### Gills Creek Monitoring Sites

## Monitoring Data Summary for October 30th, 2020 – December 1st, 2020

#### Data Gaps

- The GILA station experienced turbidity sensor fouling on November 30<sup>th</sup>. The DO sensor was fouled from November 23<sup>rd</sup> to November 30<sup>th</sup>. These periods of data were removed from the dataset.
- The GILB station experienced turbidity, DO, and pH sensor fouling from November 13<sup>th</sup> to November 26<sup>th</sup>. These periods of data were removed from the dataset.
- The GILC station did not experience any interruptions in the data during this monitoring period.

#### **SCDHEC Standards**

- The GILA and GILB stations did not record any pH readings outside of the acceptable SCDHEC range of 6 to 8.5. The GILC station recorded a minimum pH value of 5.9, which was below the acceptable SCDHEC range.
- The GILA station recorded an average DO value of 9.2 mg/L, the GILB station recorded an average DO value of 8.5 mg/L, and the GILC station recorded an average DO value of 7.6 mg/L, all of which were 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 8.1 mg/L, 6.8 mg/L, and 2.5 mg/L, respectively. GILA and GILB did not record any DO values below the SCDHEC instantaneous minimum standard of 4 mg/L. GILC recorded DO values below this standard. These low values at GILC were recorded during a storm event and during a potential illicit discharge activity.

#### Storm Events

- The GILA station recorded 8 storm events resulting in approximately 4.4 inches of rainfall. The GILB station recorded 8 storms that resulted in approximately 4.2 inches of rainfall. The GILC station recorded 6 storms that resulted in approximately 3.7 inches of rainfall.
- The monitored water quality parameters all displayed typical storm event response patterns during the recorded storm events in the Gills Creek watershed.

#### Potential Illicit Discharges and Abnormal Events

- At the GILA station, the specific conductivity increased several times during this deployment period. These specific conductivity spikes occurred on the following dates: November 11<sup>th</sup>, November 24<sup>th</sup> – 25<sup>th</sup>, November 28<sup>th</sup>, and November 29<sup>th</sup>.
- At the GILB station, the specific conductivity increased several times during this deployment period. These specific conductivity spikes occurred on the following dates: November 1<sup>st</sup>, November 11<sup>th</sup>, November 28<sup>th</sup>, and November 29<sup>th</sup>.

