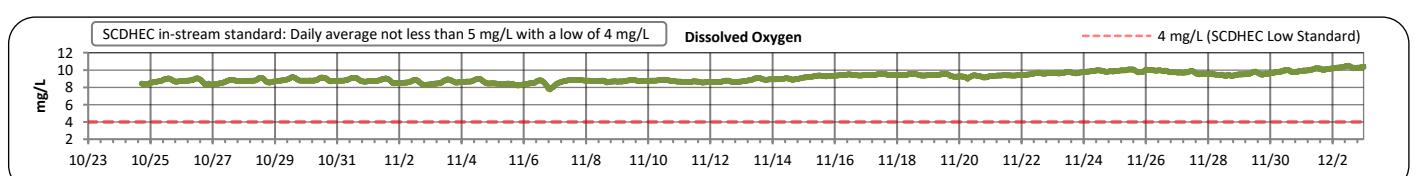
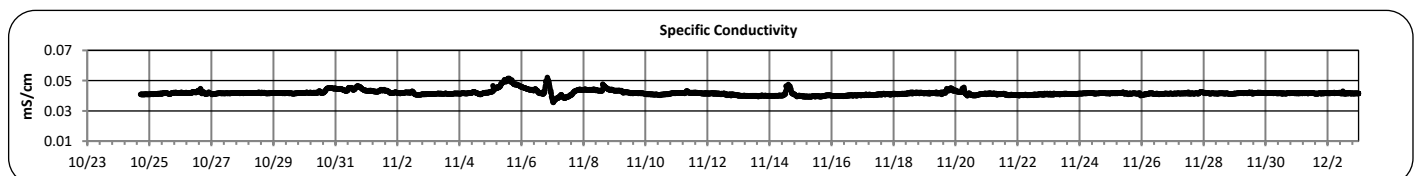
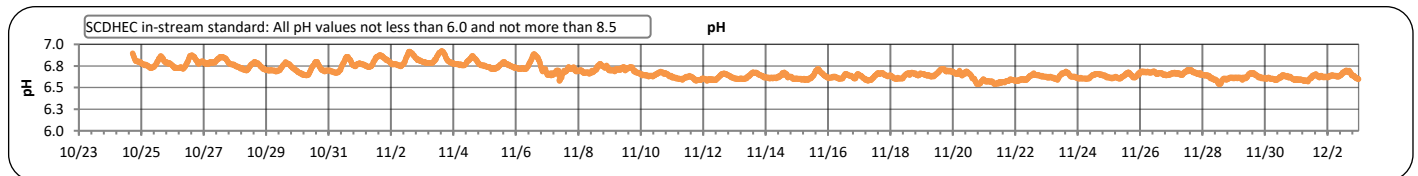
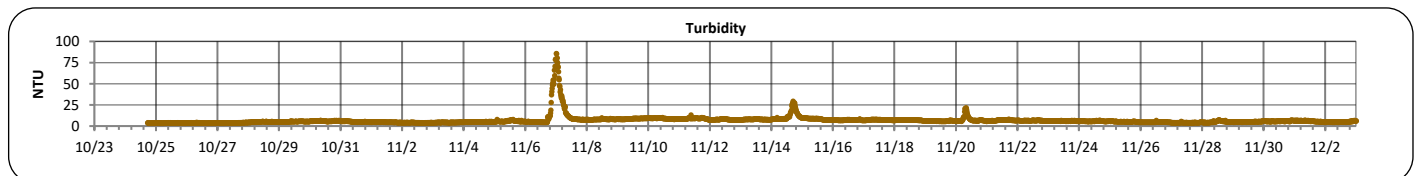
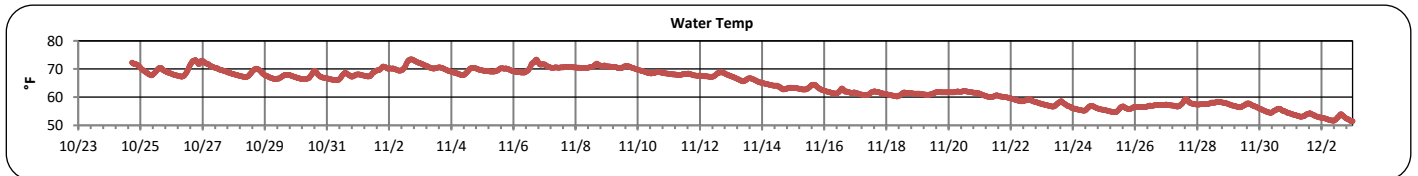
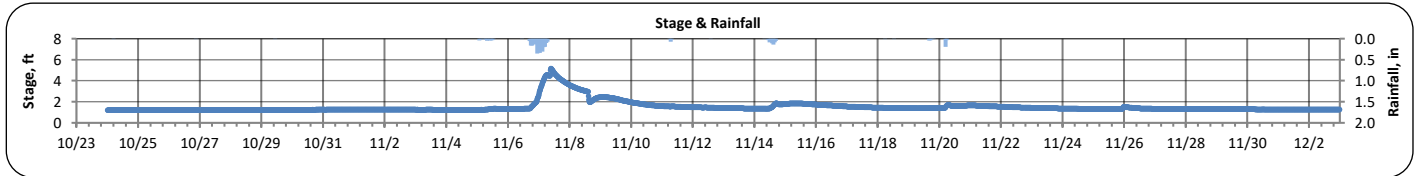


