Gills Creek Monitoring Sites Monitoring Data Summary for December 6th, 2018 – January 8th, 2019

Data Gaps

- The GILA station experienced a brief period of fouling turbidity from January 2nd 4th, which cleared up after a field visit when the sonde was dunked. This period of data was removed from the dataset.
- The GILB station experienced turbidity fouling beginning on January 6th. The sonde was pulled on January 8th for monthly calibrations, so the fouling turbidity data from January 6th to harvest was removed from the dataset.
- The GILC station experienced a brief period of turbidity fouling on December 10th, which cleared up after a field visit when the sonde was dunked. This period of data was removed from the dataset.

SCDHEC Standards

- None of the Gills Creek stations recorded a pH reading outside of the acceptable SCDHEC range of 6 to 8.5.
- The GILA station recorded an average DO value of 10.9 mg/L, the GILB station recorded an average DO value of 10.4 mg/L, and the GILC station recorded an average DO value of 9.2 mg/L which are all above the SCDHEC daily average DO standard of 5 mg/L.
- During this deployment period, the GILA, GILB, and GILC stations recorded minimum DO levels of 9.8 mg/L, 9 mg/L, and 7.7 mg/L, respectively. None of the Gills Creek stations recorded any DO values below the SCDHEC instantaneous minimum standard of 4.0 mg/L.

Storm Events

- The GILA station recorded 10 storm events resulting in approximately 7.3 inches of rainfall. The GILB station recorded 9 storms that resulted in approximately 6.7 inches of rainfall. The GILC station recorded 6 storms that resulted in approximately 6.6 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 7.1 days at the GILA station, occurring prior to the storm event on December 27th, and 7.3 days at both the GILB and GILC stations, occurring prior to the storm event on December 28th.

Potential Illicit Discharges and Abnormal Events

- Activity at Forest Lake caused notable decreases in stage at the GILA station several times during this
 monitoring period (observed on January 11th, 16th, and 21st). These activities resulted in an increase pH, specific
 conductivity, and turbidity levels and a decrease in DO.
- At the GILB station, abnormally high specific conductivity was observed on January 12th, which is likely from the Forest Lake activity that occurred on January 11th.

Flow Measurements

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





---- 4 mg/L (SCDHEC Low Standard)

Gills Creek A (December 6, 2018 -- January 8, 2019)