#### Flow Measurements

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





#### Gills Creek A (October 30, 2020 - December 1, 2020)

STREAM NAME: Gills Creek LOCATION: Forest Drive Bridge ADDRESS: Columbia, SC 20206 COORDINATES: 34-019826, -80-963566 TMDL/IMPAIRMENT: Fescal & Dissolved Oxygen WEIGHBORING ALADUSE: A8 square miles Residential and commercial APPROX, DRAINAGE RRAE: 48 square miles SPATIAL LOCATION: Most upstream site TOTAL NO. STORMS OVER 0.1 INCH: 1.3 inches TOTAL RAINFALL: 1.3 inches T			CONTINUOUS		SUN	MARY STATIS	TICS		
COATION:   Forest Drive Bridge   4840 Forest Drive Bridge   Columbia, SC 20200   Countilla, SC 20200   Count	PARAMETER	DESCRIPTION						STANDARI DEVIATION	
ADDRESS:	STREAM NAME:	Gills Creek	STAGE (FT):	1.7	3.1	1.8	1.9	0.3	
ADORESS: Columbia, SC 29206  COORDINATES: 34.019826, 60.965566  TURBIDITY (NTU): 2 229 6 9 12  PH: 6.3 7.0 6.7 6.7 0.1  AREA: PAPROX. DRAINAGE 48 square miles AREA: Specific Conductivity  (mScm): Sepecific Conductivity  TOTAL NO. STORMS 8  OXY6E 0.1 INCH: 1.3 inches  TOTAL RAINFALL: 1.3 inches  TOTAL RAINFALL	LOCATION:	Forest Drive Bridge							
TIMBIDITY (NTU): 2 229 6 9 12  NEIGHBORING ALANDUSE: Residential and commercial APPROX. DRAINAGE BPATTAL LOCATION: Most upstream site CONDUCTIVITY	ADDRESS:		TEMPERATURE (°F)	: 57	72	63	63	4	
TRIDLIMPARRENT: Fecal & Dissolved Oxygen   Residential and commercial   PH:   6.3   7.0   6.7   6.7   0.1    APPROX. DRAINAGE   48 square miles   REAL   28   28   28   28   28   28   28   2	COORDINATES:	34.019826, -80.963566	TURBIDITY (NTU):	2	229	6	9	12	
ANDUSE:   Residential and commercial   PAPPOX. DRAINAGE   A8 square miles   SPATIAL LOCATION:   Most upstream site   CONDUCTIVITY   0.035   0.053   0.045   0.045   0.002	TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen		_		ŭ	Ü		
APPROX. DRAINAGE A8 square miles SPATIAL LOCATION: Most upstream site CONDUCTIVITY (mScm):  MAX. DAILY RAINFALL: 1.3 inches DISSOLVED OXYGEN (mg/L):  Stage & Rainfall  FOR PERIOD:  Water Temp  Turbidity  Turbidity  Turbidity  Specific Conductivity  PM  Stage & Conductivity  Turbidity  Specific Conductivity  PM  Turbidity  Specific Conductivity	NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.3	7.0	6.7	6.7	0.1	
TOTAL NO. STORMS OVER 0.4 INCH:  1.3 inches OVER 0.1 INCH:  1.3 inches OVER 0.1 INCH:  1.4.4 inches  1.5 inches OXYGEN (mg/L):  1.6 inches OXYGEN (mg/L):  1.7 inches OXYGEN (mg/L):  1.8.1 inches OXYGEN (mg/L):  1.9.2 inches OXYGEN (mg/L):  1.0.2 inches OXYGEN (mg/L):  1.0.2 inches OXYGEN (mg/L):  1.0.2 inches OXYGEN (mg/L): OXYGEN (mg		48 square miles	<b>P</b>	0.0	7.0	0.7	0.7	0.1	