Continuous Water Quality Monitoring Periodic Report

Gills Creek A (October 23, 2024 - December 03, 2024)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Gills Creek	STAGE (FT):	1.2	5.2	1.3	1.5	0.5
LOCATION:	Forest Drive Bridge	TEMPERATURE (°F):	50	73	66	64	6
ADDRESS:	4840 Forest Drive, Columbia, SC 29206	TURBIDITY (NTU):	3	86	6	7	6
COORDINATES:	34.019826, -80.963566	pH:	6.5	6.9	6.7	6.7	0.1
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	SPECIFIC CONDUCTIVITY (mS/cm):	0.036	0.052	0.042	0.042	0.002
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	7.8	10.7	9.0	9.2	0.5
APPROX. DRAINAGE AREA:	48 square miles						
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	7						
MAX. DAILY RAINFALL:	1.5 inches						
TOTAL RAINFALL (FOR PERIOD):	4.3 inches						



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 (October 23, 2024 - December 03, 2024)

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: All samples were collected during wet weather conditions during this monitoring period

Analyte (units)	Sample 1		Sample 2					
	11/14/2024		11/14/2024					
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	13:36	2,220	15:00	2,550				
Total Suspended Solids (mg/L)	13:36	16.8	15:00	17.8				
Lead (mg/L)	13:36	0.004	15:00	0.003				
Hardness	13:36	13	15:00	12				

Notes:

Data Gaps

Calibration period occurred from 10/22-10/24.

Potential Illicit Discharges and Abnormal Events:

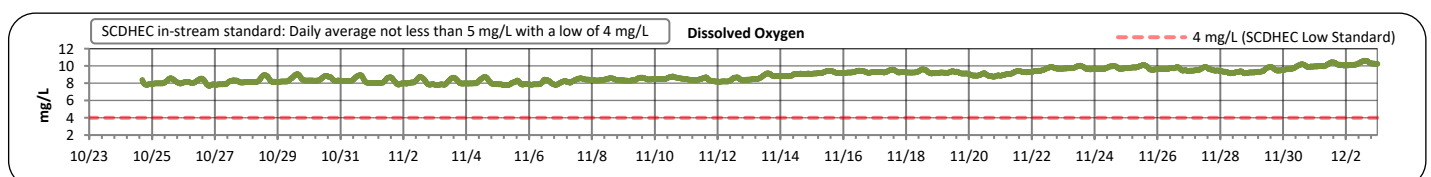
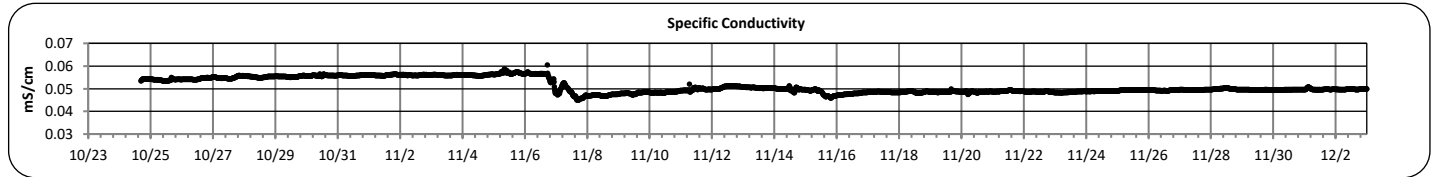
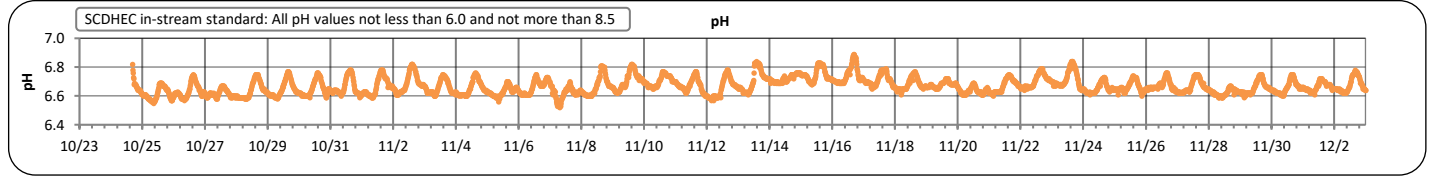
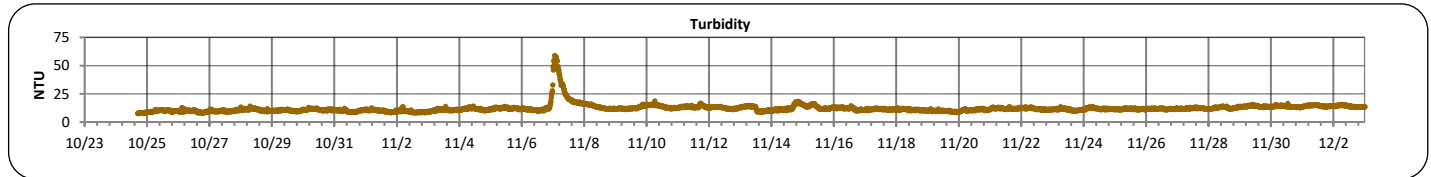
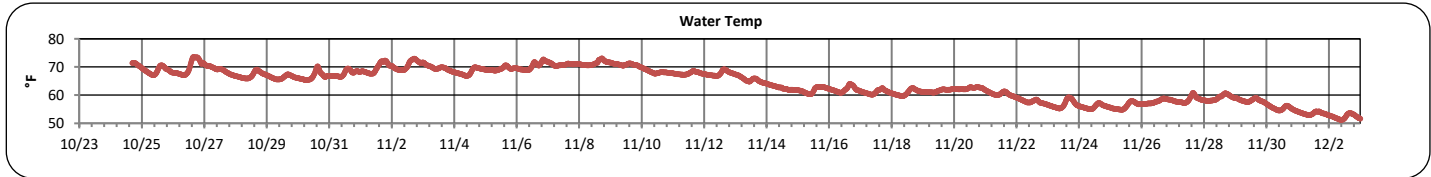
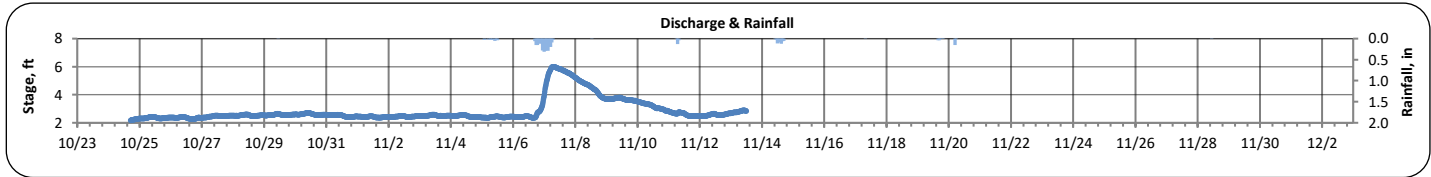
No illicit discharges or abnormal events this monitoring period.

