 5.8 8/29 8/31 9/2 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	9/4 9/6 9/8	9/10 9/12 9/14 9/10 9/12 9/14 Specif	9/16 9/18 pH 9/16 9/18 ic Conductivity	9/20 9/22	9/24 9/26	9/28 9/3	30 10/2		
8/29 8/31 9/ 6.6 6.4 6.2 6.0 6.0 5.8 8/29 8/31 9/2 0.09 0.07 0.03 8/29 8/31 9/2	9/4 9/6 9/8	9/10 9/12 9/14 9/10 9/12 9/14 Specif	9/16 9/18 pH 9/16 9/18 iic Conductivity 9/16 9/18	9/20 9/22	9/24 9/26	9/28 9/3	30 10/2		

Gills Creek B (August 29, 2019 -- October 2, 2019)

Explanation of Statistics:

MINIMUM OBSERVED	The minimum of the values recorded by the datasonde in 15 minute intervals.
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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		Sample 3		Sample 4	
Analyte (units)	9/20,	/2019						
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	9:44	196						
Total Suspended Solids (mg/L)	9:44	10.8						
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

Notes: This sample was collected during dry weather conditions.





Gills Creek C (August 29, 2019 -- October 2, 2019)

PARAMETERS: COSENVED COSENV			CONTINUOUS	SUMMARY STATISTICS					
TEMPERATURE 71	PARAMETER	DESCRIPTION						STANDARI DEVIATION	
DDRESS:	STREAM NAME:	Gills Creek	STAGE (FT):	2.6	3.9	2.8	2.8	0.2	
DORESS: Coloration SC 220209 OORDINATES: 33.9460/3-80.9899 BICHARDRING Residential and commercial pPROX DRAINAGE Residential and commercial pPROX DRAINAGE Residential and commercial pPROX DRAINAGE REA: 64 square miles PATIAL LOCATION: Most downstream site OTAL NO.STORMS 3 USECIFIC CONDUCTIVITY (NSCI): 0.049 0.084 0.074 0.074 0.005 VER 0.1 INCH: 3 0.94 inches OTAL NO.STORMS 0.05 inches	LOCATION:		TEMPERATURE	71	92	70	70	2	
TURBIDITY (NTU): 2 55 4 5 6	ADDRESS:		(°F):	/ 1	65	79	79	3	
MOLIMPAIRMENT: Focal & Dissolved Oxygen EleHeDRING Residential and commercial PPROX. DRAINAGE REA: Read Residential and commercial PPROX. DRAINAGE REA: Residential and commercial PPROX. DRAINAGE Residential and commercial PPROX. DRAINAGE REA: Residential and commercial PPROX. DRAINAGE	COORDINATES:	33.948043, -80.9889	TURBIDITY (NTU):	2	55	4	5	6	
ANDUSE: Reachermate and commercial PPROX. DRIANAGE REA: B4 square miles Reachermate and commercial PPROX. DRIANAGE REA: B4 square miles Reachermate Re	TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	TOKBIBITT (NTO).	-	33	7	J	Ü	
PROX. IDAINAGE REA: PATIAL LOCATION: Most downstream site OTAL No. STORMS VER 0.1 INCH: 3 DISSOLVED OXYGEN (mg/L): 4.1 6.3 5.3 5.3 0.4 DISSOLVED OXYGEN (mg/L): 8 Stage & Rainfall Water Temp Turkidity PATIAL DOWNSTRY Water Temp Turkidity PATIAL COCKNOWN Water Temp Turkidity PATIAL COCKNOWN Stage & Rainfall Turkidity Specific Conductivity Specific Conductivity DISSOLVED OXYGEN (mg/L): A 1, 6,3 5,3 5,3 0,4 DISSOLVED OXYGEN (mg/L): A 1, 6,3 5,3 5,3 0,4 DISSOLVED OXYGEN (mg/L): A 1, 6,3 5,3 5,3 0,4 DISSOLVED OXYGEN (mg/L): A 1, 6,3 5,3 5,3 0,4 DISSOLVED OXYGEN (mg/L): A 1, 6,3 5,3 5,3 0,4 DISSOLVED OXYGEN (mg/L): A 1, 6,3 5,3 5,3 0,4 DISSOLVED OXYGEN (mg/L): A 1, 6,3 5,3 5,3 0,4 DISSOLVED OXYGEN (mg/L): A 1, 6,3 5,3 5,3 0,4 DISSOLVED OXYGEN (mg/L): A 1, 6,3 5,3 5,3 0,4 DISSOLVED OXYGEN (mg/L): A 1, 6,3 5,3 5,3 0,4 DISSOLVED OXYGEN (mg/L): A 1, 6,3 5,3 5,3 0,4 DISSOLVED OXYGEN (mg/L): A 1, 6,3 5,3 5,3 0,4 DISSOLVED OXYGEN (mg/L): A 1, 6,3 5,3 5,3 0,4 DISSOLVED OXYGEN (mg/L): A 1, 6,3 DISSOLVED OXYGEN (mg/L): A 1, 1 B 3, 20 DISSOLVED OXYGEN (mg/L): A 1, 1 B 3, 20 DISSOLVED OXYGEN (mg/L): A 1, 1 B 3, 20 DISSOLVED OXYGEN (mg/L): A 1, 1 B 3, 20 DISSOLVED OXYGEN (mg/L): A 1, 1 DIS	LANDUSE:	Residential and commercial	nH·	6.0	6.5	6.4	63	0.1	
OTAL ROISTORMS VER 0.1 INICH: 3 CONDUCTIVITY (mSicm): DISSOLVED OXYGEN (mg/L): 4.1 6.3 5.3 5.3 0.4 DISSOLVED OXYGEN (mg/L): DISSOLVED OXYGEN (mg/L): DISSOLVED OXYGEN (mg/L): DISSOLVED OXYGEN (mg/L): 4.1 6.3 5.3 5.3 0.4 DISSOLVED OXYGEN (mg/L): DISSOLVED	APPROX. DRAINAGE AREA:	64 square miles	pri.	0.0	0.5	0.4	0.5	0.1	
Oracle Construction Constructi	SPATIAL LOCATION:	Most downstream site	SPECIFIC						
OTAL RAINFALL (FOR 2.0 inches	TOTAL NO. STORMS OVER 0.1 INCH:	3		0.049	0.084	0.074	0.074	0.005	
Stage & Rainfall Stage & Rainfall	MAX. DAILY RAINFALL:	0.94 inches	DISSOLVED		6.0	F 0	F 0	0.4	
Stage & Reinfall Value Temp Turbidity Turbidi	TOTAL RAINFALL (FOR PERIOD):	2.0 inches	OXYGEN (mg/L):	4.1	6.3	5.3	5.3	0.4	
Water Temp 100 100 100 100 100 100 100 1	•		Stage & Rai	nfall	-	-	-	-	
8/29 8/31 9/2 9/4 9/6 9/8 9/10 9/12 9/14 9/16 9/18 9/20 9/22 9/24 9/26 9/28 9/30 10/2 Water Temp **Turbidity** **PH** **Specific Conductivity** **Speci			1					0.0	
8/29 8/31 9/2 9/4 9/6 9/8 9/10 9/12 9/14 9/16 9/18 9/20 9/22 9/24 9/26 9/28 9/30 10/2 Water Temp **Turbidity** **PH** **Specific Conductivity** **Speci	à 4							1.0	
Water Temp 100 90 87 8/29 8/31 9/2 9/4 9/6 9/8 9/10 9/12 9/14 9/16 9/18 9/20 9/22 9/24 9/26 9/28 9/30 10/2 Turbidity PH 6/8 8/29 8/31 9/2 9/4 9/6 9/8 9/10 9/12 9/14 9/16 9/18 9/20 9/22 9/24 9/26 9/28 9/30 10/2 Specific Conductivity 100 100 100 100 100 100 100 1	2							1.5	
80 70 8/29 8/31 9/2 9/4 9/6 9/8 9/10 9/12 9/14 9/16 9/18 9/20 9/22 9/24 9/26 9/28 9/30 10/2 Turbidity PH 6/8 6/8 6/4 6/4 6/4 6/4 6/8 8/29 8/31 9/2 9/4 9/6 9/8 9/10 9/12 9/14 9/16 9/18 9/20 9/22 9/24 9/26 9/28 9/30 10/2 Specific Conductivity Specific Conductivity Specific Conductivity Specific Conductivity Spec			Water Tei	mp					
70 8/29 8/31 9/2 9/4 9/6 9/8 9/10 9/12 9/14 9/16 9/18 9/20 9/22 9/24 9/26 9/28 9/30 10/2 100 Turbidity 9H 6.8 6.6 6.4 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.2			~~~						
Turbidity 100	70				~~~	~~			
1075	8/29 8/31 9/2	9/4 9/6 9/8 9	9/10 9/12 9/14	9/16 9/18	9/20 9/22	9/24 9/26	9/28 9/3	30 10/2	
PH			Turbidit	у					
8/29 8/31 9/2 9/4 9/6 9/8 9/10 9/12 9/14 9/16 9/18 9/20 9/22 9/24 9/26 9/28 9/30 10/2 pH Specific Conductivity	F 50								
PH 6.8 6.6 6.4 6.4 6.5 6.7 6.8 6.7 6.8 6.8 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9	25		· · · · · · · · · · · · · · · · · · ·					1	
6.6 6.6 6.6 6.7 6.8 6.8 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9	8/29 8/31 9/	2 9/4 9/6 9/8	9/10 9/12 9/14	9/16 9/18	9/20 9/22	9/24 9/26	5 9/28 9/	30 10/2	
6.6 6.4 6.2 6.0 6.0 8.8 8/29 8/31 9/2 9/4 9/6 9/8 9/10 9/12 9/14 9/16 9/18 9/20 9/22 9/24 9/26 9/28 9/30 10/2 Specific Conductivity Specific Conductivity Specific Conductivity Sp	6.8		рН						
Specific Conductivity Specific Conductivity O.09 O.08 O.07 O.04 O.08 S/29 8/31 9/2 9/4 9/6 9/8 9/10 9/12 9/14 9/16 9/18 9/20 9/22 9/24 9/26 9/28 9/30 10/2 Specific Conductivity O.09 O.06 O.05 O.04 O.07 O.04 S/29 8/31 9/2 9/4 9/6 9/8 9/10 9/12 9/14 9/16 9/18 9/20 9/22 9/24 9/26 9/28 9/30 10/2 SCDHEC in-stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L Dissolved Oxygen 4 mg/L (SCDHEC Low Standard)	6.6				~~~		~~~		
8/29 8/31 9/2 9/4 9/6 9/8 9/10 9/12 9/14 9/16 9/18 9/20 9/22 9/24 9/26 9/28 9/30 10/2 Specific Conductivity 0.09 0.08 0.07 0.06 0.05 0.04 8/29 8/31 9/2 9/4 9/6 9/8 9/10 9/12 9/14 9/16 9/18 9/20 9/22 9/24 9/26 9/28 9/30 10/2 SCDHEC in-stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L Dissolved Oxygen 4 mg/L (SCDHEC Low Standard)	6.0								
0.09 0.08 0.07 0.06 0.05 0.04 8/29 8/31 9/2 9/4 9/6 9/8 9/10 9/12 9/14 9/16 9/18 9/20 9/22 9/24 9/26 9/28 9/30 10/2 SCDHEC in-stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L Dissolved Oxygen 4 mg/L (SCDHEC Low Standard)		9/4 9/6 9/8	9/10 9/12 9/14	9/16 9/18	9/20 9/22	9/24 9/26	5 9/28 9,	30 10/2	
0.08 0.07 0.06 0.05 0.04 8/29 8/31 9/2 9/4 9/6 9/8 9/10 9/12 9/14 9/16 9/18 9/20 9/22 9/24 9/26 9/28 9/30 10/2 SCDHEC in-stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L SCDHEC in-stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L Olissolved Oxygen 4 mg/L (SCDHEC Low Standard)	0.09		Specific Cor	nductivity					
8/29 8/31 9/2 9/4 9/6 9/8 9/10 9/12 9/14 9/16 9/18 9/20 9/22 9/24 9/26 9/28 9/30 10/2 SCDHEC in-stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L Dissolved Oxygen 4 mg/L (SCDHEC Low Standard)	000							7	
8/29 8/31 9/2 9/4 9/6 9/8 9/10 9/12 9/14 9/16 9/18 9/20 9/22 9/24 9/26 9/28 9/30 10/2 SCDHEC in-stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L Dissolved Oxygen 4 mg/L (SCDHEC Low Standard)	0.03								
		2 9/4 9/6 9/8	9/10 9/12 9/14	9/16 9/18	9/20 9/22	9/24 9/2	6 9/28 9	/30 10/2	
	SCOHEC in stream star	ndard: Daily average not less than E mg/l .	with a low of 4 mg/l	ved Oxygen			4 mg/L/SCDHECLO	v Standard\	
3	7	Today average not less than 3 mg/L	Dissoi	тей Олубен			g/ E (SCDITEC LOV	- Standard)	
3 +	86 5 E 4			~~~~			***	~~	
	3	9/4 9/6 9/8	9/10 9/12 9/14	9/16 9/18	9/20 9/22	9/24 9/26	6 9/28 9/	30 10/2	

Gills Creek C (August 29, 2019 -- October 2, 2019)

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	Sample 1		Sample 2		Sample 3		ple 4
Analyte (units)	9/20/2019				_			
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	9:14	20						
Total Suspended Solids (mg/L)	9:14	3.6						
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

Notes: This sample was collected during dry weather conditions.