NAX. DAILY RAINFALL:   1.3 inches   DISSOLVED   DISS	SPATIAL LOCATION:	Most upstream site	<b>-</b>						
TOTAL RAINFALL FOR PERIOD:  4.4 inches  Stage & Rainfall  Stage & Rainfall  Water Temp  Turbidity  PH  Turbidity  PH  Specific Conductivity  Specific Conductivi		8		0.035	0.053	0.045	0.045	0.002	
TOTAL RAINFALL (FOR PERIOD):  4.4 inches  OXYGEN (mg/L):  8.1  10.2  9.1  9.2  0.4  (FOR PERIOD):  Stage & Rainfall  Water Temp  Turbidity  PH  Turbidity  PH  Specific Conductivity	MAX. DAILY RAINFALL:	1.3 inches	DISSOLVED						
Water Temp  Turbidity  PH  Specific Conductivity	TOTAL RAINFALL (FOR PERIOD):	4.4 inches	1 1	8.1	10.2	9.1	9.2	0.4	
Water Temp  Turbidity  Turbidity  PH  Turbidity  Turbidity  Ph  Turbidity  Ph  Turbidity  Ph  Turbidity  Turbidity  Ph  Turbidity  Turbidity  Ph  Turbidity  Tur			Stage & Rai	nfall					
Turbidity  Turbidity  PH  10/30 11/1 11/3 11/5 11/7 11/9 11/11 11/13 11/15 11/17 11/19 11/21 11/23 11/25 11/27 11/29 12/1  Specific Conductivity  Specific Conductivity  Specific Conductivity	0	11/5 11/7 11/9	11/11 11/13 11/15	11/17 11/19	11/21 11/2:	3 11/25 11		1.5	
Turbidity  Turbidity  pH  72  68  6.0  10/30 11/1 11/3 11/5 11/7 11/9 11/11 11/13 11/15 11/17 11/19 11/21 11/23 11/25 11/27 11/29 12/1  Specific Conductivity  Specific Conductivity  Specific Conductivity			Water Te	тр					
60 55 10/30 11/1 11/3 11/5 11/7 11/9 11/11 11/13 11/15 11/17 11/19 11/21 11/23 11/25 11/27 11/29 12/1  Turbidity  pH  7.2 6.8 6.0 10/30 11/1 11/3 11/5 11/7 11/9 11/11 11/13 11/15 11/17 11/19 11/21 11/23 11/25 11/27 11/29 12/1  Specific Conductivity  6 0.05 0.04 0.03	70								
10/30 11/1 11/3 11/5 11/7 11/9 11/11 11/13 11/15 11/17 11/19 11/21 11/23 11/25 11/27 11/29 12/1  Turbidity  PH  72  6.8  6.4  6.0  10/30 11/1 11/3 11/5 11/7 11/9 11/11 11/13 11/15 11/17 11/19 11/21 11/23 11/25 11/27 11/29 12/1  Specific Conductivity  6.0  0.06  0.04  0.05		~~~~			\ \ \ \ \				
Turbidity  Turbidity  10/30 11/1 11/3 11/5 11/7 11/9 11/11 11/13 11/15 11/17 11/19 11/21 11/23 11/25 11/27 11/29 12/1  PH  6.8 6.0 10/30 11/1 11/3 11/5 11/7 11/9 11/11 11/13 11/15 11/17 11/19 11/21 11/23 11/25 11/27 11/29 12/1  Specific Conductivity  6.0 0.05 0.05 0.05 0.05 0.06 0.07 0.08 0.09 0.09 0.09 0.09 0.09 0.09 0.09	55		11/11 11/13 11/15						
PH    10/30   11/1   11/3   11/5   11/7   11/9   11/11   11/13   11/15   11/17   11/19   11/21   11/23   11/25   11/27   11/29   12/1    10/30   11/1   11/3   11/5   11/7   11/9   11/11   11/13   11/15   11/17   11/19   11/21   11/23   11/25   11/27   11/29   12/1    Specific Conductivity    0.06	10/30 11/1 11/3	3 11/5 11/7 11/9		11/17 11/19	11/21 11/	23 11/25 :	11/27 11/29	12/1	