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 (October 23, 2024 - December 03, 2024)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Gills Creek	STAGE (FT):	2.2	6.0	2.5	2.9	0.8
LOCATION:	Devine Street bridge	TEMPERATURE (°F):	50	74	65	64	6
ADDRESS:	4716 Devine Street Columbia, SC 29209	TURBIDITY (NTU):	8	59	12	12	4
COORDINATES:	33.989656, -80.97433	pH:	6.5	6.9	6.7	6.7	0.1
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	SPECIFIC CONDUCTIVITY (mS/cm):	0.045	0.061	0.050	0.051	0.003
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	7.7	10.6	8.9	8.9	0.7
APPROX. DRAINAGE AREA:	59 square miles						
SPATIAL LOCATION:	Middle site						
TOTAL NO. STORMS OVER 0.1 INCH:	7						
MAX. DAILY RAINFALL:	1.3 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

**Continuous Water Quality
Monitoring Periodic Report**

Gills Creek B (October 23, 2024 - December 03, 2024)

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: All samples were collected during wet weather conditions during this monitoring period.

Analyte (units)	Sample 1		Sample 2					
	11/14/2024		11/14/2024					
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	14:30	1,470	15:40	1,010				
Total Suspended Solids (mg/L)	14:30	10.1	15:40	12.4				
Lead (mg/L)	14:30	ND	15:40	0.002				
Hardness	14:30	13	15:40	13				

Notes:

Data Gaps

Calibration period occurred from 10/22-10/24. Depth data lost on 11/14 through end of monitoring period due to equipment failure.

Potential Illicit Discharges and Abnormal Events:

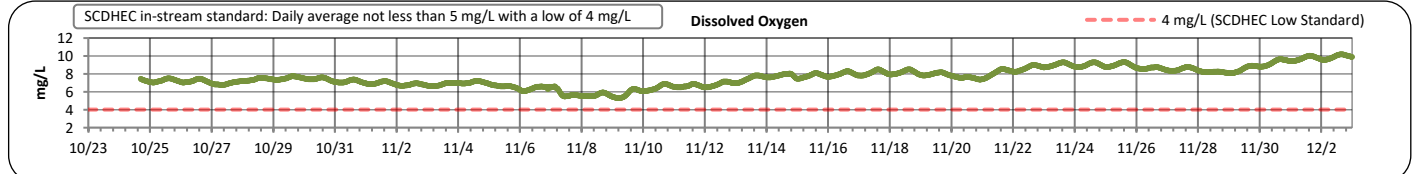
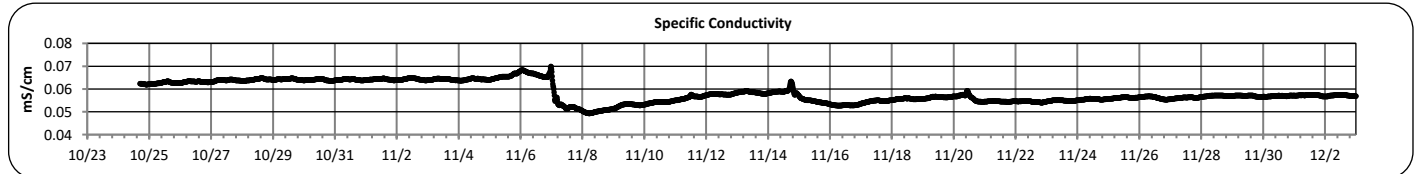
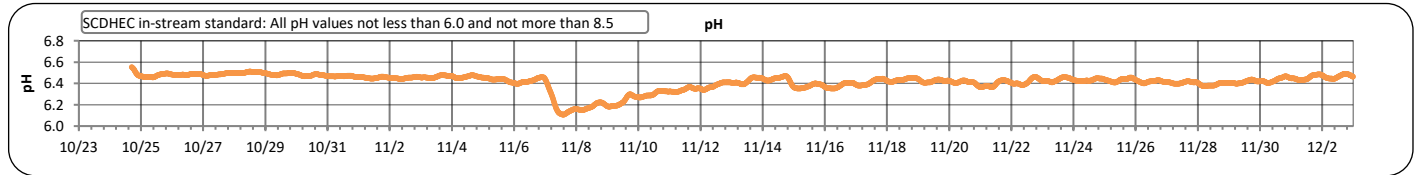
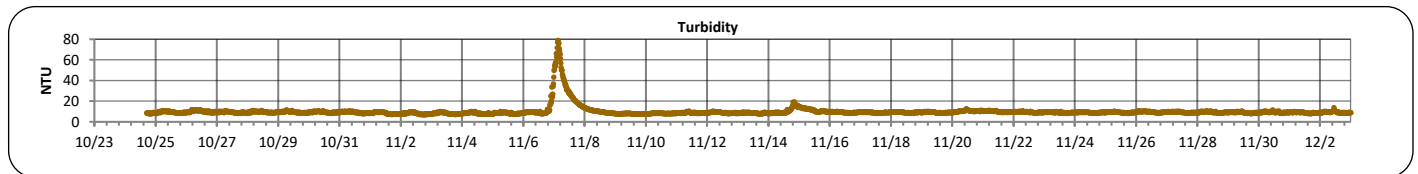
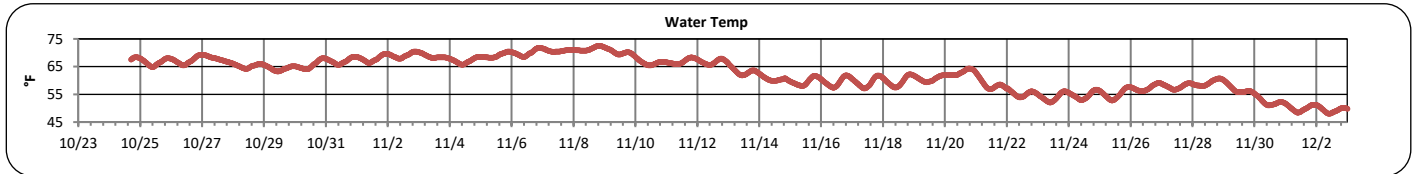
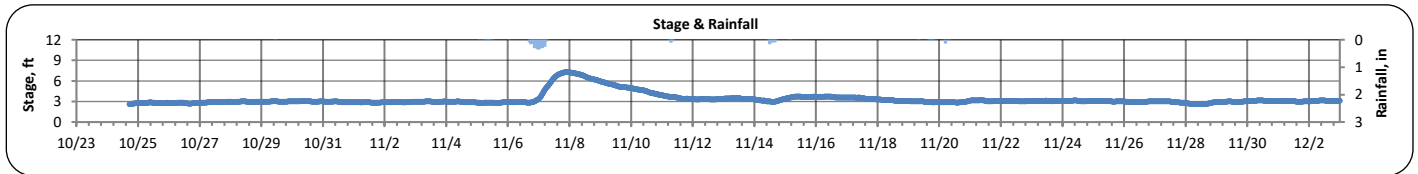
No illicit discharges or abnormal events this monitoring period.

