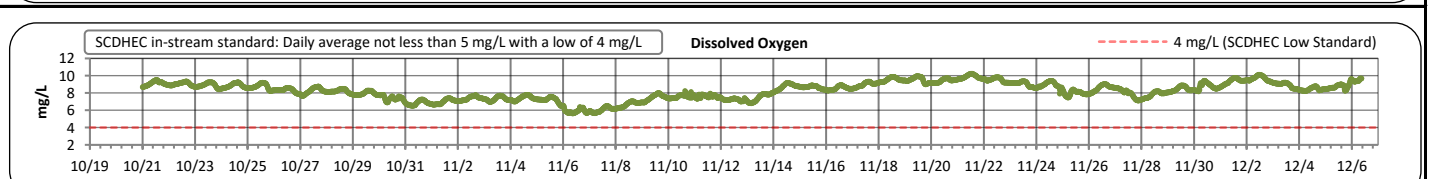
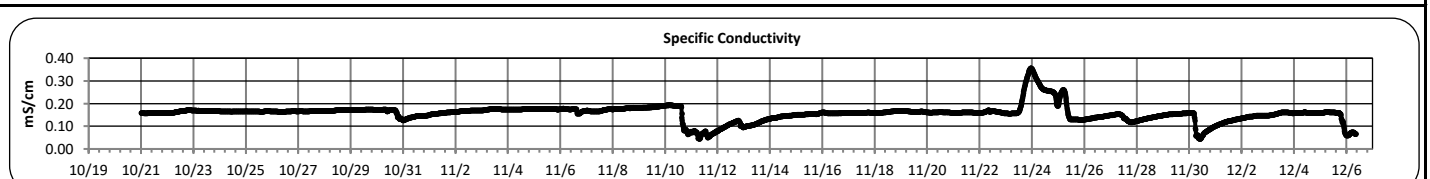
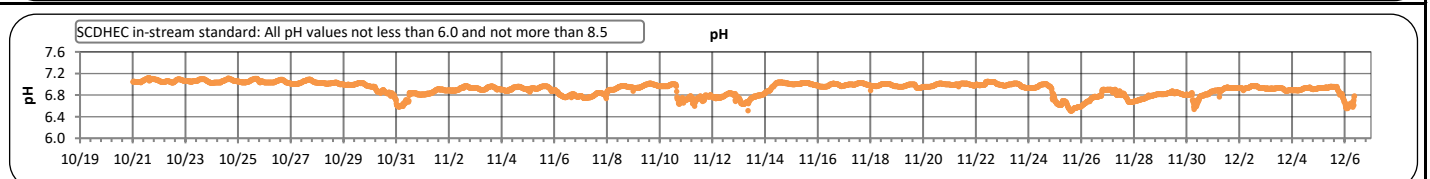
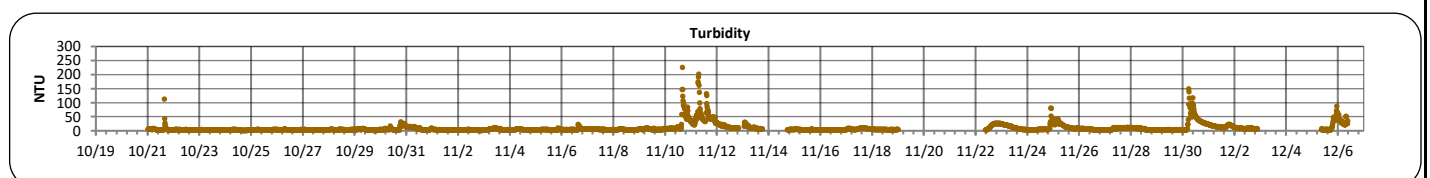
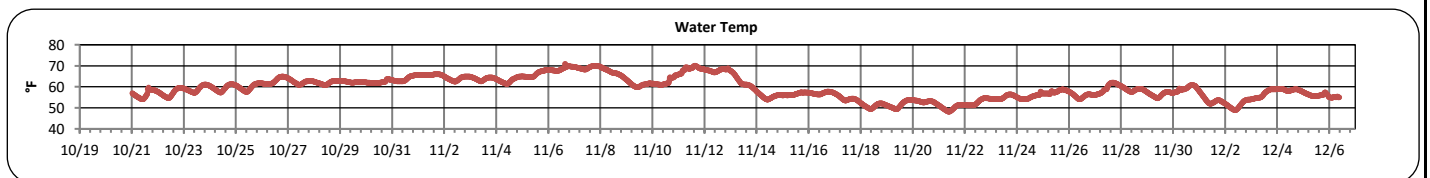
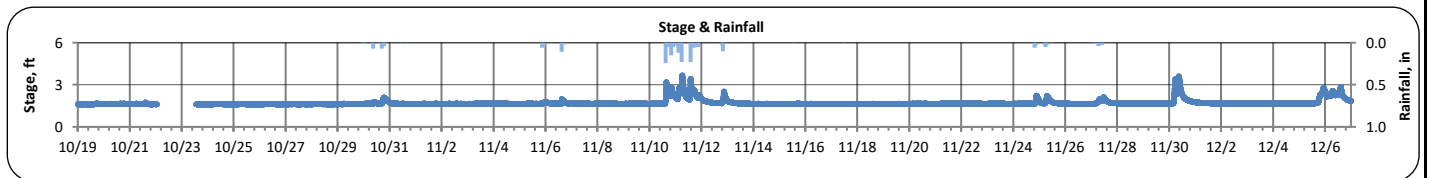


