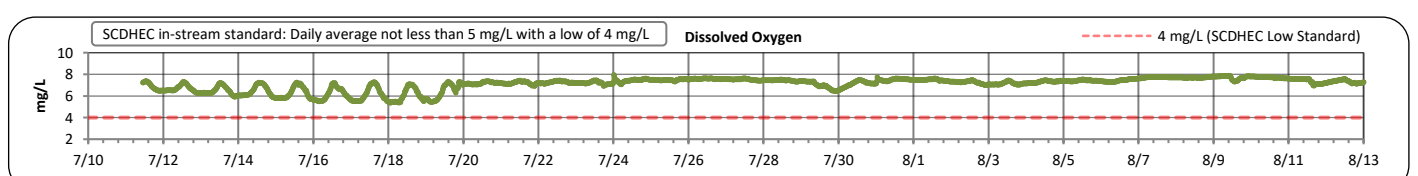
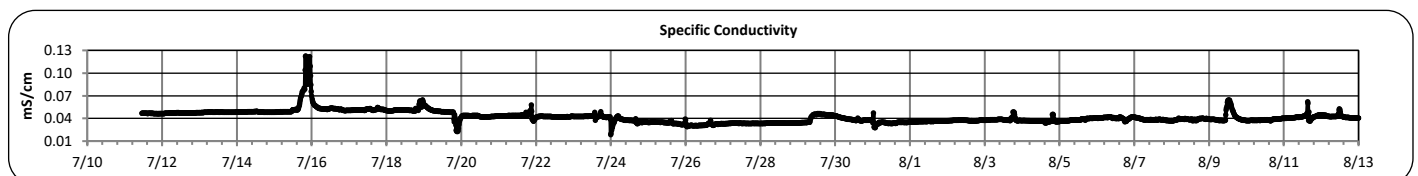
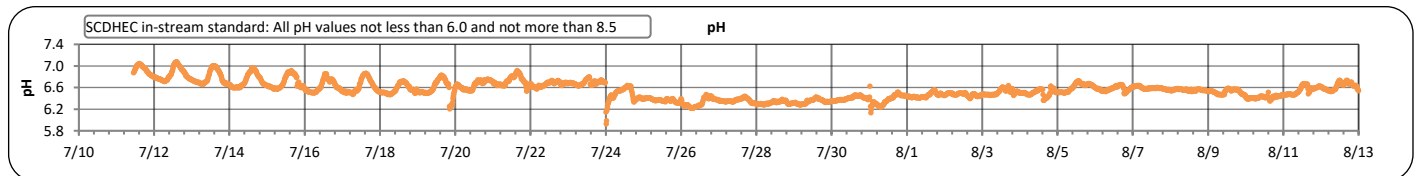
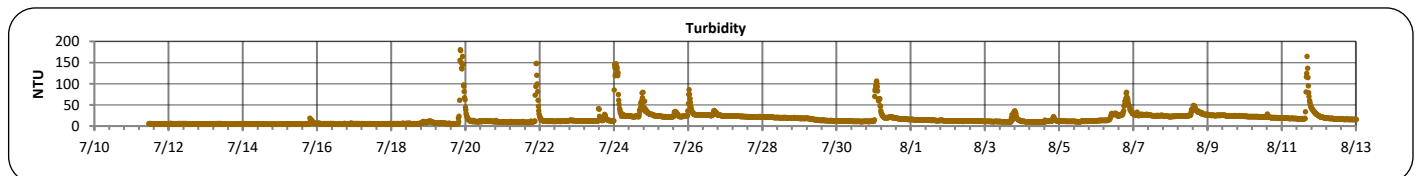
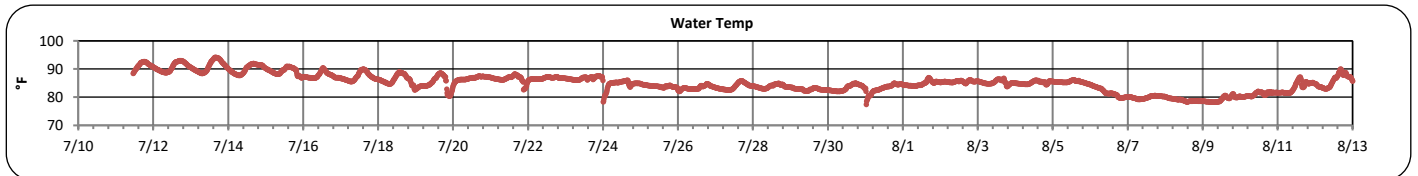
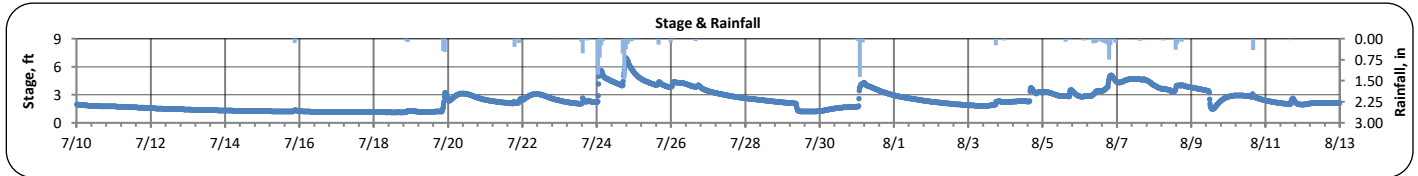