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 (October 23, 2024 - December 03, 2024)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Gills Creek	STAGE (FT):	2.6	7.3	3.1	3.3	0.9
LOCATION:	Bluff Road bridge	TEMPERATURE (°F):	47	73	63	62	6
ADDRESS:	3009 Bluff Rd. Columbia, SC 29209	TURBIDITY (NTU):	7	79	9	10	5
COORDINATES:	33.948043, -80.9889	pH:	6.1	6.6	6.4	6.4	0.1
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	SPECIFIC CONDUCTIVITY (mS/cm):	0.049	0.070	0.057	0.059	0.004
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	5.3	10.2	7.6	7.7	1.1
APPROX. DRAINAGE AREA:	64 square miles						
SPATIAL LOCATION:	Most downstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	2						
MAX. DAILY RAINFALL:	1.7 inches						
TOTAL RAINFALL (FOR PERIOD):	4.5 inches						



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 (October 23, 2024 - December 03, 2024)

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: All samples were collected during wet weather conditions during this monitoring period.

Analyte (units)	Sample 1		Sample 2					
	11/14/2024		11/14/2024					
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	14:00	564	15:35	316				
Total Suspended Solids (mg/L)	14:00	8.2	15:35	7.9				
Lead (mg/L)	14:00	ND	15:35	ND				
Hardness	14:00	40	15:35	16				

Notes:

Data Gaps

Calibration period occurred from 10/22-10/24.

Potential Illicit Discharges and Abnormal Events:

No illicit discharges or abnormal events this monitoring period.

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