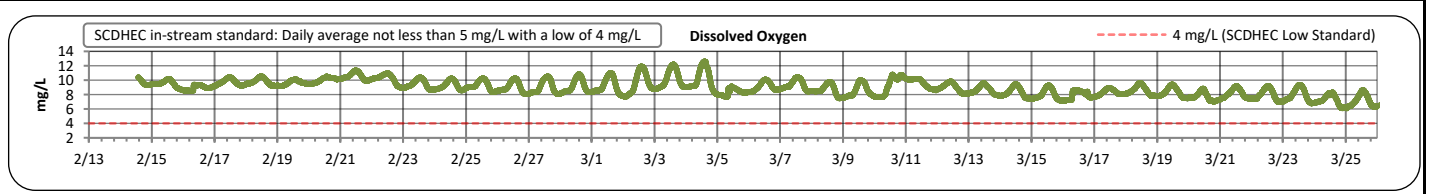
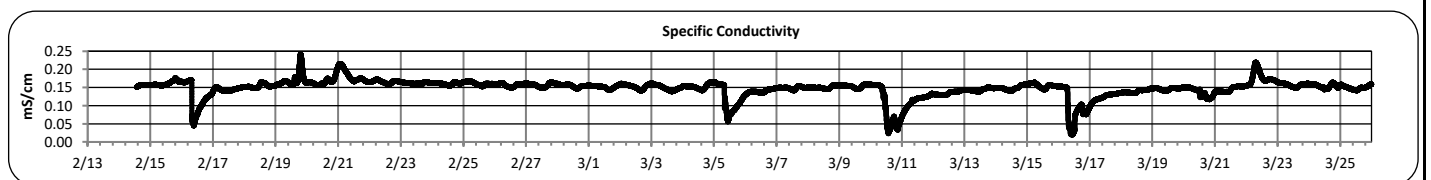
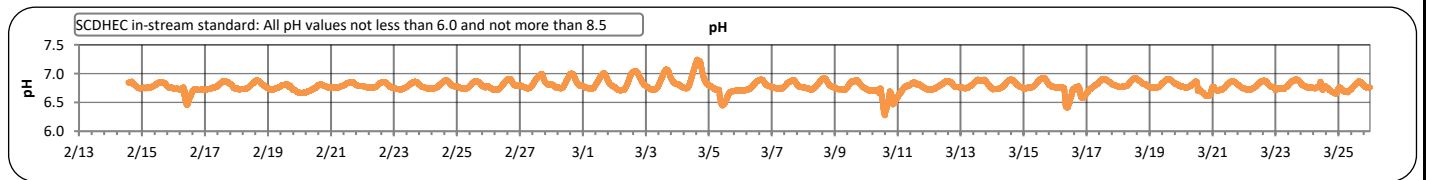
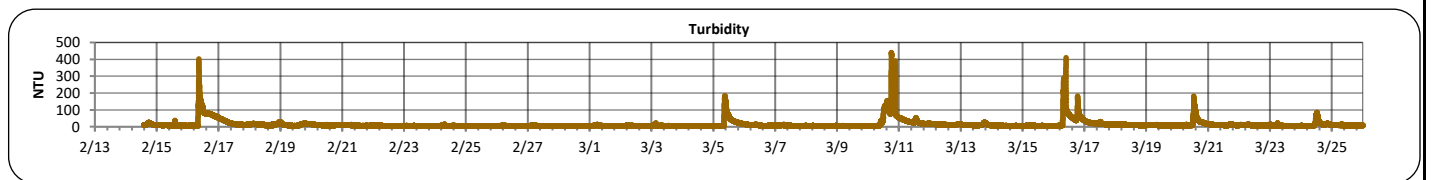
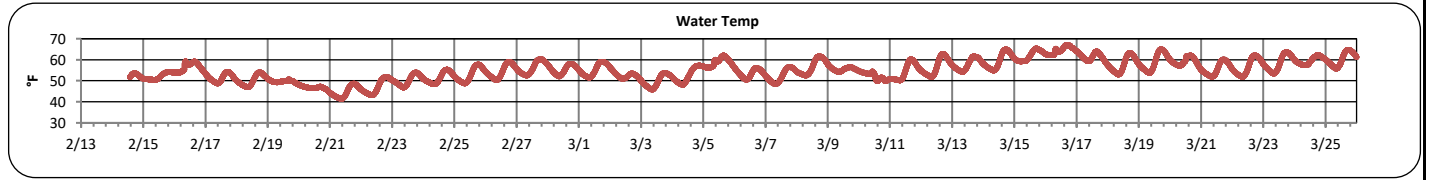
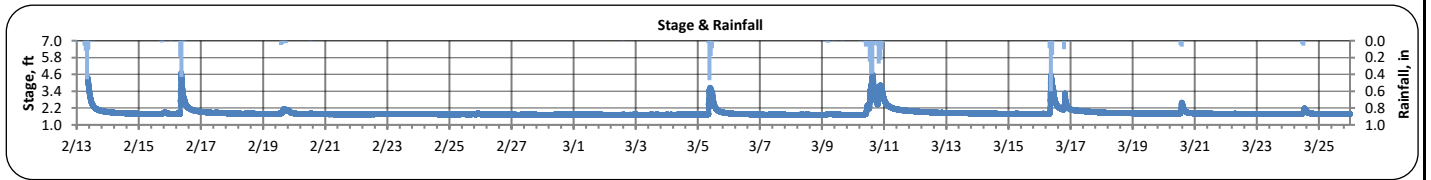


Continuous Water Quality Monitoring Periodic Report

Smith Branch A (February 13, 2025 - March 26, 2025)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Smith Branch	STAGE (FT):	1.7	4.7	1.8	1.9	0.3
LOCATION:	Earlewood Park	TEMPERATURE (°F):	41	67	55	55	5
ADDRESS:	1111 Parkside Dr Columbia, SC 29201	TURBIDITY (NTU):	4	440	8	15	26
COORDINATES:	34.027289,-81.04265	pH:	6.3	7.3	6.8	6.8	0.1
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.020	0.242	0.152	0.148	0.024
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	6.1	12.6	8.9	9.0	1.1
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	8						
MAX. DAILY RAINFALL:	1.9 inches						
TOTAL RAINFALL (FOR PERIOD):	5.6 inches						



**Continuous Water Quality
Monitoring Periodic Report**

Smith Branch A (February 13, 2025 - March 26, 2025)

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: Four wet weather samples were collected during this monitoring period.

Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4	
	2/19/2025		2/19/2025		2/19/2025		3/24/2025	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	14:02	2,420	15:12	2,420	12:12	2,420	11:30	828
Total Suspended Solids (mg/L)								
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

Notes:

Data Gaps

Calibration period occurred 2/12-2/14.

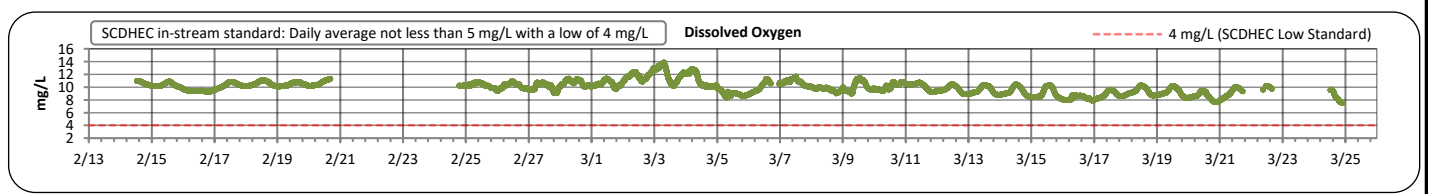
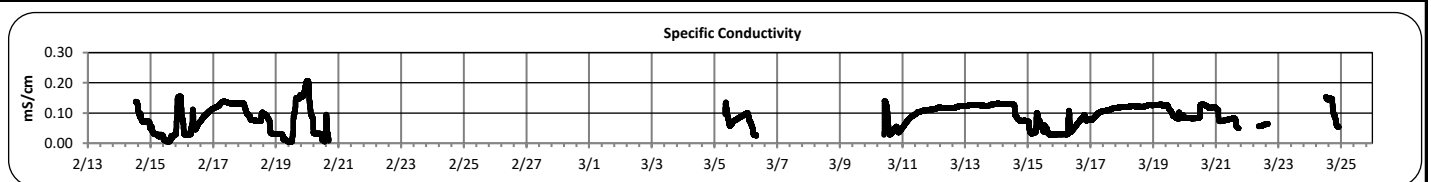
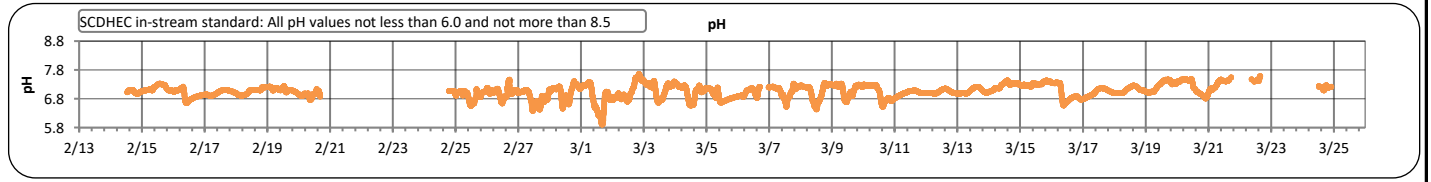
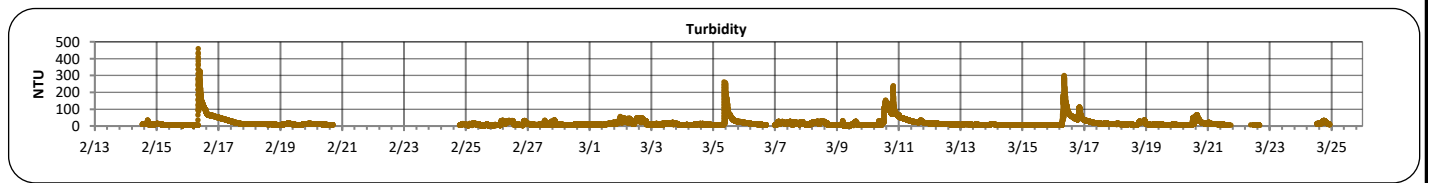
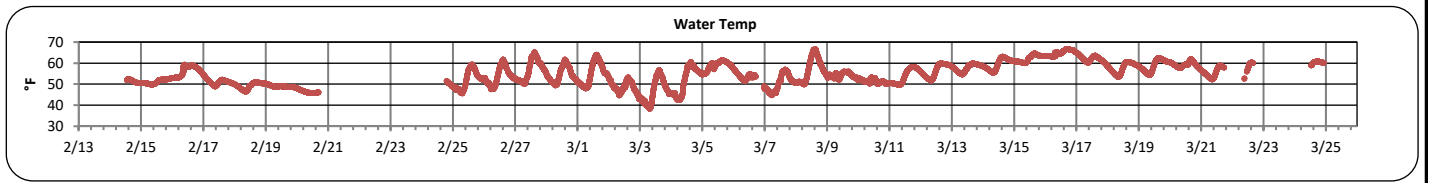
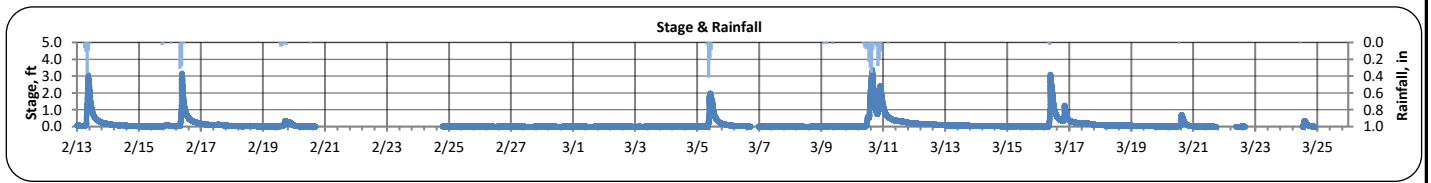
Potential Illicit Discharges and Abnormal Events:

Potential illicit discharge event visible on 2/21 within specific conductivity data, source unknown.

Continuous Water Quality Monitoring Periodic Report

Smith Branch B (February 13, 2025 - March 26, 2025)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Smith Branch	STAGE (FT):	0.0	3.4	0.0	0.1	0.3
LOCATION:	Off Mountain Drive	TEMPERATURE (°F):	38	67	55	55	5
NEAREST ADDRESS:	3950 Clement Rd Columbia, SC 29203	TURBIDITY (NTU):	4	461	11	19	27
COORDINATES:	34.037933,-81.0591	pH:	5.9	7.7	7.1	7.1	0.2
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.005	0.207	0.092	0.089	0.039
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	7.6	13.9	10.1	10.0	1.0
SPATIAL LOCATION:	Most Downstream Site						
TOTAL NO. STORMS OVER 0.1 INCH:	8						
MAX. DAILY RAINFALL:	1.8 inches						
TOTAL RAINFALL (FOR PERIOD):	5.6 inches						



**Continuous Water Quality
Monitoring Periodic Report**

Smith Branch B (February 13, 2025 - March 26, 2025)

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: Four wet weather samples were collected during this monitoring period.

Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4	
	2/19/2025		2/19/2025		2/19/2025		3/24/2025	
	Time	Results	Time	Results	Time	Results	Time	Results
<i>Escherichia coli</i> (MPN/100mL)	14:12	1,730	15:21	921	12:23	2,420	11:10	992
Total Suspended Solids (mg/L)								
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

Notes:

Data Gaps

Calibration period occurred 2/12-2/14. Gaps present in all data from 2/20-2/24 and 3/21-3/25 due to sonde unsubmergence. Multiple data gaps present in specific conductivity due to equipment failure.

Potential Illicit Discharges and Abnormal Events:

Potential illicit discharge visible in specific conductivity data on 1/28 due to runoff from adjacent de-icing attempts.