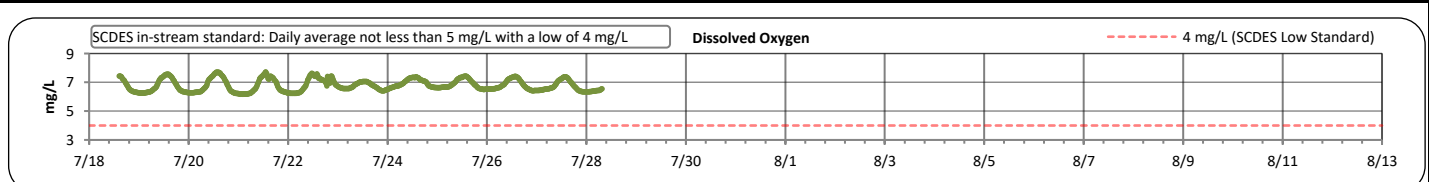
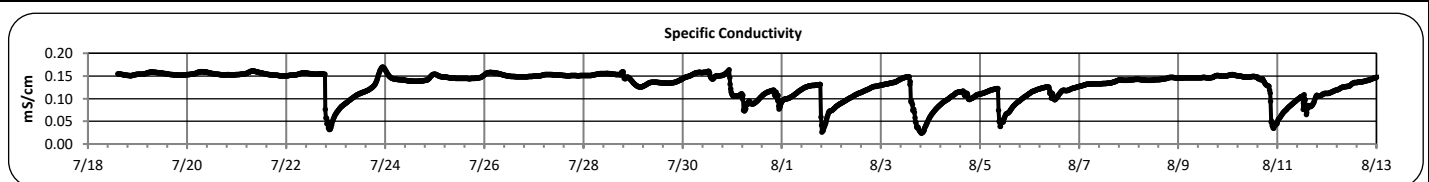
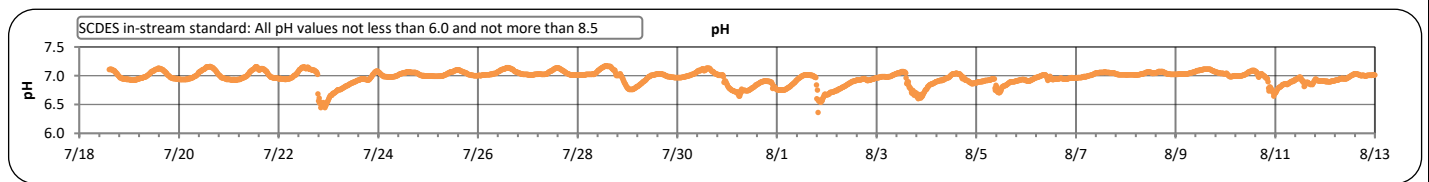
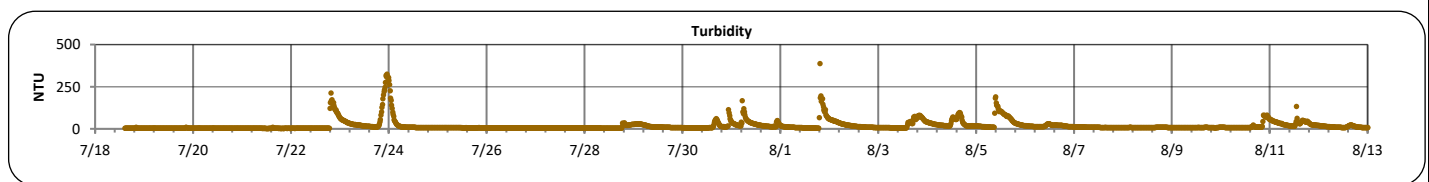
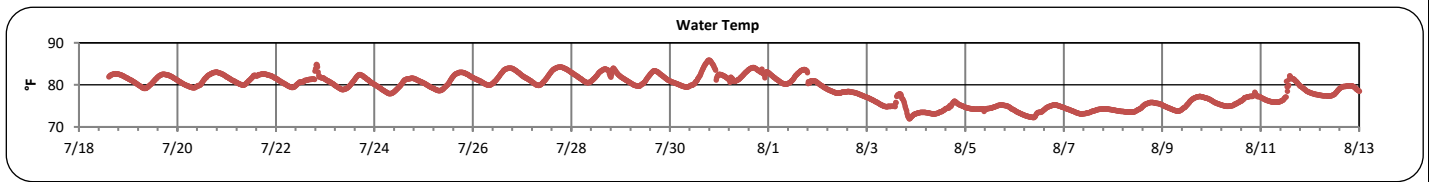
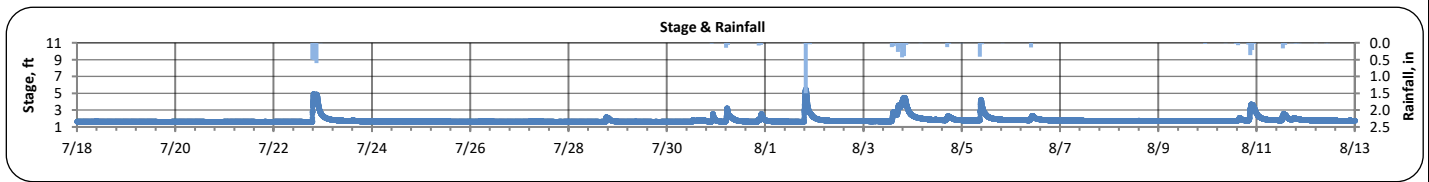




