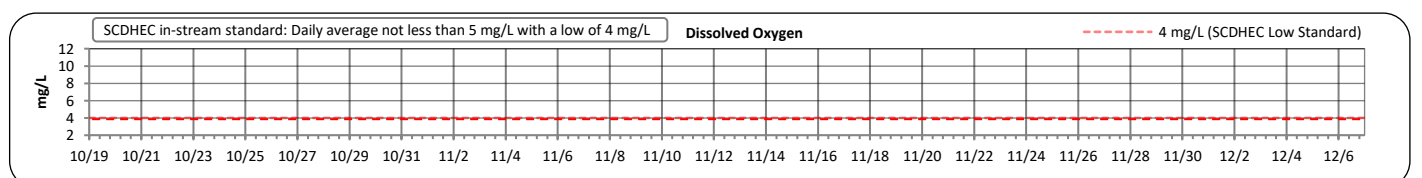
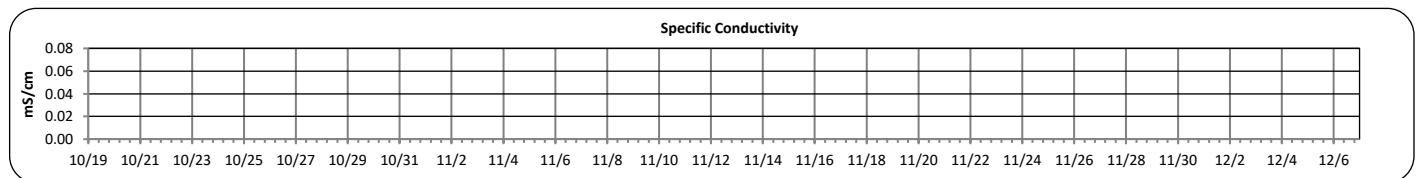
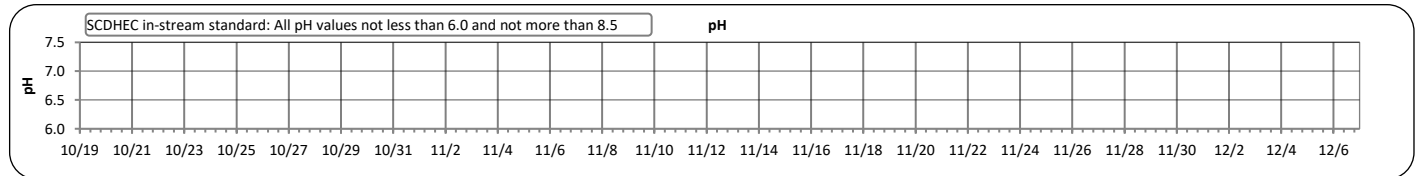
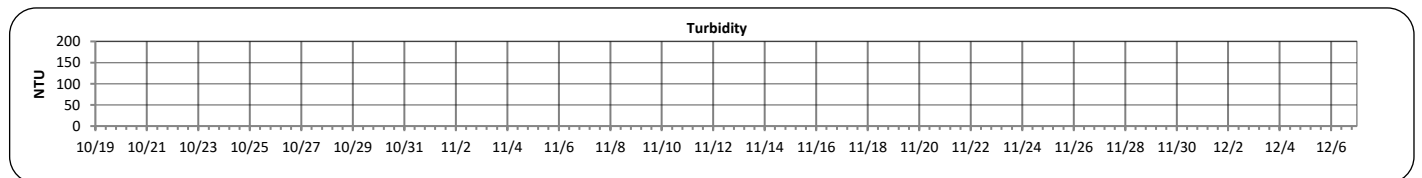
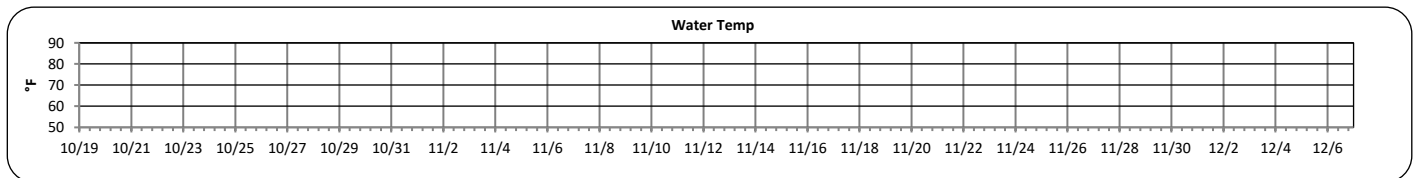
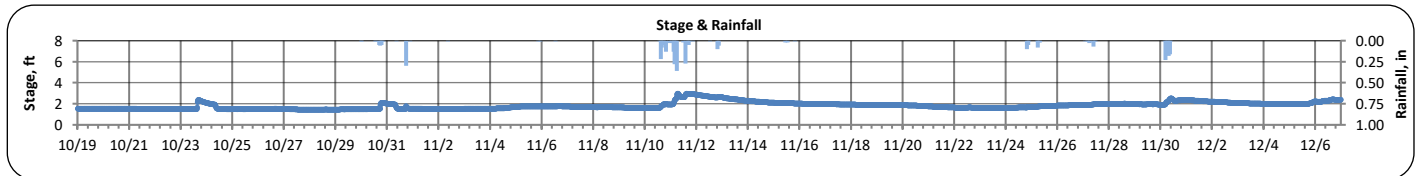


