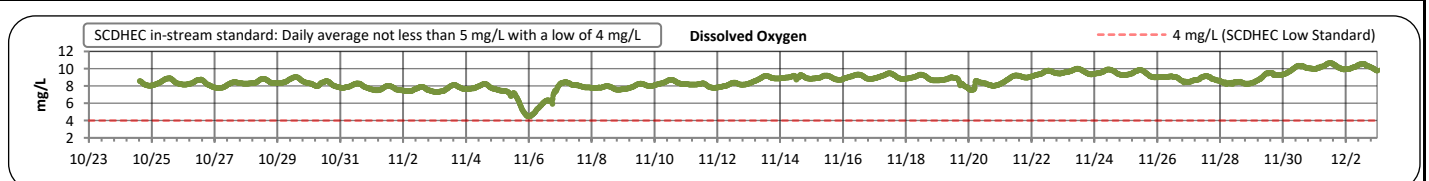
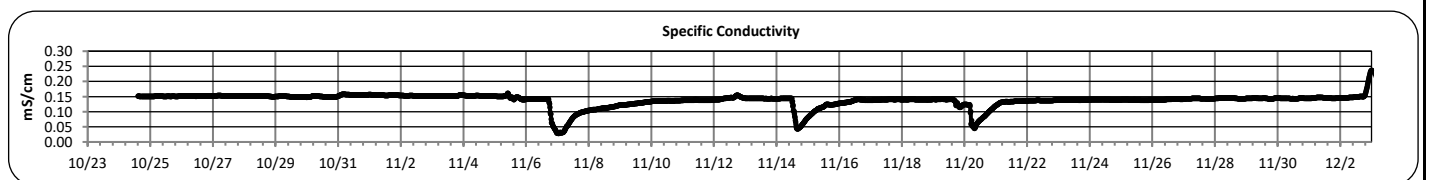
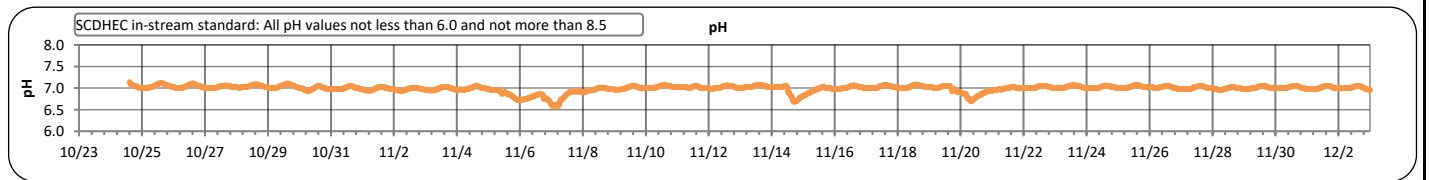
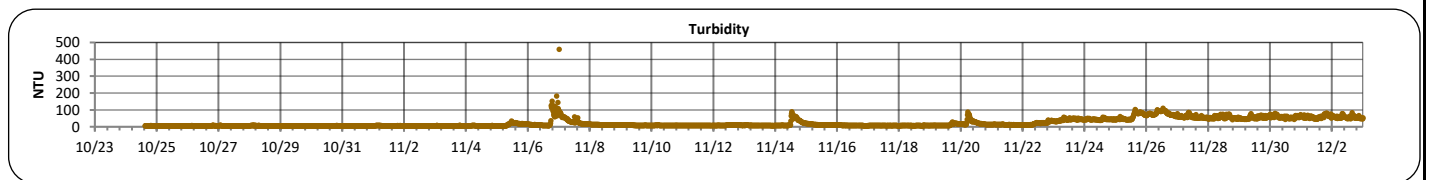
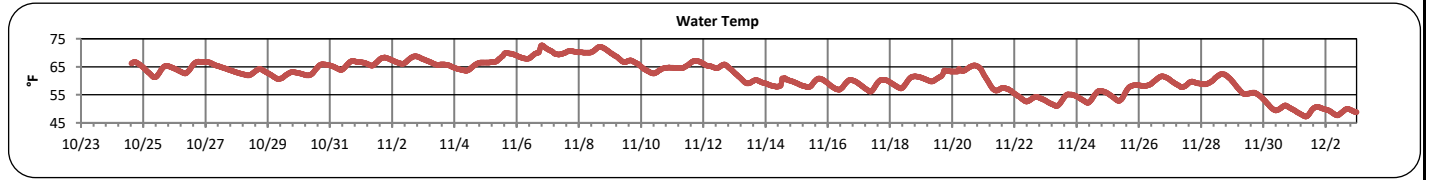
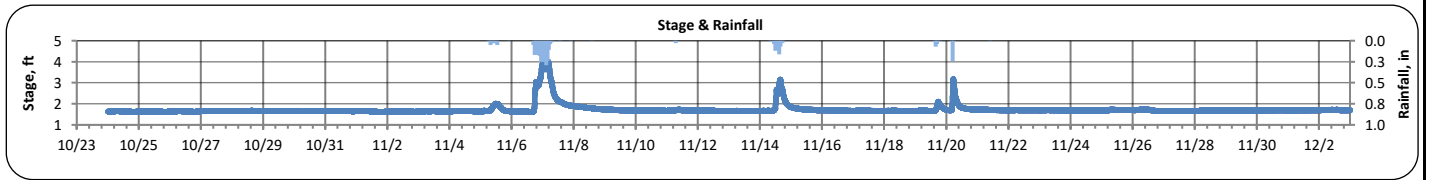