# Continuous Water Quality Monitoring Periodic Report

Smith Branch A (July 18, 2025 - August 13, 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):	1.6	5.5	1.7	1.8	0.4
LOCATION:	Earlewood Park	TEMPERATURE (°F):	72	86	80	79	3
ADDRESS:	1111 Parkside Dr Columbia, SC 29201	TURBIDITY (NTU):	3	389	9	20	32
COORDINATES:	34.027289,-81.04265	pH:	6.4	7.2	7.0	7.0	0.1
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.024	0.170	0.142	0.130	0.028
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	6.2	7.7	6.7	6.8	0.4
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	11						
MAX. DAILY RAINFALL:	1.6 inches						
TOTAL RAINFALL (FOR PERIOD):	7.0 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 18, 2025 - August 13, 2025)**

**Explanation of Statistics:**

<b>MINIMUM OBSERVED</b>	The minimum of the values recorded by the datasonde in 15 minute intervals.
<b>MAXIMUM OBSERVED</b>	The maximum of the values recorded by the datasonde in 15 minute intervals.
<b>MEDIAN OBSERVED</b>	The median of all the values recorded by the datasonde in 15 minute intervals.
<b>MEAN OBSERVED</b>	The average of all the values recorded by the datasonde in 15 minute intervals.
<b>STANDARD DEVIATION</b>	The standard deviation of all the values recorded by the datasonde in 15 minute intervals.

**Sampled Data:** Three wet weather samples were collected during this monitoring period.

Analyte (units)	Sample 1		Sample 2		Sample 3			
	8/11/2025		8/11/2025		8/11/2025			
	Time	Result	Time	Result	Time	Result	Time	Result
<i>Escherichia coli</i> (MPN/100mL)	10:43	1,280	11:48	768	15:05	7,750		
Total Suspended Solids (mg/L)								
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

**Notes:**

Data Gaps

Calibration period occurred from 7/16-7/18. Data gap occurred in dissolved oxygen data on 7/28 - 8/13 due to sensor removal.