Continuous Water Quality Monitoring Periodic Report

Gills Creek A (October 19, 2022 - December 6, 2022)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Gills Creek	STAGE (FT):	1.4	3.0	1.6	1.8	0.3
LOCATION:	Forest Drive Bridge	TEMPERATURE (°F):	-	-	-	-	-
ADDRESS:	4840 Forest Drive, Columbia, SC 29206	TURBIDITY (NTU):	-	-	-	-	-
COORDINATES:	34.019826, -80.963566	pH:	-	-	-	-	-
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	SPECIFIC CONDUCTIVITY (mS/cm):	-	-	-	-	-
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	-	-	-	-	-
APPROX. DRAINAGE AREA:	48 square miles						
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	9						
MAX. DAILY RAINFALL:	1.3 inches						
TOTAL RAINFALL (FOR PERIOD):	3.8 inches						



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

REPORT GENERATED ON 1/30/2023

**Continuous Water Quality
Monitoring Periodic Report**

Gills Creek A (October 19, 2022 - December 6, 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:

Analyte (units)	Sample 1		Sample 2					
	11/10/2022		11/10/2022					
	Time	Results	Time	Results				
<i>Escherichia coli</i> (MPN/100mL)	15:32	1,918	16:10	3,328				
Total Suspended Solids (mg/L)								
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

All samples were collected during wet weather conditions.

Notes:

Data Gaps

Temperature, turbidity, pH, specific conductivity, and DO were not collected during this monitoring period due to sensors being unsubmerged.

Potential Illicit Discharges and Abnormal Events:

No abnormal events could be identified during this monitoring period.