# Continuous Water Quality Monitoring Periodic Report

Smith Branch A (October 23, 2024 - December 03, 2024)

| 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                | 4.1              | 1.7             | 1.7           | 0.3                |
| LOCATION:                       | Earlewood Park                         | TEMPERATURE (°F):                    | 47                 | 73               | 62              | 61            | 6                  |
| ADDRESS:                        | 1111 Parkside Dr<br>Columbia, SC 29201 | TURBIDITY (NTU):                     | 4                  | 459              | 9               | 24            | 25                 |
| COORDINATES:                    | 34.027289,-81.04265                    | pH:                                  | 6.6                | 7.2              | 7.0             | 7.0           | 0.1                |
| TMDL/IMPAIRMENT:                | Fecal Coliform                         | SPECIFIC CONDUCTIVITY (mS/cm):       | 0.028              | 0.238            | 0.143           | 0.139         | 0.022              |
| NEIGHBORING LANDUSE:            | Residential and commercial             | DISSOLVED OXYGEN (mg/L):             | 4.5                | 10.7             | 8.5             | 8.6           | 0.9                |
| SPATIAL LOCATION:               | Most upstream site                     |                                      |                    |                  |                 |               |                    |
| TOTAL NO. STORMS OVER 0.1 INCH: | 8                                      |                                      |                    |                  |                 |               |                    |
| MAX. DAILY RAINFALL:            | 1.4 inches                             |                                      |                    |                  |                 |               |                    |
| TOTAL RAINFALL (FOR PERIOD):    | 3.8 inches                             |                                      |                    |                  |                 |               |                    |



**Continuous Water Quality  
Monitoring Periodic Report**

**Smith Branch A (October 23, 2024 - December 03, 2024)**

**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:** All samples were collected in wet weather conditions during this monitoring period.

| Analyte (units)                     | Sample 1   |         | Sample 2   |         |      |         |      |         |
|-------------------------------------|------------|---------|------------|---------|------|---------|------|---------|
|                                     | 11/14/2024 |         | 11/14/2024 |         |      |         |      |         |
|                                     | Time       | Results | Time       | Results | Time | Results | Time | Results |
| <i>Escherichia coli</i> (MPN/100mL) | 15:03      | 22,400  | 13:58      | 15,400  |      |         |      |         |
| Total Suspended Solids (mg/L)       |            |         |            |         |      |         |      |         |
| Total Phosphorus (mg/L)             |            |         |            |         |      |         |      |         |
| Total Nitrogen (mg/L)               |            |         |            |         |      |         |      |         |

**Notes:**

Data Gaps

Calibration period occurred 10/22-10/24.