Potential Illicit Discharges and Abnormal Events:

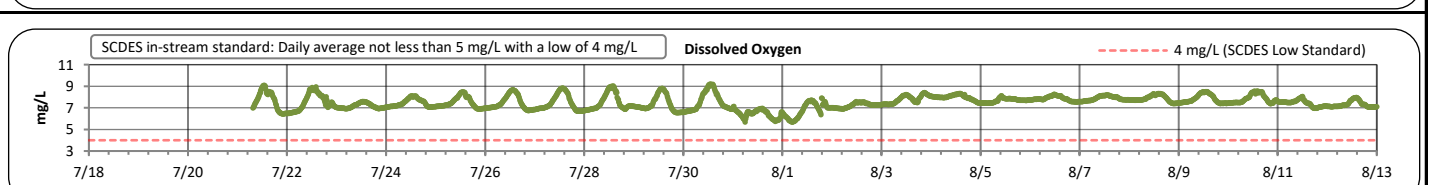
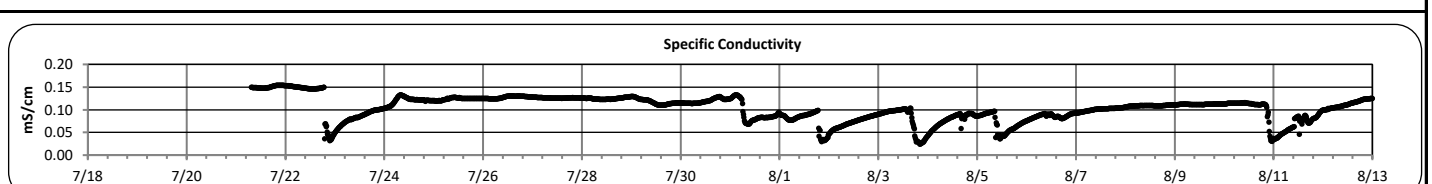
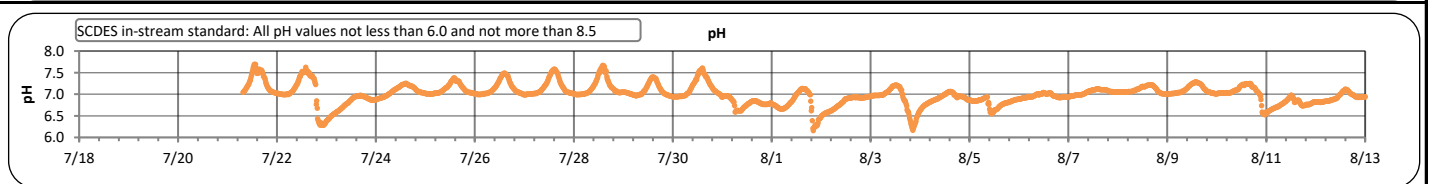
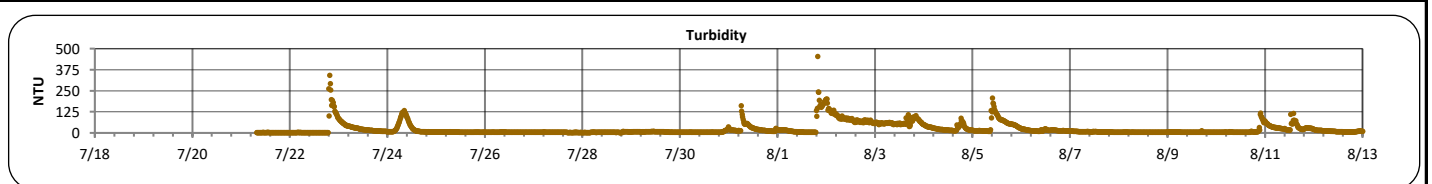
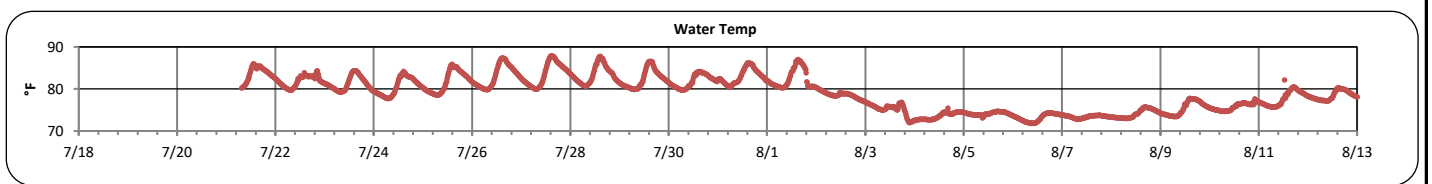
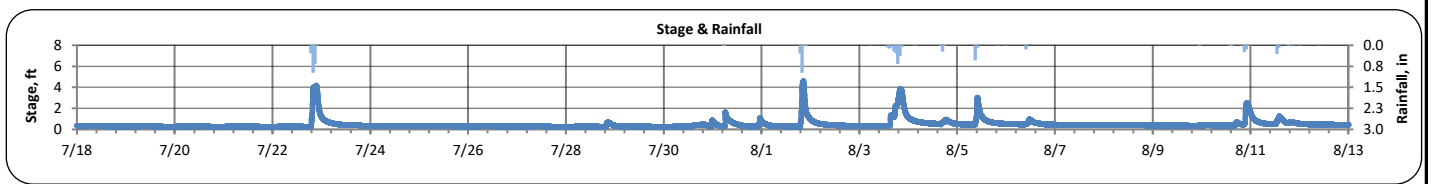
Potential illicit discharge visible on 7/24 in turbidity and specific conductivity data, source unknown.



