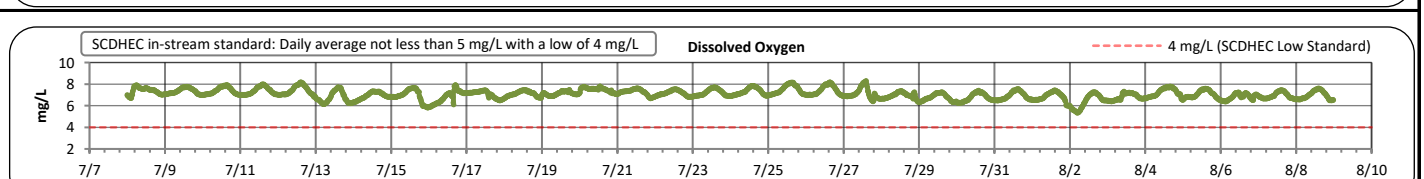
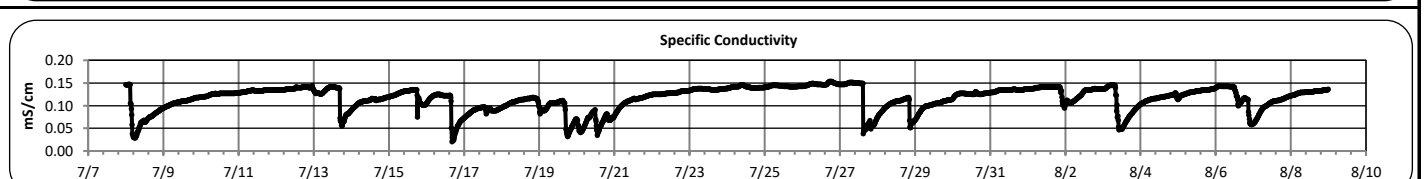
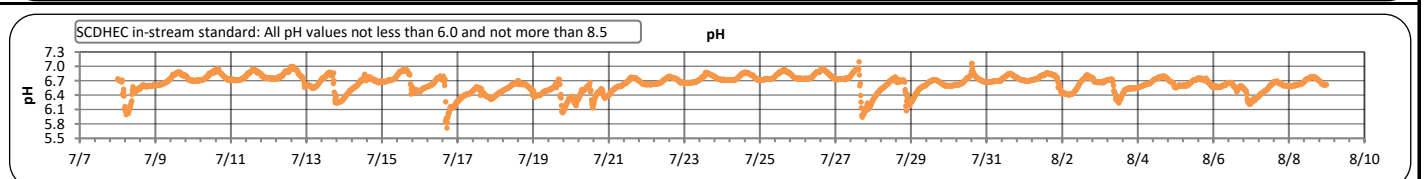
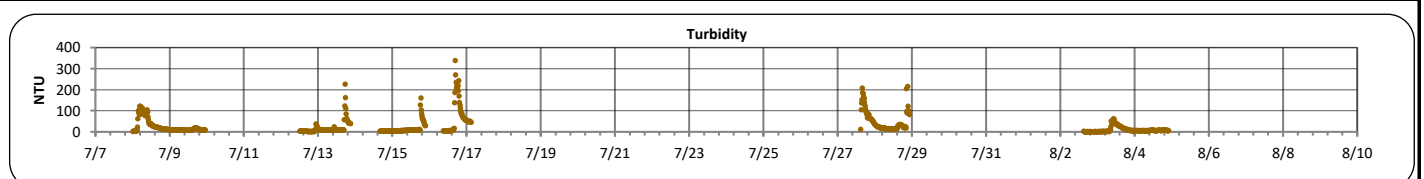
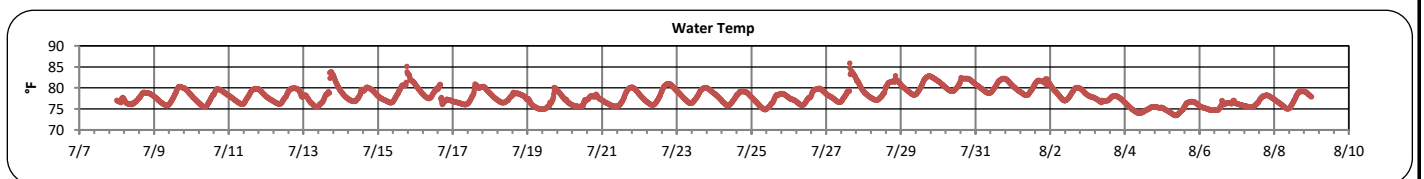
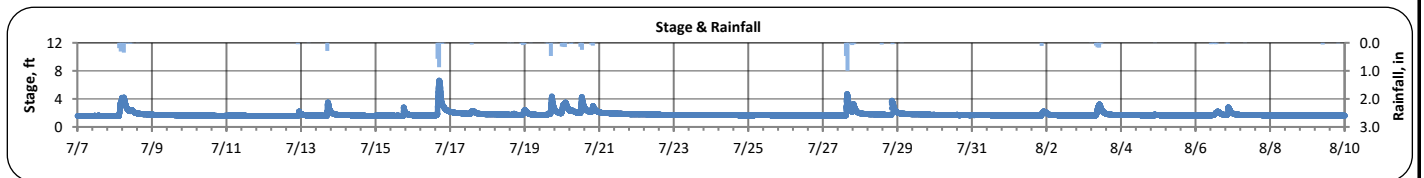