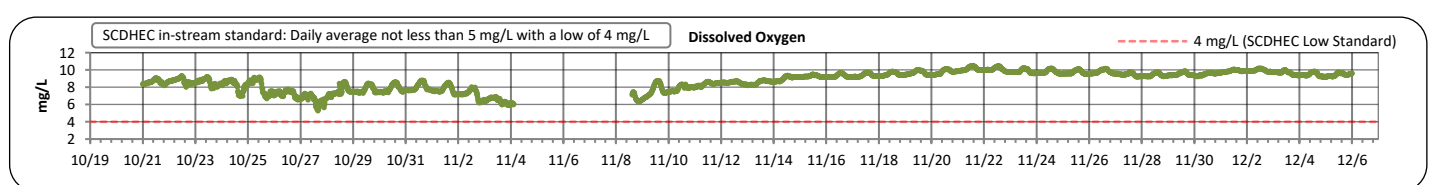
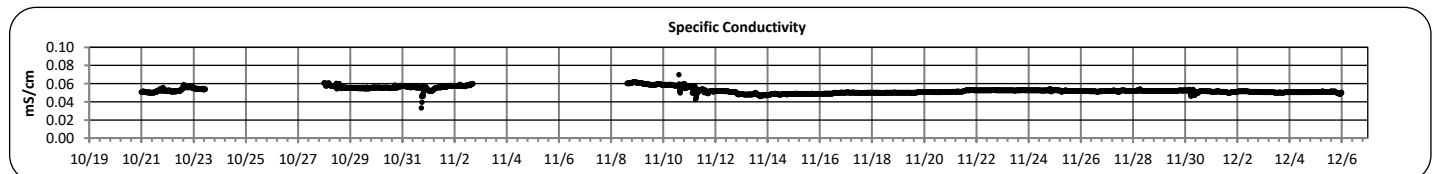
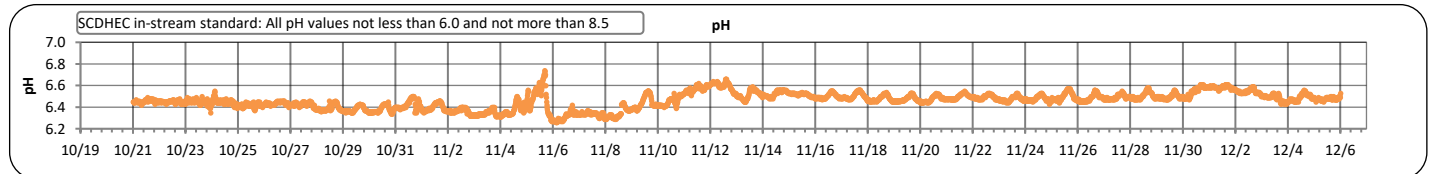
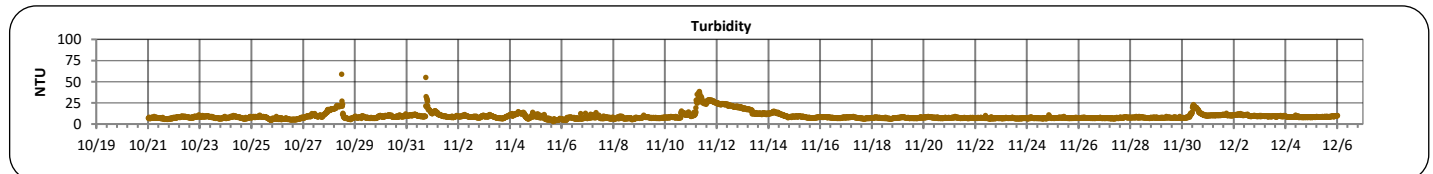
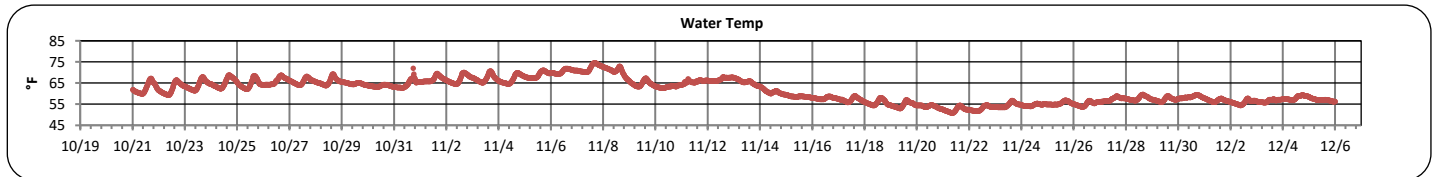
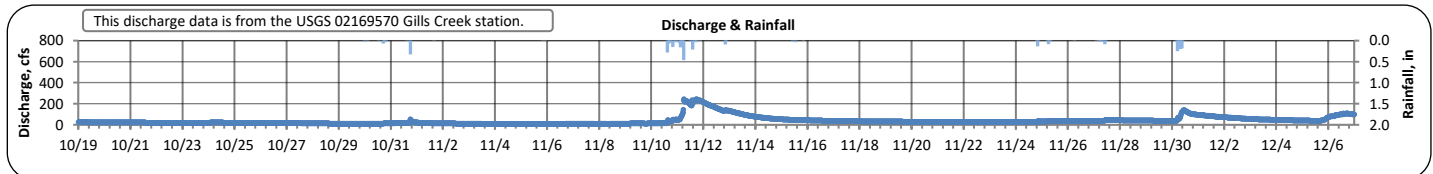
Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

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Continuous Water Quality Monitoring Periodic Report