# Continuous Water Quality Monitoring Periodic Report

Smith Branch B (July 18, 2025 - August 13, 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):	0.3	4.6	0.4	0.5	0.4
LOCATION:	Off Mountain Drive	TEMPERATURE (°F):	72	88	79	79	4
NEAREST ADDRESS:	3950 Clement Rd Columbia, SC 29203	TURBIDITY (NTU):	2	455	8	23	36
COORDINATES:	34.037933,-81.0591	pH:	6.2	7.7	7.0	7.0	0.2
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.024	0.154	0.110	0.103	0.027
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	5.7	9.2	7.5	7.5	0.6
SPATIAL LOCATION:	Most Downstream Site						
TOTAL NO. STORMS OVER 0.1 INCH:	8						
MAX. DAILY RAINFALL:	1.9 inches						
TOTAL RAINFALL (FOR PERIOD):	7.2 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 18, 2025 - August 13, 2025)**

**Explanation of Statistics:**

<b>MINIMUM OBSERVED</b>	The minimum of the values recorded by the datasonde in 15 minute intervals.
<b>MAXIMUM OBSERVED</b>	The maximum of the values recorded by the datasonde in 15 minute intervals.
<b>MEDIAN OBSERVED</b>	The median of all the values recorded by the datasonde in 15 minute intervals.
<b>MEAN OBSERVED</b>	The average of all the values recorded by the datasonde in 15 minute intervals.
<b>STANDARD DEVIATION</b>	The standard deviation of all the values recorded by the datasonde in 15 minute intervals.

**Sampled Data:** Three wet weather samples were collected during this monitoring period.

Analyte (units)	Sample 1		Sample 2		Sample 3			
	8/11/2025		8/11/2025		8/11/2025			
	Time	Result	Time	Result	Time	Result	Time	Result
<i>Escherichia coli</i> (MPN/100mL)	10:58	1,920	12:04	1,350	14:50	9,220		
Total Suspended Solids (mg/L)								
Total Phosphorus (mg/L)								
Total Nitrogen (mg/L)								

**Notes:**

Data Gaps

Calibration period occurred from 7/16-7/18. Sonde not redeployed until 7/21 this monitoring period due to equipment maintenance being performed.

Potential Illicit Discharges and Abnormal Events:

Potential illicit discharge visible on 7/24 in turbidity and specific conductivity data, source unknown.