		CONTINUOUS	SUMMARY STATISTICS					
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARI DEVIATION	
STREAM NAME:	Gills Creek	STAGE (FT):	2.2	6.0	3.0	3.1	0.5	
LOCATION:	Forest Drive Bridge	TEMPERATURE						
ADDRESS:	4840 Forest Drive, Columbia, SC 29206	(°F):	46	60	51	52	4	
COORDINATES:	34.019826, -80.963566	TURBIDITY (NTU):	5	140	8	12	10	
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	, ,						
NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.3	6.8	6.6	6.5	0.1	
APPROX. DRAINAGE AREA:	48 square miles	P	0.0	0.0	0.0	0.0	0.1	
SPATIAL LOCATION:	Most upstream site	SPECIFIC						
TOTAL NO. STORMS OVER 0.1 INCH:	10	CONDUCTIVITY (mS/cm):	0.041	0.08	0.050	0.050	0.003	
MAX. DAILY RAINFALL:	1.5 inches	DISSOLVED	9.8	11.9	11.0	10.9		
TOTAL RAINFALL (FOR PERIOD):	7.3 inches	OXYGEN (mg/L):	9.8	11.9	11.0	10.9	0.5	
8		Stage & Rai	nfall				0.0	
# 6 96 4 2							0.5 1.0	
12/6 12/8 12/10	12/12 12/14 12/16 12	/18 12/20 12/22 1	2/24 12/26	12/28 12/30	1/1 1/3	1/5 1/7	2.0	
0 +	12/12 12/14 12/16 12			12/28 12/30	1/1 1/3	1/5 1/7	2.0	
70	12/12 12/14 12/16 12	/18 12/20 12/22 1 Water Te		12/28 12/30	1/1 1/3	1/5 1/7	2.0	
12/6 12/8 12/10	12/12 12/14 12/16 12			12/28 12/30	1/1 1/3	1/5 1/7	2.0	
70 60		Water Te			1/1 1/3		1/9	
70 60 50 40 12/6 12/8 12/10		Water Te	mp 12/24 12/26				2.0	
70 60 12/6 12/8 12/10 200 150 150 100		Water Te	mp 12/24 12/26				1/9	
70 60 12/6 12/8 12/10		Water Te	mp 12/24 12/26	12/28 12/30			1/9	
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70 60 12/6 12/8 12/10 200 150 100 50 12/6 12/8 12/10	0 12/12 12/14 12/16 13	Water Te	mp 12/24 12/26	12/28 12/30	1/1 1/3	1/5 1,	2.0	
70 60 50 40 12/6 12/8 12/10 12/6 12/8 12/10 150 100 50 12/6 12/8 12/10	0 12/12 12/14 12/16 13	Water Te 2/18 12/20 12/22 Turbidi 12/18 12/20 12/22	mp 12/24 12/26	12/28 12/30	1/1 1/3	1/5 1,	/7 1/9	
70 60 12/6 12/8 12/10 12/6 12/8 12/10 150 100 100 100 100 100 100 1	0 12/12 12/14 12/16 13	Water Te 2/18 12/20 12/22 Turbidi 12/18 12/20 12/22	mp 12/24 12/26	12/28 12/30	1/1 1/3	1/5 1,	/7 1/9	
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70 60 12/6 12/8 12/10 70 60 12/6 12/8 12/10 12/8 12/10 12/8 12/10 12/8 12/10 12/8 12/10 12/8 12/10	0 12/12 12/14 12/16 1: //10 12/12 12/14 12/16	Water Te 2/18 12/20 12/22 Turbidi 12/18 12/20 12/22 pH	mp 12/24 12/26 ty 12/24 12/26	12/28 12/30	1/1 1/3	1/5 1, 3 1/5 1	/7 1/9 /7 1/9	
70 60 12/6 12/8 12/10 70 60 12/6 12/8 12/10 12/8	0 12/12 12/14 12/16 1: //10 12/12 12/14 12/16	Water Te 2/18 12/20 12/22	mp 12/24 12/26 ty 12/24 12/26	12/28 12/30	1/1 1/3	1/5 1, 3 1/5 1	/7 1/9 /7 1/9	
70 60 12/6 12/8 12/10 70 60 12/6 12/8 12/10 12/8	0 12/12 12/14 12/16 1: //10 12/12 12/14 12/16	Water Te 2/18 12/20 12/22	mp 12/24 12/26 ty 12/24 12/26	12/28 12/30	1/1 1/3	1/5 1, 3 1/5 1	2.0 1/9 1/7 1/9	

SCDHEC in-stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L

12/14

12/18

12/20

13 · 11 · 9 · 7 · 5 · 3

12/6

12/8

12/10

12/12

12/22

Dissolved Oxygen

12/24

12/26

12/28

Gills Creek A (December 6, 2018 -- January 8, 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:

	Sample 1		Sample 2		Sample 3		Sample 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 (December 6, 2018 -- January 8, 2019)