Gills Creek B (October 19, 2022 - December 6, 2022)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Gills Creek	DISCHARGE (CFS):	7.9	246.0	27.2	39.2	38.3
LOCATION:	Devine Street bridge	TEMPERATURE (°F):	51	75	62	61	5
ADDRESS:	4716 Devine Street Columbia, SC 29209	TURBIDITY (NTU):	3	59	8	9	4
COORDINATES:	33.989656, -80.97433	pH:	6.3	6.7	6.5	6.5	0.1
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	SPECIFIC CONDUCTIVITY (mS/cm):	0.033	0.070	0.052	0.053	0.003
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	5.3	10.5	9.2	8.8	1.1
APPROX. DRAINAGE AREA:	59 square miles						
SPATIAL LOCATION:	Middle site						
TOTAL NO. STORMS OVER 0.1 INCH:	9						
MAX. DAILY RAINFALL:	1.2 inches						
TOTAL RAINFALL (FOR PERIOD):	3.9 inches						



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

REPORT GENERATED ON 1/30/2023

**Continuous Water Quality
Monitoring Periodic Report**

Gills Creek B (October 19, 2022 - December 6, 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:

Analyte (units)	Sample 1							
	11/10/2022							
	Time	Results						
<i>Escherichia coli</i> (MPN/100mL)	15:57	11,590						
Total Suspended Solids (mg/L)	15:57	22.3						
Total Phosphorus (mg/L)	15:57	0.13						
Total Nitrogen (mg/L)	15:57	0.897						

Sample 1 was collected during wet weather conditions.

Notes:

Data Gaps

There were data gaps in dissolved oxygen from 11/4 - 11/8 due to fouling, and specific conductivity from 10/23 - 10/28 and 11/2 - 11/8 due to fouling.

Potential Illicit Discharges and Abnormal Events:

There were no abnormal events at the GILB station during this monitoring period.

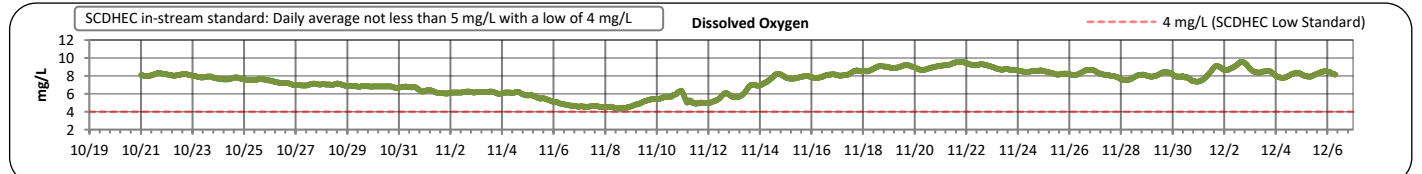
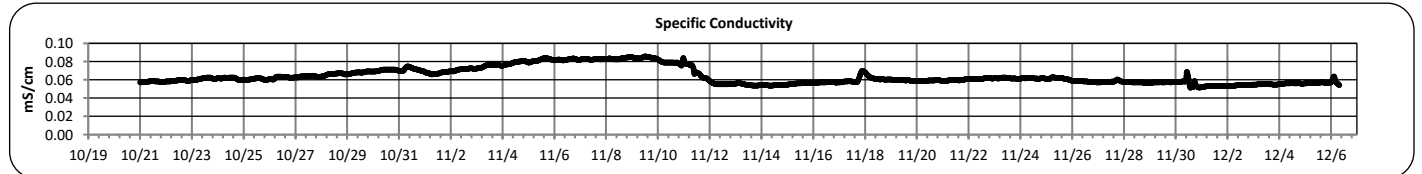
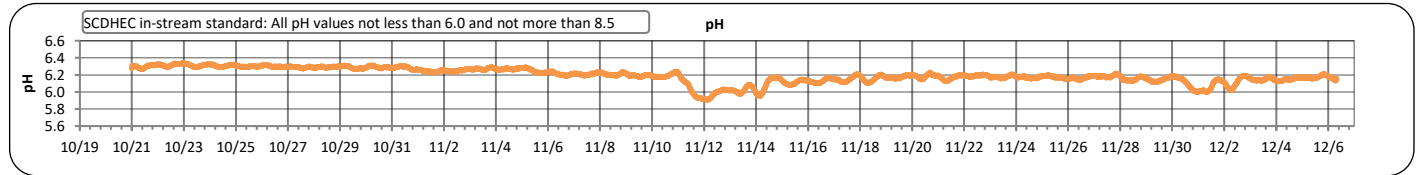
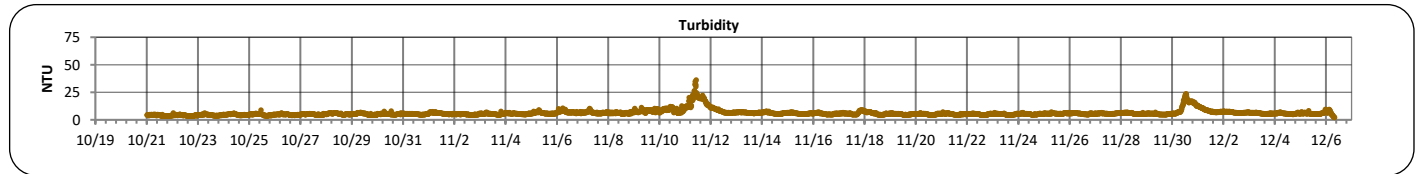
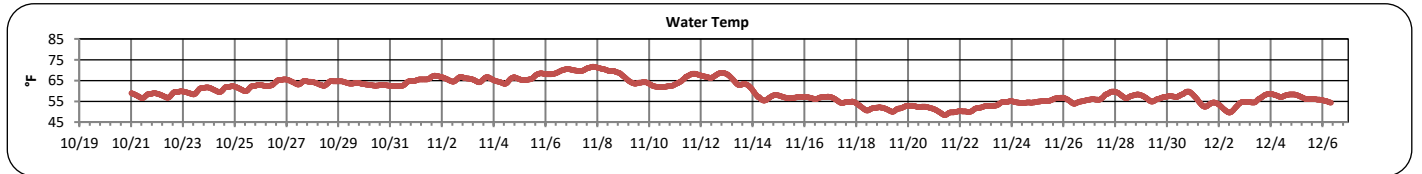
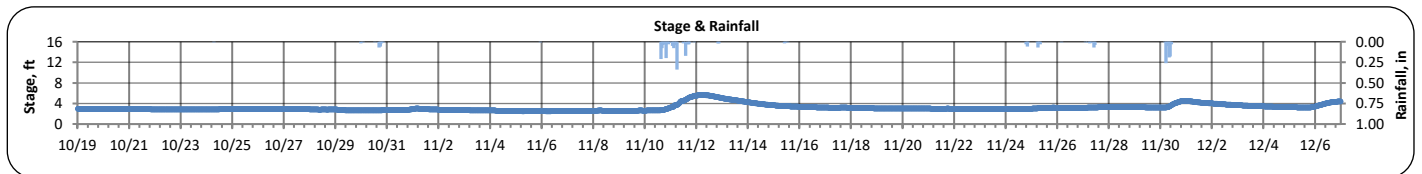
Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