Continuous Water Quality Monitoring Periodic Report

Smith Branch 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:	Smith Branch	STAGE (FT):	1.6	3.7	1.6	1.7	0.2
LOCATION:	Earlewood Park	TEMPERATURE (°F):	48	71	59	59	5
ADDRESS:	1111 Parkside Dr Columbia, SC 29201	TURBIDITY (NTU):	2	226	5	10	16
COORDINATES:	34.027289,-81.04265	pH:	6.5	7.1	7.0	6.9	0.1
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.044	0.356	0.161	0.157	0.036
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	5.7	10.3	8.4	8.3	1.0
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	7						
MAX. DAILY RAINFALL:	0.9 inches						
TOTAL RAINFALL (FOR PERIOD):	0.4 398.000						



**Continuous Water Quality
Monitoring Periodic Report**

Smith Branch 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							
	11/10/2022							
	Time	Results						
<i>Escherichia coli</i> (MPN/100mL)	15:44	28,270						
Total Suspended Solids (mg/L)	15:44	300						
Total Phosphorus (mg/L)	15:44	0.67						
Total Nitrogen (mg/L)	15:44	2.70						

Sample 1 was collected during wet weather conditions.

Notes:

Data Gaps

There were data gaps in turbidity from 11/12-11/14, 11/19-11/22, and 12/3-12/5 due to sensor fouling.

There was a gap in stage data from 10/22 - 10/23 due to equipment communication failure.