PH  10/30 11/1 11/3 11/5 11/7 11/9 11/11 11/13 11/15 11/17 11/19 11/21 11/23 11/25 11/27 11/29 12/1  Specific Conductivity  Specific Conductivity	10/30 11/1 11/3	3 11/5 11/7 11/9	11,11 11,13 11,13	11/17 11/19	11/21 11/	23 11/25	11/27 11/29	12/1	
0 10/30 11/1 11/3 11/5 11/7 11/9 11/11 11/13 11/15 11/17 11/19 11/21 11/23 11/25 11/27 11/29 12/1  PH  7.2 6.8 6.4 6.0 10/30 11/1 11/3 11/5 11/7 11/9 11/11 11/13 11/15 11/17 11/19 11/21 11/23 11/25 11/27 11/29 12/1  Specific Conductivity  0.06 0.05 0.04 0.03		3 11/5 11/7 11/9			11/21 11/	23 11/25 :	11/27 11/29	12/1	
0 10/30 11/1 11/3 11/5 11/7 11/9 11/11 11/13 11/15 11/17 11/19 11/11 11/23 11/25 11/27 11/29 12/1  PH  7.2 6.8 6.4 6.0 10/30 11/1 11/3 11/5 11/7 11/9 11/11 11/13 11/15 11/17 11/19 11/21 11/23 11/25 11/27 11/29 12/1  Specific Conductivity  0.06 0.05 0.04 0.03	300	3 11/5 11/7 11/9			11/21 11/	23 11/25	11/27 11/29	12/1	
PH  7.2 6.8 6.4 6.0 10/30 11/1 11/3 11/5 11/7 11/9 11/11 11/13 11/15 11/17 11/19 11/21 11/23 11/25 11/27 11/29 12/1  Specific Conductivity  0.06 0.04 0.03	300	3 11/5 11/7 11/9	Turbid		11/21 11/	23 11/25	11/27 11/29	12/1	
Specific Conductivity  Specific Conductivity  0.06  0.03  0.04  0.05  0.05  0.06  0.07  0.08  Specific Conductivity	P 200 0		Turbid	ity					
Specific Conductivity  Specific Conductivity  0.06 0.05 0.04 0.03	P 200 100 0		Turbid	ity					
Specific Conductivity  Specific Conductivity  0.06 0.05 0.04 0.05 0.05 0.06 0.07 0.08 0.09 0.09 0.09 0.09 0.09 0.09 0.09	B 200 200 100 11/1 1:		11/11 11/13 11/15	ity					
10/30 11/1 11/3 11/5 11/7 11/9 11/11 11/13 11/15 11/17 11/19 11/21 11/23 11/25 11/27 11/29 12/1  Specific Conductivity  0.06 0.04 0.05	PE 300 200 100 10/30 11/1 1:		11/11 11/13 11/15	ity					
Specific Conductivity  0.06 0.05 0.04 0.03	P 200 200 100 10/30 11/1 1:		11/11 11/13 11/15	ity					
0.06 0.04 0.03	P 300 200 100 10/30 11/1 1:	1/3 11/5 11/7 11/9	Turbid	11/17 11/15	) 11/21 11	/23 11/25	11/27 11/29	12/1	
0.06 0.05 0.04 0.03	P 300 200 100 10/30 11/1 1:	1/3 11/5 11/7 11/9	Turbid	11/17 11/15	) 11/21 11	/23 11/25	11/27 11/29	12/1	
0.03	P 300 200 100 10/30 11/1 1:	1/3 11/5 11/7 11/9	Turbid  11/11 11/13 11/15  pH  11/11 11/13 11/15	11/17 11/19	) 11/21 11	/23 11/25	11/27 11/29	12/1	
0.03	7.2 6.8 6.4 6.0 10/30 11/1 11/1	1/3 11/5 11/7 11/9	Turbid  11/11 11/13 11/15  pH  11/11 11/13 11/15	11/17 11/19	) 11/21 11	/23 11/25	11/27 11/29	12/1	
	7.2 6.8 6.4 6.0 10/30 11/1 11/1	1/3 11/5 11/7 11/9	Turbid  11/11 11/13 11/15  pH  11/11 11/13 11/15	11/17 11/19	) 11/21 11	/23 11/25	11/27 11/29	12/1	
	7.2 6.8 6.4 6.0 10/30 11/1 11/1 11/1 11/1	1/3 11/5 11/7 11/9	Turbid  11/11 11/13 11/15  pH  11/11 11/13 11/15	11/17 11/19	) 11/21 11	/23 11/25	11/27 11/29	12/1	