Continuous Water Quality Monitoring Periodic Report

Gills Creek A (July 10, 2024 - August 13, 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):	1.1	7.0	2.2	2.4	1.1
LOCATION:	Forest Drive Bridge	TEMPERATURE (°F):	77	94	85	85	3
ADDRESS:	4840 Forest Drive, Columbia, SC 29206	TURBIDITY (NTU):	4	181	13	18	16
COORDINATES:	34.019826, -80.963566	pH:	5.9	7.1	6.6	6.6	0.2
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen						
NEIGHBORING LANDUSE:	All samples were collected during wet weather conditions.	SPECIFIC CONDUCTIVITY (mS/cm):	0.019	0.123	0.041	0.042	0.008
APPROX. DRAINAGE AREA:	48 square miles						
SPATIAL LOCATION:	Sample 1	DISSOLVED OXYGEN (mg/L):	5.4	8.0	7.3	7.2	0.6
TOTAL NO. STORMS OVER 0.1 INCH:	8/6/2024						
MAX. DAILY RAINFALL:	5.0 inches						
TOTAL RAINFALL (FOR PERIOD):	0.5 1,310						



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 (July 10, 2024 - August 13, 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.

Analyte (units)	Sample 1							
	8/6/2024							
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	12:13	1,310						
Total Suspended Solids (mg/L)	12:13	22.0						
Lead (mg/L)	12:13	0.003						
Hardness (mg/L)	12:13	13.00						

Notes:

Data Gaps

Calibration period occurred from 7/9-7/11.

Potential Illicit Discharges and Abnormal Events:

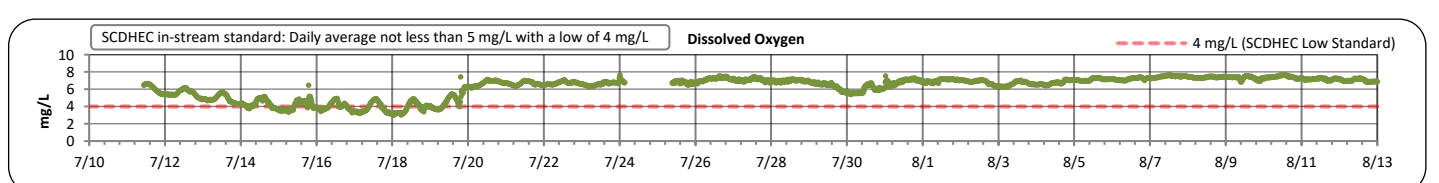
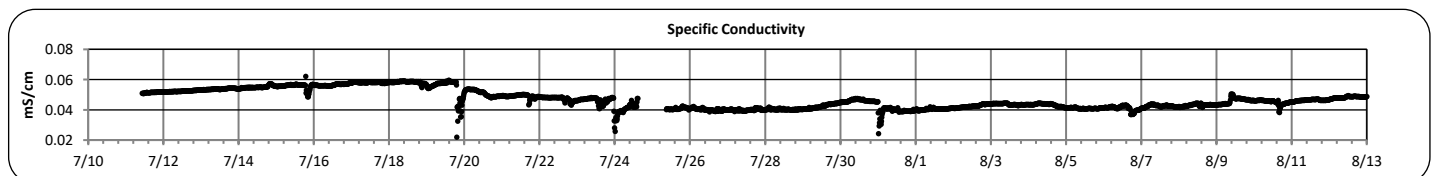
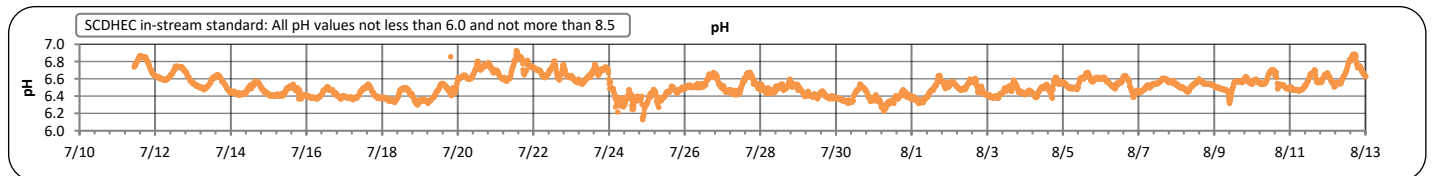
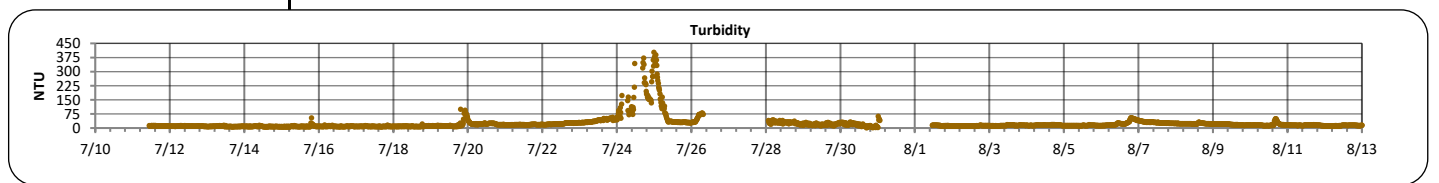
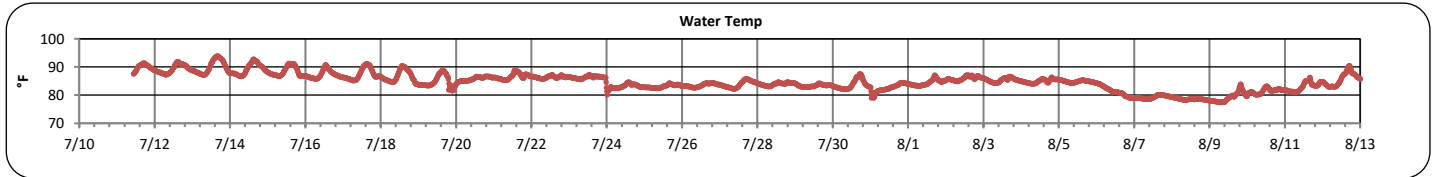
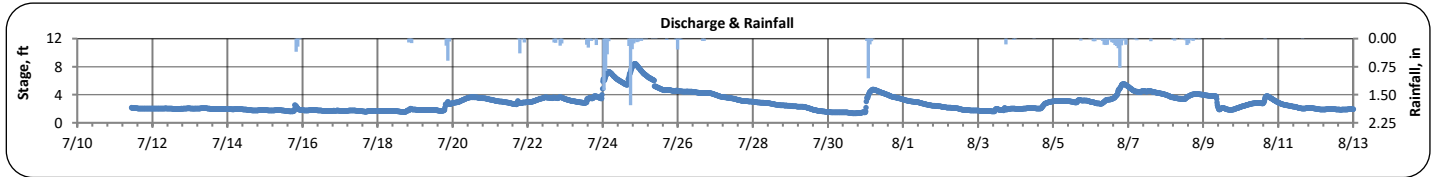
No abnormal events were observed during this monitoring period.