		CONTINUOUS	SUMMARY STATISTICS					
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION	
STREAM NAME:	Gills Creek	STAGE (FT):	3.4	7.3	4.0	4.2	0.7	
LOCATION:	Devine Street bridge	TEMPERATURE	46	60	E1	52	4	
ADDRESS:	4716 Devine Street Columbia, SC 29209	(°F):	46	60	51	52	4	
COORDINATES:	33.989656, -80.97433	TURBIDITY (NTU):	6	41	9	11	5	
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	TOKBIDITT (NTO).	O	41	9	11	3	
NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.3	6.6	6.4	6.4	0.1	
APPROX. DRAINAGE AREA:	59 square miles	pri.	0.5	0.0	0.4	0.4	0.1	
SPATIAL LOCATION:	Middle site	SPECIFIC						
TOTAL NO. STORMS OVER 0.1 INCH:	9	CONDUCTIVITY (mS/cm):	0.042	0.065	0.052	0.051	0.002	
MAX. DAILY RAINFALL:	1.4 inches	DISSOLVED	0.0	14.2	10.5	10.4	0.5	
TOTAL RAINFALL (FOR PERIOD):	6.7 inches	OXYGEN (mg/L):	9.0	11.3	10.5	10.4	0.5	
		Stage & Rair	nfall				0.00	
10 ± 8 8 6 6 7 8 7 12/6 12/8 12/10	12/12 12/14 12/16 12	12/20 12/22 1	2/24 12/26	12/28 12/30	1/1 1/3	1/5 1/7	0.25 0.50 0.75 1.00	
70		Water Te	mp					
60								
° 50								
12/6 12/8 12/10	12/12 12/14 12/16 1	2/18 12/20 12/22	12/24 12/26	12/28 12/30	1/1 1/3	1/5 1/	7 1/9	
		Turbidit	tv					
50 40 30						h.		
P 30 20 10						Mary Parks		
12/6 12/8 12/	10 12/12 12/14 12/16	12/18 12/20 12/22	12/24 12/26	12/28 12/30	1/1 1/3	1/5 1/	7 1/9	
6.8		pH						
6.6 五 6.4						m.,		
6.2								
12/6 12/8 12/10	12/12 12/14 12/16 1	2/18 12/20 12/22	12/24 12/26	12/28 12/30	1/1 1/3	1/5 1/	7 1/9	
		Specific Co	nductivity					
0.08								
8 0.06 % 0.04								
0.02								
12/6 12/8 12/1	0 12/12 12/14 12/16	12/18 12/20 12/22	12/24 12/26	12/28 12/30	1/1 1/3	1/5 1,	/7 1/9	
SCDHFC in-stream sta	ndard: Daily average not less than 5 mg/L	with a low of 4 mg/l Discolus	ed Oxygen			A !! (005:::=	Claust ! "	
13	Sun, average not less than 3 mg/L	Dissolve	Олубен			4 mg/L (SCDHE	L Low Standard)	
9 7								

12/16

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12/28

12/30

1/1

1/3

1/5

1/7

Gills Creek B (December 6, 2018 -- January 8, 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	Sample 2		Sample 3		Sample 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 C (December 6, 2018 -- January 8, 2019)