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Continuous Water Quality Monitoring Periodic Report

Gills Creek C (October 19, 2022 - December 6, 2022)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Gills Creek	STAGE (FT):	2.5	5.7	2.9	3.1	0.6
LOCATION:	Bluff Road bridge	TEMPERATURE (°F):	48	72	59	60	6
ADDRESS:	3009 Bluff Rd. Columbia, SC 29209	TURBIDITY (NTU):	2	36	6	6	3
COORDINATES:	33.948043, -80.9889	pH:	5.9	6.3	6.2	6.2	0.1
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	SPECIFIC CONDUCTIVITY (mS/cm):	0.051	0.086	0.061	0.064	0.009
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	4.4	9.6	7.8	7.4	1.3
APPROX. DRAINAGE AREA:	64 square miles						
SPATIAL LOCATION:	Most downstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	7						
MAX. DAILY RAINFALL:	0.82 inches						
TOTAL RAINFALL (FOR PERIOD):	2.9 inches						



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

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**Continuous Water Quality
Monitoring Periodic Report**

Gills Creek C (October 19, 2022 - December 6, 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:

Analyte (units)	Sample 1		Sample 2					
	11/10/2022		11/10/2022					
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	15:11	194	16:14	242				
Total Suspended Solids (mg/L)	15:11	4.9	16:14	4.6				
Total Phosphorus (mg/L)	15:11	0.055	16:14	0.051				
Total Nitrogen (mg/L)	15:11	0.782	16:14	0.679				

All samples 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:

There was an increase in specific conductivity from 11/17 to 11/18 that may have been the result of an illicit discharge.

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

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