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 (July 10, 2024 - August 13, 2024)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Gills Creek	DISCHARGE (CFS):	1.4	8.4	2.5	2.9	1.2
LOCATION:	Devine Street bridge	TEMPERATURE (°F):	77	94	85	85	3
ADDRESS:	4716 Devine Street Columbia, SC 29209	TURBIDITY (NTU):	2	404	16	24	36
COORDINATES:	33.989656, -80.97433	pH:	6.1	6.9	6.5	6.5	0.1
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	SPECIFIC CONDUCTIVITY (mS/cm):	0.022	0.062	0.045	0.047	0.006
NEIGHBORING LANDUSE:	All samples were collected during wet weather conditions.	DISSOLVED OXYGEN (mg/L):	3.0	7.7	6.9	6.3	1.2
APPROX. DRAINAGE AREA:	59 square miles						
SPATIAL LOCATION:	Sample 1						
TOTAL NO. STORMS OVER 0.1 INCH:	8/6/2024						
MAX. DAILY RAINFALL:	5.4 inches						
TOTAL RAINFALL (FOR PERIOD):	0.5 1,310						



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 (July 10, 2024 - August 13, 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.

Analyte (units)	Sample 1							
	8/6/2024							
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	11:56	2,030						
Total Suspended Solids (mg/L)	11:56	28.0						
Lead (mg/L)	11:56	0.003						
Hardness (mg/L)	11:56	13						

Notes:

Data Gaps

Calibration period occurred from 7/9-7/11. Data gap present on 7/24-7/25 for specific conductivity and dissolved oxygen due to sensor fouling. Data gap present during 7/26-7/28 and 7/31-8/1 for turbidity due to partial unsubmergence.

Potential Illicit Discharges and Abnormal Events:

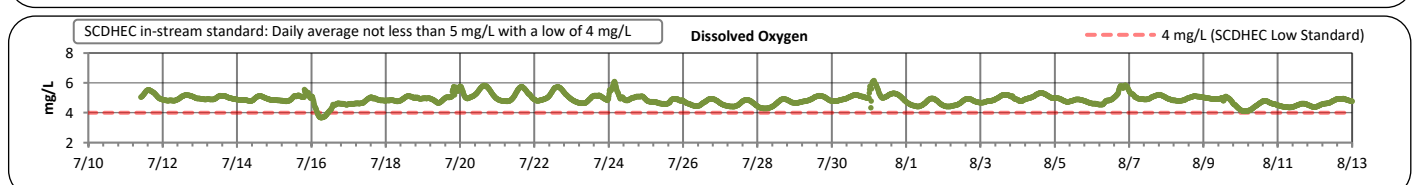
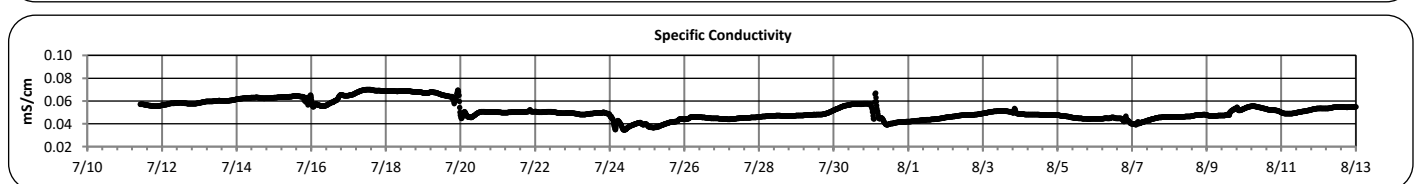
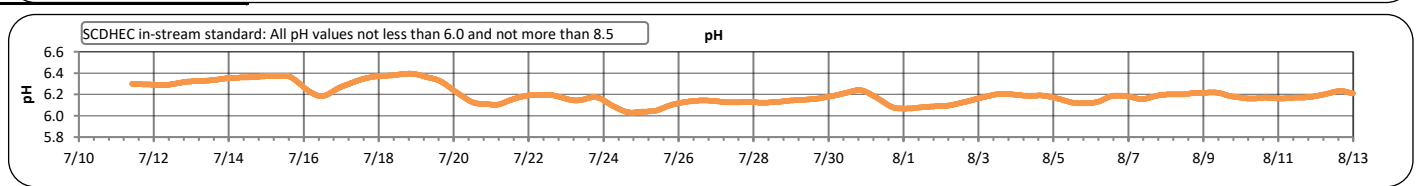
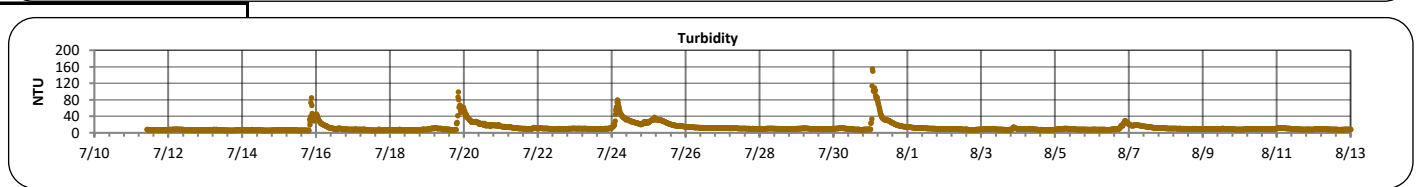
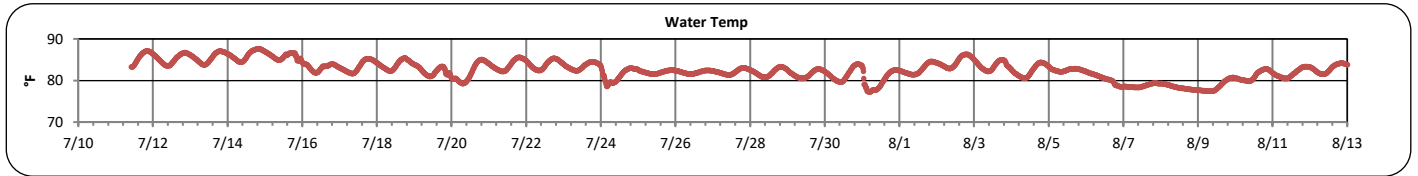
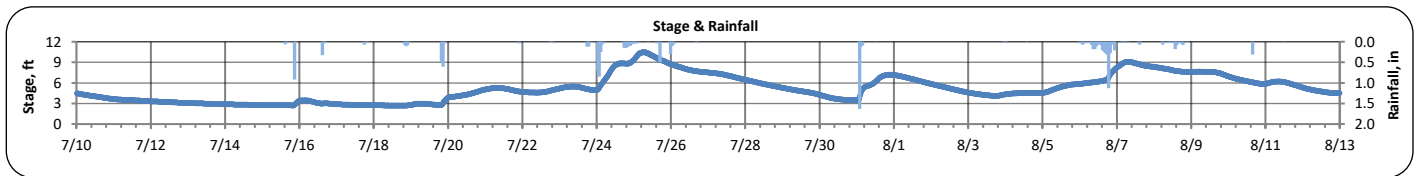
No abnormal events were observed during this monitoring period.

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 (July 10, 2024 - August 13, 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):	2.7	10.5	4.9	5.2	1.9
LOCATION:	Bluff Road bridge	TEMPERATURE (°F):	77	88	83	83	2
ADDRESS:	3009 Bluff Rd. Columbia, SC 29209	TURBIDITY (NTU):	6	155	10	13	11
COORDINATES:	33.948043, -80.9889	pH:	6.0	6.4	6.2	6.2	0.1
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen	SPECIFIC CONDUCTIVITY (mS/cm):	0.035	0.070	0.050	0.052	0.008
NEIGHBORING LANDUSE:	All samples were collected during wet weather conditions.	DISSOLVED OXYGEN (mg/L):	3.7	6.2	4.9	4.9	0.3
APPROX. DRAINAGE AREA:	64 square miles						
SPATIAL LOCATION:	Sample 1						
TOTAL NO. STORMS OVER 0.1 INCH:	8/6/2024						
MAX. DAILY RAINFALL:	3.7 inches						
TOTAL RAINFALL (FOR PERIOD):	0.5 1,310						



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 (July 10, 2024 - August 13, 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: No samples were collected during this monitoring period.

Analyte (units)								
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)								
Total Suspended Solids (mg/L)								
Lead (mg/L)								
Hardness (mg/L)								

Notes:

Data Gaps

Calibration period occurred from 7/9-7/11.

Potential Illicit Discharges and Abnormal Events:

No abnormal events were observed during this monitoring period.

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