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

11/9

11/11

11/13

11/7

11/3

11/1

11/5

10/30

11/15

11/17

11/21

11/19

11/23

11/25

11/27

11/29

12/1

Gills Creek A (October 30, 2020 - December 1, 2020)

### **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:

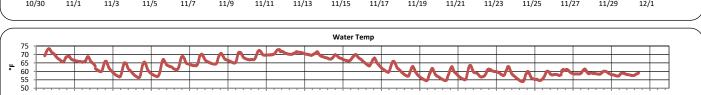
	Sam	ple 1	Sam	ple 2	Sam	ple 3	Sam	ple 4
Analyte (units)	11/12	/2020	11/12	/2020	11/12	/2020		
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	8:50	486	11:15	5,510	13:15	7,308		
Total Suspended Solids (mg/L)	8:50	5.7	11:15	65.6	13:15	46.4		
Total Phosphorus (mg/L)	8:50	0.039	11:15	0.093	13:15	0.07		
Total Nitrogen (mg/L)	8:50	0.5	11:15	0.79	13:15	0.89		

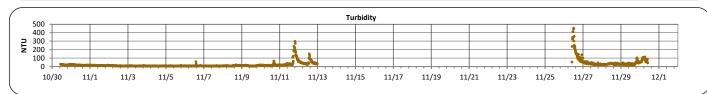
Notes: All samples were taken during wet weather conditions.

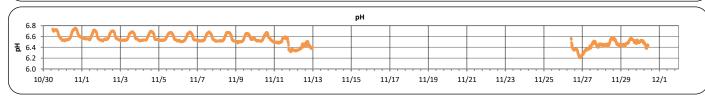


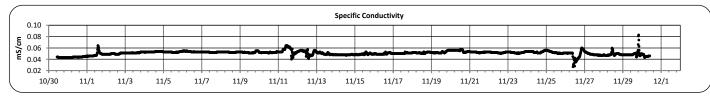


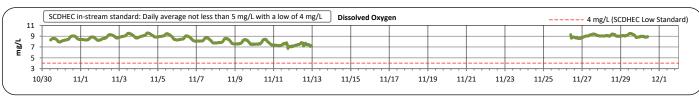
Gills Creek B (October 30, 2020 - December 1, 2020)								
PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY	SUMMARY STATISTICS					
PARAMETER	DESCRIPTION	PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION	
STREAM NAME:	Gills Creek	DISCHARGE (CFS):	24.1	335.0	34.2	55.6	45.7	
LOCATION:	Devine Street bridge	TEMPERATURE (SE).	54	73	62	63	_	
ADDRESS:	4716 Devine Street Columbia, SC 29209	TEMPERATURE (°F):	54	73	62	63	5	
COORDINATES:	33.989656, -80.97433	TURBIDITY (NTU):	6	456	15	27	41	
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	TORBIDITT (NTO).	Ü	400	10	21	71	
NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.2	6.8	6.5	6.5	0.1	
APPROX. DRAINAGE AREA:	59 square miles	pri.	0.2	0.0	0.5	0.3	0.1	
SPATIAL LOCATION:	Middle site	SPECIFIC						
TOTAL NO. STORMS OVER 0.1 INCH:	8	CONDUCTIVITY (mS/cm):	0.027	0.083	0.052	0.051	0.004	
MAX. DAILY RAINFALL:	1.2 inches	DISSOLVED						
TOTAL RAINFALL (FOR PERIOD):	4.2 inches	OXYGEN (mg/L):	6.8	9.7	8.6	8.5	0.6	
	om the USGS 02169570 Gills Creek station	Discharge & R	ainfall					
\$ 800 \$ 600 \$ 400 \$ 400 \$ 700 \$ 700 \$ 700 \$ 700 \$ 700 \$ 700 \$ 700 \$ 700 \$ 700 \$ 700 \$ 700 \$ 700 \$ 700		A			1		0.0 u. 1.5 u. 1.	
S 0 10/30 11/1 11/3	<u>a</u> 0							











Gills Creek B (October 30, 2020 - December 1, 2020)

### **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)	11/12	/2020	11/12	/2020	11/12	/2020	11/20	/2020
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	9:45	1,596	11:30	4,666	14:00	14,540	9:12	126
Total Suspended Solids (mg/L)	9:45	30.3	11:30	40	14:00	126	9:12	68.4
Total Phosphorus (mg/L)	9:45	0.047	11:30	0.066	14:00	0.12		
Total Nitrogen (mg/L)	9:45	0.66	11:30	0.64	14:00	0.72		

Notes: Samples 1-3 were taken during wet weather conditions. Sample 4 was taken during dry weather conditions.