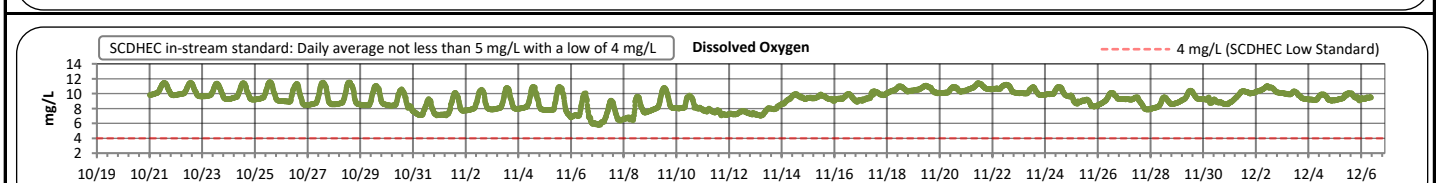
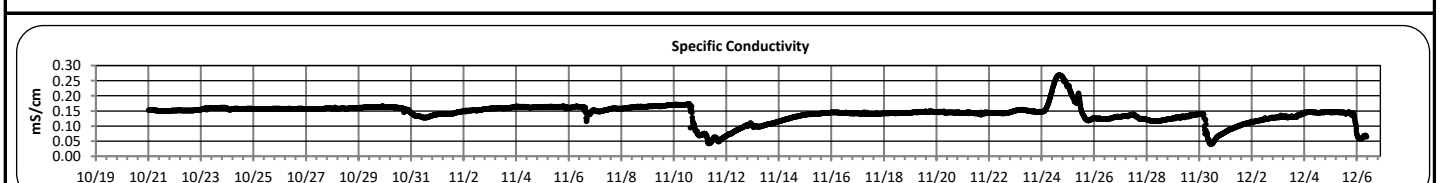
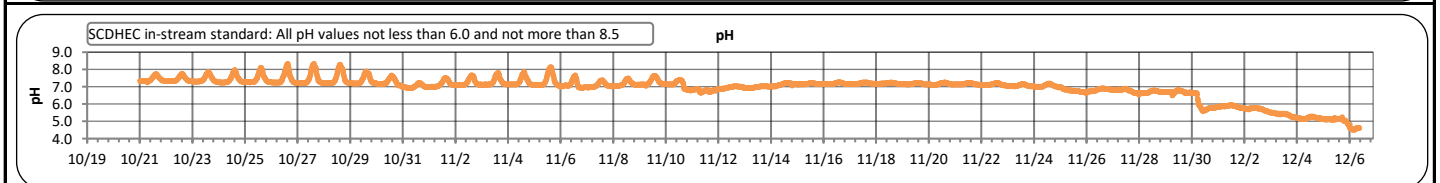
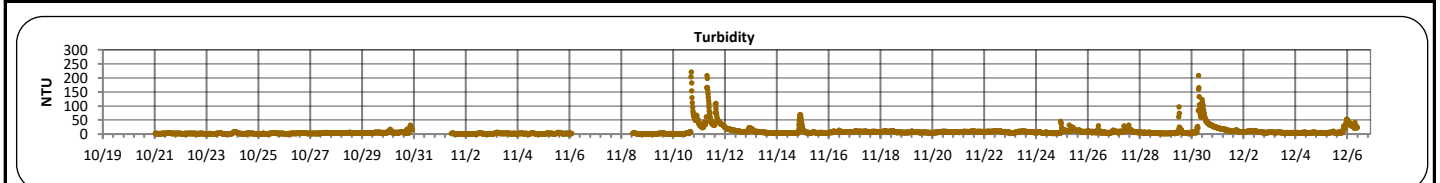
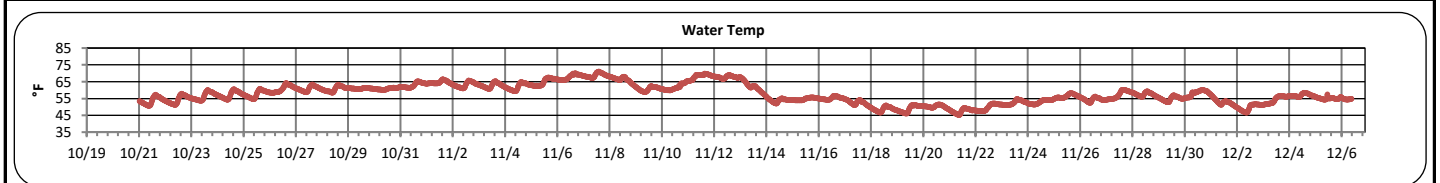
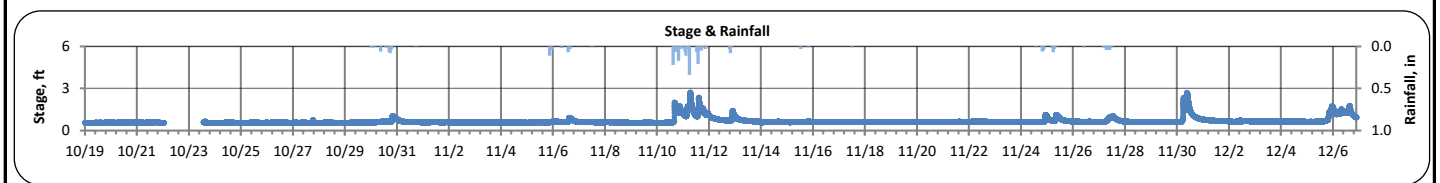
Potential Illicit Discharges and Abnormal Events:

There was a spike in specific conductivity from 11/23-11/25, which may be the result of an illicit discharge.

Continuous Water Quality Monitoring Periodic Report

Smith Branch 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:	Smith Branch	STAGE (FT):	0.6	2.7	0.6	0.7	0.2
LOCATION:	Off Mountain Drive	TEMPERATURE (°F):	45	71	57	58	6
NEAREST ADDRESS:	3950 Clement Rd Columbia, SC 29203	TURBIDITY (NTU):	1	221	5	9	16
COORDINATES:	34.037933,-81.0591	pH:	4.5	8.4	7.2	6.9	0.7
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.040	0.269	0.146	0.142	0.029
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	5.8	11.6	9.4	9.3	1.2
SPATIAL LOCATION:	Most Downstream Site						
TOTAL NO. STORMS OVER 0.1 INCH:	9						
MAX. DAILY RAINFALL:	1.0 inches						
TOTAL RAINFALL (FOR PERIOD):	0.4 398.000						



**Continuous Water Quality
Monitoring Periodic Report**

Smith Branch 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)	15:58	9,222						
Total Suspended Solids (mg/L)	15:58	244.0						
Total Phosphorus (mg/L)	15:58	0.35						
Total Nitrogen (mg/L)	15:58	2.49						

Sample 1 was collected during wet weather conditions.

Notes:

Data Gaps

There were data gaps in turbidity from 10/30-11/1 and 11/6-11/8 due to sensor fouling. There was a gap in stage data from 10/22 - 10/23 due to equipment communication failure.

Potential Illicit Discharges and Abnormal Events:

There was a spike in specific conductivity from 11/24-11/25, which may be the result of an illicit discharge.