Smith Branch A (July 7, 2021 - August 9, 2021)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Smith Branch	STAGE (FT):	1.6	6.7	1.7	1.8	0.4
LOCATION:	Earlewood Park	TEMPERATURE (°F):	73	86	78	78	2
ADDRESS:	1111 Parkside Dr Columbia, SC 29201	TURBIDITY (NTU):	1	340	9	26	41
COORDINATES:	34.027289,-81.04265	pH:	5.7	7.1	6.7	6.6	0.2
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.021	0.153	0.124	0.116	0.026
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	5.4	8.3	7.1	7.1	0.5
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	12						
MAX. DAILY RAINFALL:	1.6 inches						
TOTAL RAINFALL (FOR PERIOD):	7.6 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**

Smith Branch A (July 7, 2021 - August 9, 2021)

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		Sample 3		Sample 4	
	7/20/2021		8/3/2021		8/3/2021		8/3/2021	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	13:08	10,950	9:01	4,718	10:09	11,590	11:22	6,564
Total Suspended Solids (mg/L)	13:08	155	9:01	75.6	10:09	111	11:22	50
Total Phosphorus (mg/L)			9:01	0.18	10:09	0.18	11:22	0.12
Total Nitrogen (mg/L)			9:01	2.36	10:09	1.9	11:22	1.13

Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4	
	8/3/2021							
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	12:39	5,510						
Total Suspended Solids (mg/L)	12:39	23						
Total Phosphorus (mg/L)	12:39	0.086						
Total Nitrogen (mg/L)	12:39	0.749						

All samples were collected during wet weather conditions.

**Continuous Water Quality
Monitoring Periodic Report**

Smith Branch A (July 7, 2021 - August 9, 2021)

Notes:

Data Gaps

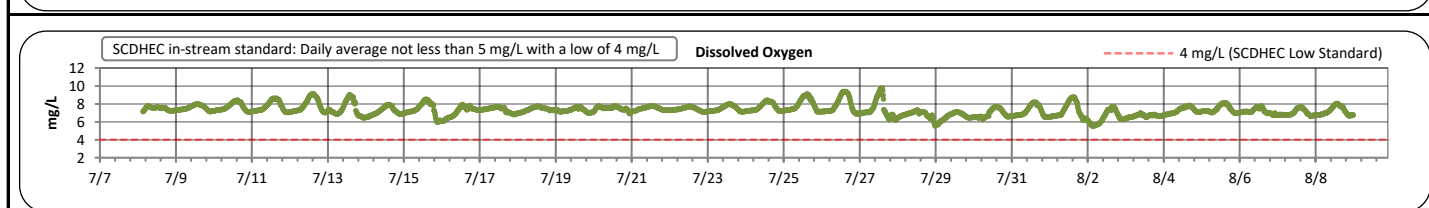
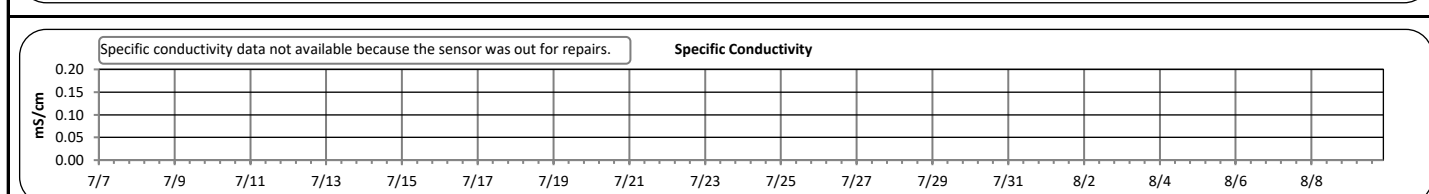
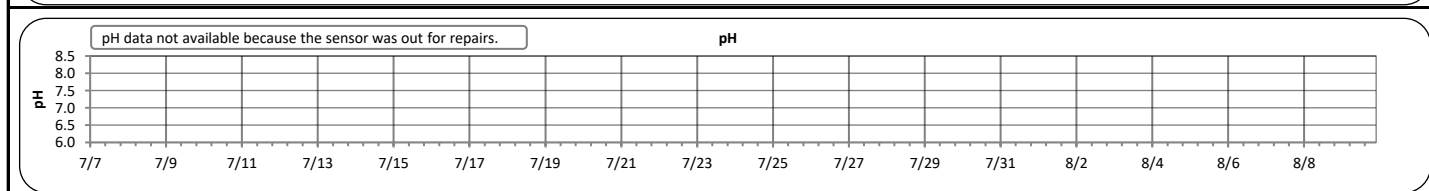
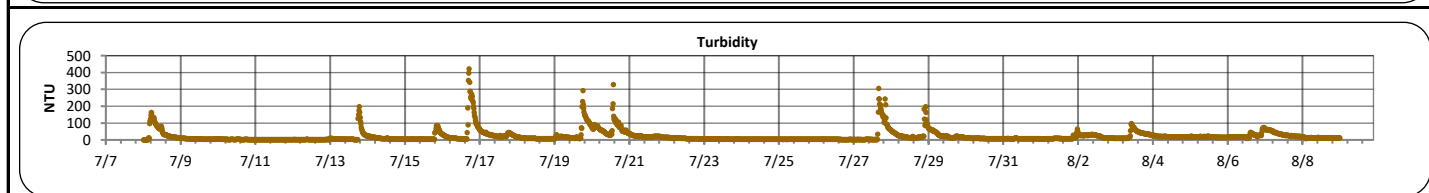
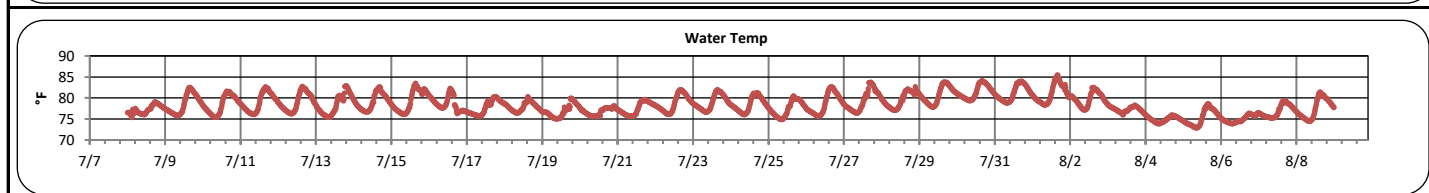
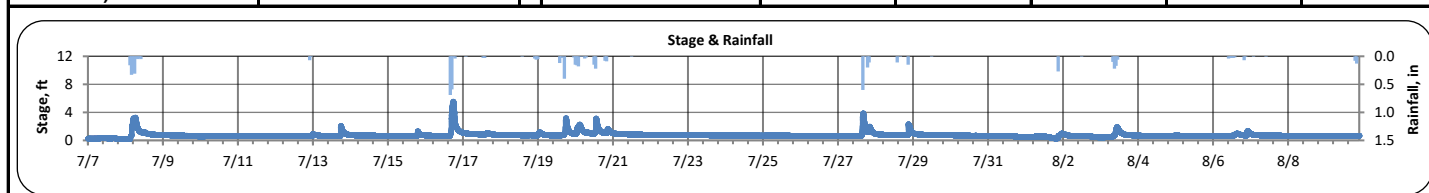
The turbidity sensor's wiper malfunctioned which caused multiple periods of turbidity fouling that were removed on July 10th-11th, July 13th-14th, July 17th-27th, July 28th - August 2nd, and August 4th-9th.

Potential Illicit Discharges and Abnormal Events:

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

Smith Branch B (July 7, 2021 - August 9, 2021)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Smith Branch	STAGE (FT):	0.2	5.6	0.7	0.8	0.4
LOCATION:	Off Mountain Drive	TEMPERATURE (°F):	73	86	78	78	2
NEAREST ADDRESS:	3950 Clement Rd Columbia, SC 29203	TURBIDITY (NTU):	1	422	11	22	35
COORDINATES:	34.037933,-81.0591	pH:	-	-	-	-	-
TMDL/IMPAIEMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	-	-	-	-	-
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	5.5	9.8	7.3	7.3	0.6
SPATIAL LOCATION:	Most Downstream Site						
TOTAL NO. STORMS OVER 0.1 INCH:	14						
MAX. DAILY RAINFALL:	1.3 inches						
TOTAL RAINFALL (FOR PERIOD):	7.1 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**

Smith Branch B (July 7, 2021 - August 9, 2021)

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		Sample 3		Sample 4	
	8/3/2021		8/3/2021		8/3/2021		8/3/2021	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	9:15	2,666	10:21	15,400	11:44	12,260	12:54	4,978
Total Suspended Solids (mg/L)	9:15	22.6	10:21	139	11:44	68	12:54	36
Total Phosphorus (mg/L)	9:15	0.094	10:21	0.27	11:44	0.15	12:54	0.11
Total Nitrogen (mg/L)	9:15	1.04	10:21	1.75	11:44	1.09	12:54	0.94

All samples were collected during wet weather conditions.

Notes:

Data Gaps

Specific conductivity and pH data were not collected at the SMIB station because the sensors malfunctioned during this monitoring period.

Potential Illicit Discharges and Abnormal Events:

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