DESCRIPTION WATER QUALITY PARAMETERS: WATER QUALITY			SUMMARY STATISTICS					
LOCATION: Bluff Road bridge ADDRESS:	PARAMETER	DESCRIPTION						STANDARD DEVIATION
ADDRESS:	STREAM NAME:	Gills Creek	STAGE (FT):	4.1	9.4	6.6	6.5	1.5
ADORESS: Columbias Sc 20209 COORDINATES: 33.486434-30.38689 TMOLIMPAIRMENT: Focal & Solowlood Oxygen NeiGhtBoRING LARDUSE: Residential and commercial APPROX. DRAINAGE APPROX. DRAINAGE G4 square miles SPATIAL LOCATION: Most downstream site TOTAL NO. STORMS OVER 0.1 INCH: 6 MXX. DAILY RAINFALL: 1.44 inches TOTAL RAINFALL: 1.44 inches TO	LOCATION:		TEMPERATURE	45	60	5 1	52	4
TMDL/IMPAIRMENT: Focal & Dissolved Cryogen NEIGHBORING ARREA: Residential and commercial APPROX, DRAINAGE APPROX, DRAINAGE 64 square miles SPATIAL LOCATION: Most downstream site OVER 0.1 INCH: 6 MAX. DAILY RAINFALL: 1.44 inches DISSOLVED OXYGEN (Img/U): 7.7 10.9 9.1 9.2 0.8 PERIODI: 12/8 12/8 12/10 12/12 12/14 12/15 12/18 12/20 12/22 12/24 12/25 12/28 12/20 12/1 13/3 1/5 1/7 1/9 Waiter Temp Waiter Temp Turbidity PH: 6.2 6.5 6.3 6.3 6.3 0.1 ARRIVAL (FOR 6.6 inches) Residential and commercial ph: 6.2 6.5 6.3 6.3 0.003 Oxige 6.1 INCH: (Img/U): 7.7 10.9 9.1 9.2 0.8 PERIODI: 12/8 12/8 12/10 12/12 12/14 12/15 12/18 12/20 12/22 12/24 12/25 12/28 12/20 12/18 12/20 12/19 12/25 12/28 12/20 12/18 12/20 12/25 12/28 12/20 12/18 12/20 12/18 12/20 12/25 12/28 12/20 12/18 12/20 12/18 12/20 12/25 12/28 12/20 12/18 12/20 12/18 12/20 12/25 12/28 12/20 12/18 12/20 12/25 12/28 12/20 12/18 12/20 12/25 12/28 12/20 12/18 12/20 12/25 12/28 12/20 12/18 12/20 12/18 12/20 12/25 12/28 12/20 12/18 12/20 12/25 12/28 12/20 12/18 12/20 12/25 12/28 12/20 12/28 12/20 12/2 12/28 12/20 12/2 12/28 12/20 12/2 12/28 12/20 12/2 12/28 12/20 12/2 12/28 12/20 12/2 12/28 12/20 12/2 12/28 12/20 12/2 12/28 12/20 12/2 12/28 12/20 12/2 12/28 12/20 12/2 12/28 12/20 12/2 12/28 12/20 12/2 12/28 12/20 12/2 12/28 12/20 12/2 12/28 12/20 12/28 12/20 12/2 12/28 12/20 12/2 12/28 12/20 12/28 12/20 12/2 12/28 12/20 12/2 12/28 12/20 12/2 12/28 12/20 12/2 12/28 12/20 12/2 12/28 12/20 12/2	ADDRESS:		(°F):	45	60	51	52	4
TINDLIMPAIRMENT: Fecal & Dissolved Chygen Residential and commercial PAPROX. DRAINAGE Residential and commercial AREA: PSPATAL LOCATION: Most downstream site CONDUCTIVITY (INSCHIP). TOTAL NO. STORMS 6 CONDUCTIVITY (INSCHIP). TOTAL RAINFALL: 1.44 inches OVER 0.1 INCH: DISSOLVED OXYGEN (INSCHIP). TOTAL RAINFALL (FOR 6.6 inches Stage & Rainfall CONTO CONDUCTIVITY (INSCHIP). TOTAL RAINFALL (FOR 6.6 inches Stage & Rainfall CONTO CONDUCTIVITY (INSCHIP). TOTAL RAINFALL (FOR 6.6 inches CONDUCTIVITY (INSCHIP). TOTAL RAINFALL (FOR 6	COORDINATES:	33.948043, -80.9889	TURBIDITY (NTU):	4	37	12	14	8
Description	TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	TONE DITT (NTO):	·	0,	12		Ü