#### Gills Creek C (October 30, 2020 - December 1, 2020)

### ARAMETER   DESCRIPTION   WATER QUALITY   MINERULU   DESCRIVED   DESCRIPTION   DESC			CONTINUOUS		SUN	MARY STATIS	TICS	
DORDINATES: 3039 BIGH PKI Columbia, SC 20209  DORDINATES: 3039 SIGH PKI	PARAMETER	DESCRIPTION	WATER QUALITY					STANDAR DEVIATION
TEMPERATURE (*F): 53   72   60   62   5	STREAM NAME:	Gills Creek	STAGE (FT):	3.0	10.1	3.3	4.1	1.7
DOREINATES: Columbias SC 292009 OMEDIATES: Columbias SC 292009 OMEDIATES: Solve Bank Sc 292009	LOCATION:	Bluff Road bridge						_
### TURBIDITY (NTU): 3 128 10 13 12 12 12 12 12 12 12 12 12 12 12 12 12	ADDRESS:		TEMPERATURE (°F):	53	72	60	62	5
MDL/MPRIMENT: Fecal & Dissolved Oxygen   Election State   Fecal & Dissolved Oxygen   Fecal & Dissolved Ox	COORDINATES:							
PRIOR   Residential and commercial   PRIOR   Residential	TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	TURBIDITY (NTU):	3	128	10	13	12
PREA: 64 square miles RAX. DAILY RAINFALL: 1.44 inches DTAL NO. STORNS VER 0.1 INCH: 6  AX. DAILY RAINFALL: 1.44 inches DTAL RAINFALL: 1.44 inches DSSOLVED DXYGEN (mg/L): 2.5 9.3 8.0 7.6 1.5  TAL RAINFALL (FOR 3.7 inches  **Stage & Fainfall**  **Water Temp**  **Water Temp**  **Water Temp**  **Water Temp**  **June 11/1 11/2 11/2 11/2 11/2 11/2 11/2 11/	NEIGHBORING							
DISOLVED OXYGEN (mg/L): 0.042 0.071 0.066 0.064 0.004  AX. DALLY RAINFALL: 1.44 inches DISSOLVED OXYGEN (mg/L): 2.5 9.3 8.0 7.6 1.5  TOTAL RAINFALL (FOR 3.7 inches Stage & Rainfall  Water Temp  Water Temp  Turbdity  Turbdity  Fig. 1/17 11/29 11/21 11/23 11/25 11/77 11/29 12/1  Specific Conductivity  DISSOLVED OXYGEN (mg/L): 2.5 9.3 8.0 7.6 1.5  Turbdity  Fig. 1/17 11/29 11/21 11/23 11/25 11/77 11/29 12/1  Turbdity  Specific Conductivity  DISSOLVED OXYGEN (mg/L): 2.5 9.3 8.0 7.6 1.5  Turbdity  Specific Conductivity  DISSOLVED OXYGEN (mg/L): 11/2 11/23 11/25 11/77 11/29 12/1  Turbdity  Specific Conductivity  DISSOLVED OXYGEN (mg/L): 11/2 11/23 11/25 11/77 11/29 12/1  Turbdity  Specific Conductivity  DISSOLVED OXYGEN (mg/L): 11/2 11/23 11/25 11/77 11/29 12/1  DISSOLVED OXYGEN (mg/L): 11/2 11/23 11/25 11/77 11/29 12/1  Turbdity  DISSOLVED OXYGEN (mg/L): 11/23 11/25 11/77 11/29 12/1  DISSOLVED OXYGEN (mg/L): 11/23 11/25 11/77 11/29 11/21 11/23 11/25 11/77 11/29 12/1  DISSOLVED OXYGEN (mg/L): 11/23 11/25 11/77 11/29 11/21 11/23 11/25 11/77 11/29	APPROX. DRAINAGE AREA:	64 square miles	рн:	5.9	6.3	6.2	6.2	0.1
OCHOLOTIVITY (INCH:  1.44 Inches  DISSOLVED DXYGEN (mg/L):  2.5 9.3 8.0 7.6 1.5  FRIOD):  **Mater Temp**  **Water Temp**  **Wa	SPATIAL LOCATION:	Most downstream site	SPECIFIC					
DISSOLVED OXYGEN (mg/L): 2.5 9.3 8.0 7.6 1.5 PSRIODS:  Stage & Rainfall  Water Temp  Water Temp  Turbidity  12  13  14  15  17  11/3 11/3 11/3 11/3 11/3 11/3 11/3 11/	TOTAL NO. STORMS OVER 0.1 INCH:	6	CONDUCTIVITY	0.042	0.071	0.066	0.064	0.004
Stage & Rainfall    10	MAX. DAILY RAINFALL:			2.5	9.3	8.0	7.6	1.5
10/30 11/1 11/3 11/5 11/7 11/9 11/11 11/13 11/15 11/17 11/19 11/21 11/23 11/25 11/27 11/29 12/1  Water Temp  Turbidity  150  10/30 11/1 11/3 11/5 11/7 11/9 11/11 11/13 11/15 11/17 11/19 11/21 11/23 11/25 11/27 11/29 12/1  10/30 11/1 11/3 11/5 11/7 11/9 11/11 11/13 11/15 11/17 11/19 11/21 11/23 11/25 11/27 11/29 12/1  Specific Conductivity  180  Specific Conductivity  180  SCENIEC: in-stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L  SCENIEC: in-stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L  SCENIEC: in-stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L  SCENIEC: in-stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L  SCENIEC: in-stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L  SCENIEC: in-stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L  SCENIEC: in-stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L  Dissolved Oxygen — — 4 mg/L (SCDIEC Low Standard)	PERIOD):	3.7 inches	OXYGEN (mg/L):					
Water Temp    10/30   11/1   11/3   11/5   11/7   11/9   11/11   11/13   11/15   11/17   11/19   11/21   11/23   11/25   11/27   11/29   12/1			Stage & Rain	fall				
10/30 11/1 11/3 11/5 11/7 11/9 11/11 11/13 11/15 11/17 11/19 11/21 11/23 11/25 11/27 11/29 12/1  Water Temp  Turbidity  PH  62 60 60 60 60 60 60 60 60 60 60 60 60 60							, 14,	0.0
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10/30 11/1 11/3 11/5 11/7 11/9 11/11 11/13 11/15 11/17 11/19 11/11 11/13 11/15 11/17 11/19 11/21 11/23 11/25 11/27 11/29 12/1  SCDHEC in-stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L  Dissolved Oxygen							N T	
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	10	5. 2. Sany average not less than 5 mg/L wit	Dissolv	eu Oxygen			+ mg/r (SCDHEC FON	v standard)
	₹ 6 <del>                                    </del>							
	<b>≥</b> 4 †							
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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 (October 30, 2020 - December 1, 2020)

### **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)	11/12	/2020	11/12	/2020	11/12	/2020	11/20	/2020
	Time	Results	Time	Results	Time	Results	Time	Results
Escherichia coli (MPN/100mL)	10:19	4,196	11:50	2,758	14:04	7,308	9:35	170
Total Suspended Solids (mg/L)	10:19	15.1	11:50	15.8	14:04	27	9:35	7.1
Total Phosphorus (mg/L)	10:19	0.064	11:50	0.075	14:04	0.088		
Total Nitrogen (mg/L)	10:19	0.53	11:50	0.73	14:04	0.74		

Notes: Samples 1-3 were taken during wet weather conditions. Sample 4 was taken during dry weather conditions.