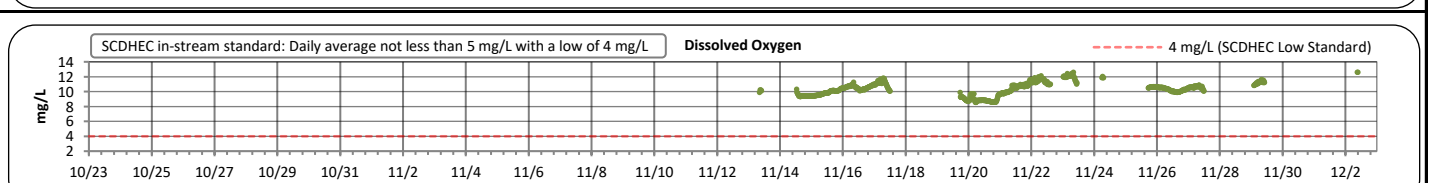
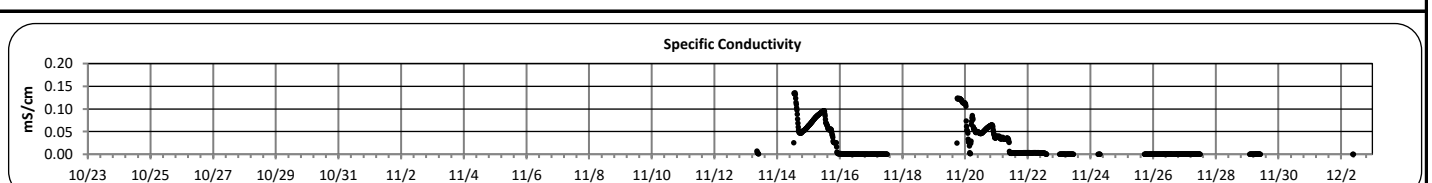
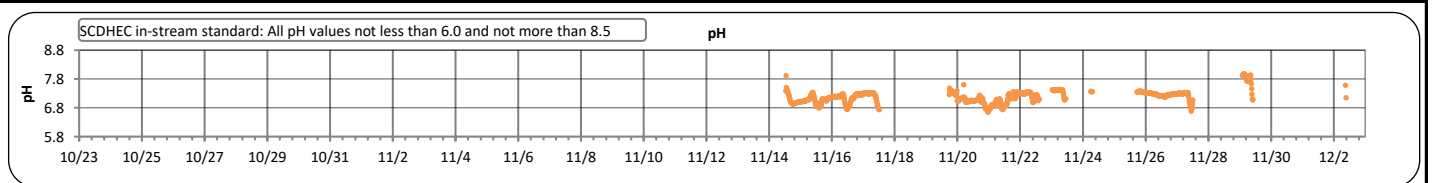
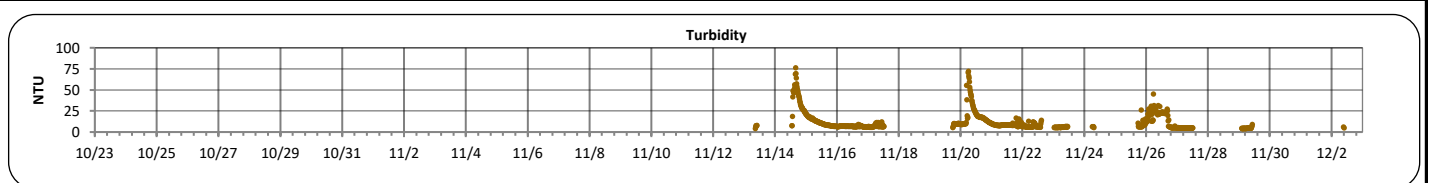
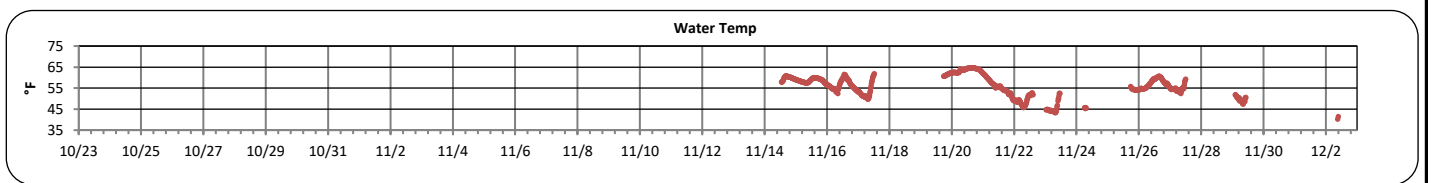
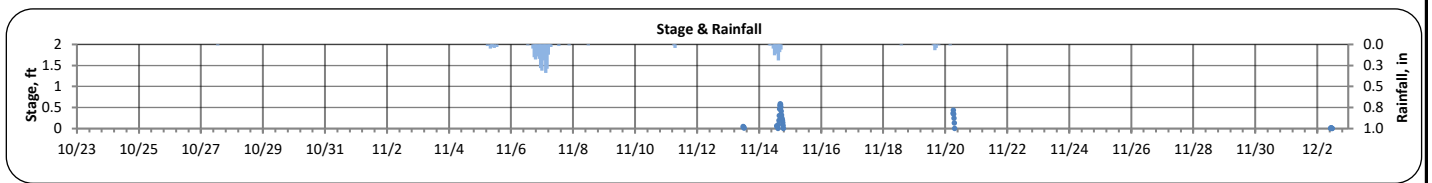
Potential Illicit Discharges and Abnormal Events:

No potential illicit discharges or abnormal events observed during this monitoring period.

# Continuous Water Quality Monitoring Periodic Report

Smith Branch B (October 23, 2024 - December 03, 2024)

| 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                | 0.6              | 0.1             | 0.2           | 0.2                |
| LOCATION:                       | Off Mountain Drive                    | TEMPERATURE (°F):                    | 37                 | 65               | 0               | 53            | 7                  |
| NEAREST ADDRESS:                | 3950 Clement Rd<br>Columbia, SC 29203 | TURBIDITY (NTU):                     | 2                  | 80               | 6               | 9             | 8                  |
| COORDINATES:                    | 34.037933,-81.0591                    | pH:                                  | 6.3                | 8.6              | 7.3             | 7.2           | 0.3                |
| TMDL/IMPAIRMENT:                | Fecal Coliform                        | SPECIFIC CONDUCTIVITY (mS/cm):       | 0.000              | 0.136            | 0.000           | 0.010         | 0.025              |
| NEIGHBORING LANDUSE:            | Residential and commercial            | DISSOLVED OXYGEN (mg/L):             | 8.6                | 13.4             | 10.7            | 10.8          | 1.0                |
| SPATIAL LOCATION:               | Most Downstream Site                  |                                      |                    |                  |                 |               |                    |
| TOTAL NO. STORMS OVER 0.1 INCH: | 8                                     |                                      |                    |                  |                 |               |                    |
| MAX. DAILY RAINFALL:            | 1.5 inches                            |                                      |                    |                  |                 |               |                    |
| TOTAL RAINFALL (FOR PERIOD):    | 3.8 inches                            |                                      |                    |                  |                 |               |                    |



**Continuous Water Quality  
Monitoring Periodic Report**

**Smith Branch B (October 23, 2024 - December 03, 2024)**

**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:** No samples were collected during this monitoring period.

| Analyte (units)                     | Sample 1   |         |      |         |      |         |      |         |
|-------------------------------------|------------|---------|------|---------|------|---------|------|---------|
|                                     | 11/14/2024 |         |      |         |      |         |      |         |
|                                     | Time       | Results | Time | Results | Time | Results | Time | Results |
| <i>Escherichia coli</i> (MPN/100mL) | 13:44      | 3,580   |      |         |      |         |      |         |
| Total Suspended Solids (mg/L)       |            |         |      |         |      |         |      |         |
| Total Phosphorus (mg/L)             |            |         |      |         |      |         |      |         |
| Total Nitrogen (mg/L)               |            |         |      |         |      |         |      |         |

**Notes:**

Data Gaps

Calibration period occurred 10/22-10/24. Data gap present from 10/24-11/13 in all data due to sonde demobilization as a result of equipment failure. Data gaps in all parameters were present throughout the remainder of the monitoring period due to partial unsubmergence.

Potential Illicit Discharges and Abnormal Events:

No potential illicit discharges or abnormal events observed during this monitoring period.