APPRIOD. BRAINAGE AREA: SPATIAL LOCATION: Most downstream site CONDUCTIVITY (mSicm): DISSOLVED OXYGEN (mg/L): 7.7 10.9 9.1 9.2 0.8 PERIOD: Siage & Rainfall 12/6 12/8 12/10 12/12 12/14 12/16 12/18 12/20 12/22 12/24 12/26 12/28 12/20 1/1 1/3 1/5 1/7 1/9 Water Temps PM Specific Conductivity OXYGEN (mg/L): Siage & Rainfall Turbidity PM Specific Conductivity	LANDUSE:	Residential and commercial	nH:	6.2	6.5	6.3	6.3	0.1
TOTAL NO. STORMS OVER 0.1 INCH: 1.44 inches DISSOLVED T.7 10.9 9.1 9.2 0.8	APPROX. DRAINAGE AREA:	64 square miles	P	0.2	0.5	0.0	0.0	0.1
TOTAL RAINFALL: 1.44 inches DISSOLVED OXYGEN (mg/L): 7.7 10.9 9.1 9.2 0.8 PERIODI: 0150LYED OXYGEN (mg/L): 7.7 10.9 9.1 9.2 0.8 PERIODI: 0150LYED OXYGEN (mg/L): 0.0 0.8 PERIODI: 0.0 0.0 0.8 PERIODI: 0.0 0.0 0.8 PERIODI: 0.0 0.8	SPATIAL LOCATION:	Most downstream site	SPECIFIC					
TOTAL RAINFALL (FOR FERIOD): 10.9 9.1 9.2 0.8	TOTAL NO. STORMS OVER 0.1 INCH:	6		0.054	0.075	0.063	0.063	0.003
Stage & Rainfall 10	MAX. DAILY RAINFALL: TOTAL RAINFALL (FOR			7.7	10.9	9.1	9.2	0.8
### Water Temp **Water Temp **PH** **G. 6.6** **Disolated In 1/8	PERIOD):	6.6 Inches	1		<u> </u>			<u> </u>
12/6 12/8 12/10 12/12 12/14 12/16 12/18 12/20 12/22 12/24 12/26 12/28 12/30 1/1 1/3 1/5 1/7 1/9 Water Temp Turbidity P 30 12/12 12/18 12/10 12/12 12/14 12/16 12/18 12/20 12/22 12/24 12/26 12/28 12/30 1/1 1/3 1/5 1/7 1/9 P 40 12/16 12/18 12/10 12/12 12/14 12/16 12/18 12/20 12/22 12/24 12/26 12/28 12/30 1/1 1/3 1/5 1/7 1/9 P 50 50 50 50 50 50 50 50 50	12	1 2 30	Stage & Rair	nfall	1111	-	-	0.0
12/6 12/8 12/10 12/12 12/14 12/16 12/18 12/20 12/22 12/24 12/26 12/28 12/30 1/1 1/3 1/5 1/7 1/9 Water Temp Turbidity P 30 12/6 12/8 12/10 12/12 12/14 12/16 12/18 12/20 12/22 12/24 12/26 12/28 12/30 1/1 1/3 1/5 1/7 1/9 P 40 12/6 12/18 12/10 12/12 12/14 12/16 12/18 12/20 12/22 12/24 12/26 12/28 12/30 1/1 1/3 1/5 1/7 1/9 P 50 50 50 50 50 50 50 50 50	10						1	0.2
12/6 12/8 12/10 12/12 12/14 12/16 12/18 12/20 12/22 12/24 12/26 12/28 12/30 1/1 1/3 1/5 1/7 1/9 Water Temp Turbidity P 30 12/6 12/8 12/10 12/12 12/14 12/16 12/18 12/20 12/22 12/24 12/26 12/28 12/30 1/1 1/3 1/5 1/7 1/9 P 40 12/6 12/18 12/10 12/12 12/14 12/16 12/18 12/20 12/22 12/24 12/26 12/28 12/30 1/1 1/3 1/5 1/7 1/9 P 50 50 50 50 50 50 50 50 50	age 6							0.6
Water Temp To be so a 12/6 12/8 12/10 12/12 12/14 12/16 12/18 12/20 12/22 12/24 12/26 12/28 12/30 1/1 1/3 1/5 1/7 1/9 Turbidity PH Specific Conductivity Sp	2 +		 					
Turbidity PH Specific Conductivity Specifi	12/6 12/8 12/10	12/12 12/14 12/16 1.	2/18 12/20 12/22 1	2/24 12/26	12/28 12/30	1/1 1/3	1/5 1//	1/9
Turbidity PH Specific Conductivity Specifi								
\$\frac{50}{40}\$ \frac{12/8}{12/8}\$ \frac{12/10}{12/12}\$ \frac{12/14}{12/16}\$ \frac{12/18}{12/10}\$ \frac{12/21}{12/14}\$ \frac{12/218}{12/10}\$ \frac{12/22}{12/24}\$ \frac{12/26}{12/28}\$ \frac{12/28}{12/20}\$ \frac{12/28}{12/20}\$ \frac{12/28}{12/20}\$ \frac{12/28}{12/20}\$ \frac{12/28}{12/20}\$ \frac{12/28}{12/28}\$ \frac{12/30}{12/28}\$ \frac{1/1}{12/30}\$ \frac{1/1}{12/3}\$ \frac{1/5}{12/3}\$ \frac{1/7}{12/3}\$ \frac{1/8}{12/20}\$ \frac{12/22}{12/24}\$ \frac{12/26}{12/28}\$ \frac{12/28}{12/30}\$ \frac{1/1}{12}\$ \frac{1/3}{12}\$ \frac{1/5}{12}\$ \frac{1/7}{12}\$ \frac{1/9}{12}\$ \frac{12/18}{12/20}\$ \frac{12/22}{12/24}\$ \frac{12/26}{12/28}\$ \frac{12/28}{12/30}\$ \frac{1/1}{12}\$ \frac{1/3}{12}\$ \frac{1/5}{12}\$ \frac{1/7}{12}\$ \frac{1/7}{12}\$ \frac{1/8}{12/20}\$ \frac{12/22}{12/24}\$ \frac{12/26}{12/28}\$ \frac{12/28}{12/30}\$ \frac{1/1}{12}\$ \frac{1/3}{12}\$ \frac{1/5}{12}\$ \frac{1/7}{12}\$ \fr	70		Water Ten	np				
40 12/6 12/8 12/10 12/12 12/14 12/16 12/18 12/20 12/22 12/24 12/26 12/28 12/30 1/1 1/3 1/5 1/7 1/9 Turbidity PH 6.6.4 6.0 6.12/6 12/8 12/10 12/12 12/14 12/16 12/18 12/20 12/22 12/24 12/26 12/28 12/30 1/1 1/3 1/5 1/7 1/9 Specific Conductivity 5 0.07 6.0.08 9 5 0.07 12/6 12/8 12/10 12/12 12/14 12/16 12/18 12/20 12/22 12/24 12/26 12/28 12/30 1/1 1/3 1/5 1/7 1/9 Specific Conductivity 5 0.07 0.05 12/6 12/8 12/10 12/12 12/14 12/16 12/18 12/20 12/22 12/24 12/26 12/28 12/30 1/1 1/3 1/5 1/7 1/9	60							
12/6 12/8 12/10 12/12 12/14 12/16 12/18 12/20 12/22 12/24 12/26 12/28 12/30 1/1 1/3 1/5 1/7 1/9 Turbidity pH 6.6 6.7 6.0 12/6 12/8 12/10 12/12 12/14 12/16 12/18 12/20 12/22 12/24 12/26 12/28 12/30 1/1 1/3 1/5 1/7 1/9 Specific Conductivity 5 0.07 0.08 0.05 12/6 12/8 12/10 12/12 12/14 12/16 12/18 12/20 12/22 12/24 12/26 12/28 12/30 1/1 1/3 1/5 1/7 1/9 Specific Conductivity 5 0.07 0.08 0.05 12/6 12/8 12/10 12/12 12/14 12/16 12/18 12/20 12/22 12/24 12/26 12/28 12/30 1/1 1/3 1/5 1/7 1/9 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)	50							
Turbidity 12/6 12/8 12/10 12/12 12/14 12/16 12/18 12/20 12/22 12/24 12/26 12/28 12/30 1/1 1/3 1/5 1/7 1/9 PH Specific Conductivity Sp	40		 					
PH 12/6 12/8 12/10 12/12 12/14 12/16 12/18 12/20 12/22 12/24 12/26 12/28 12/30 1/1 1/3 1/5 1/7 1/9 PH 5pecific Conductivity 0.08 5pecific Conductivity Specific Conductivity Specific Conductivity 11/8 12/10 12/12 12/14 12/16 12/18 12/20 12/22 12/24 12/26 12/28 12/30 1/1 1/3 1/5 1/7 1/9 SCOHEC in-stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L 11/9 12/9 12/9 12/9 12/9 12/9 12/9 12/9	12/6 12/8 12/10	12/12 12/14 12/16 1	2/18 12/20 12/22	12/24 12/26	12/28 12/30	1/1 1/3	1/5 1/	7 1/9
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	13 11 10 80 7 5 3				٠	~~~	~~	

Gills Creek C (December 6, 2018 -- January 8, 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	Sample 2		Sample 3		Sample 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: