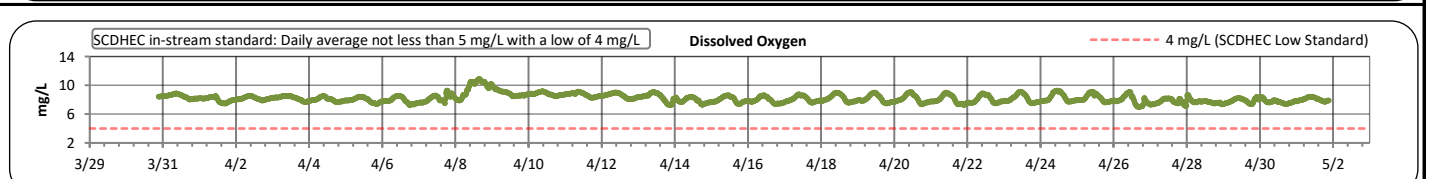
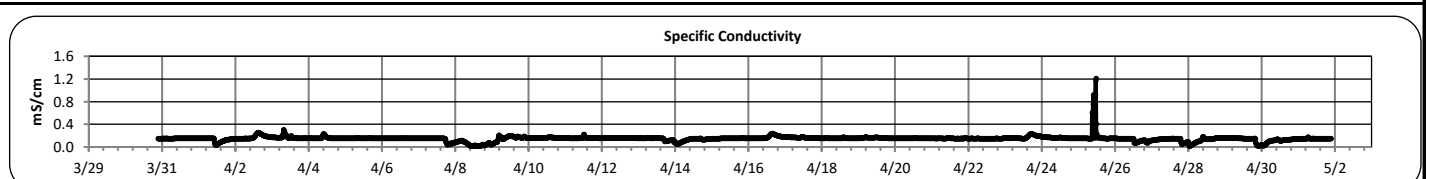
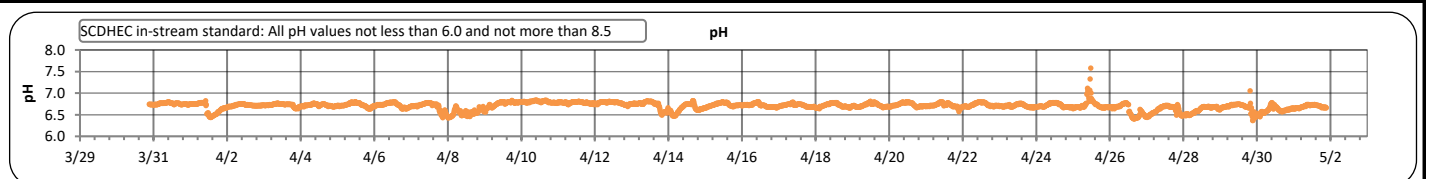
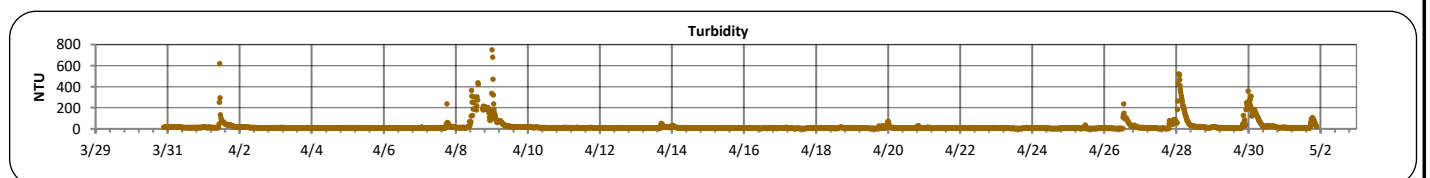
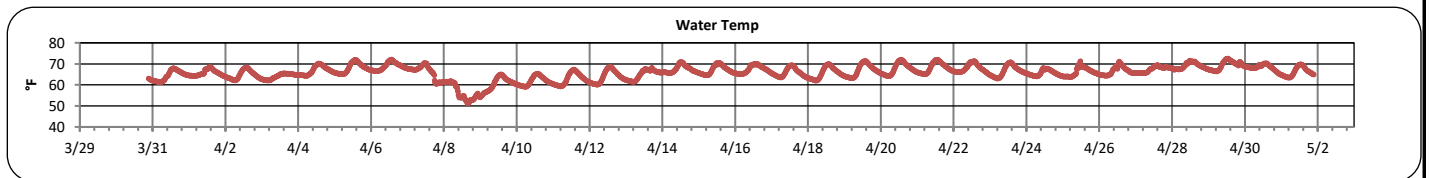
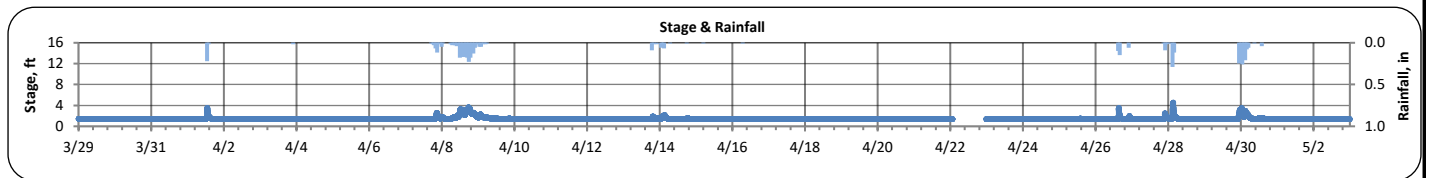


# Continuous Water Quality Monitoring Periodic Report

Rocky Branch A (March 29, 2023 - May 2, 2023)

| PARAMETER                       | DESCRIPTION                            | CONTINUOUS WATER QUALITY PARAMETERS: | SUMMARY STATISTICS |                  |                 |               |                    |
|---------------------------------|--|--------------------------------------|--------------------|------------------|-----------------|---------------|--------------------|
|                                 |  |                                      | MINIMUM OBSERVED   | MAXIMUM OBSERVED | MEDIAN OBSERVED | MEAN OBSERVED | STANDARD DEVIATION |
| STREAM NAME:                    | Rocky Branch                           | STAGE (FT):                          | 1.4                | 4.6              | 1.4             | 1.5           | 0.2                |
| LOCATION:                       | Maxcy Gregg Park                       | TEMPERATURE (°F):                    | 51                 | 73               | 66              | 66            | 3                  |
| ADDRESS:                        | 1650 Park Circle<br>Columbia, SC 29201 | TURBIDITY (NTU):                     | 4                  | 750              | 9               | 21            | 50                 |
| COORDINATES:                    | 33.995864, -81.021842                  | pH:                                  | 6.4                | 7.6              | 6.7             | 6.7           | 0.1                |
| TMDL/IMPAIRMENT:                | Fecal Coliform                         | SPECIFIC CONDUCTIVITY (mS/cm):       | 0.016              | 1.210            | 0.154           | 0.149         | 0.050              |
| NEIGHBORING LANDUSE:            | Residential and commercial             | DISSOLVED OXYGEN (mg/L):             | 7.0                | 10.9             | 8.1             | 8.2           | 0.6                |
| SPATIAL LOCATION:               | Most upstream site                     |                                      |                    |                  |                 |               |                    |
| TOTAL NO. STORMS OVER 0.1 INCH: | 7                                      |                                      |                    |                  |                 |               |                    |
| MAX. DAILY RAINFALL:            | 1.8 inches                             |                                      |                    |                  |                 |               |                    |
| TOTAL RAINFALL (FOR PERIOD):    | 4.7 inches                             |                                      |                    |                  |                 |               |                    |



Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

REPORT GENERATED ON 7/23/2023

**Continuous Water Quality  
Monitoring Periodic Report**

**Rocky Branch A (March 29, 2023 - May 2, 2023)**

**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)                     |      |         |      |         |      |         |      |         |
|-------------------------------------|------|---------|------|---------|------|---------|------|---------|
|                                     | Time | Results | Time | Results | Time | Results | Time | Results |
| <i>Escherichia coli</i> (MPN/100mL) |      |         |      |         |      |         |      |         |
| Total Suspended Solids (mg/L)       |      |         |      |         |      |         |      |         |
| Total Phosphorus (mg/L)             |      |         |      |         |      |         |      |         |
| Total Nitrogen (mg/L)               |      |         |      |         |      |         |      |         |

**Notes:**

Data Gaps

There is a data gap in turbidity on 4/8 due to sensor fouling. There is a gap in stage data on 4/22 due to instrument communication malfunction.

Potential Illicit Discharges and Abnormal Events:

Specific conductivity increased several times during the monitoring period, which may have been a result of the Maxcy Gregg pool discharge.

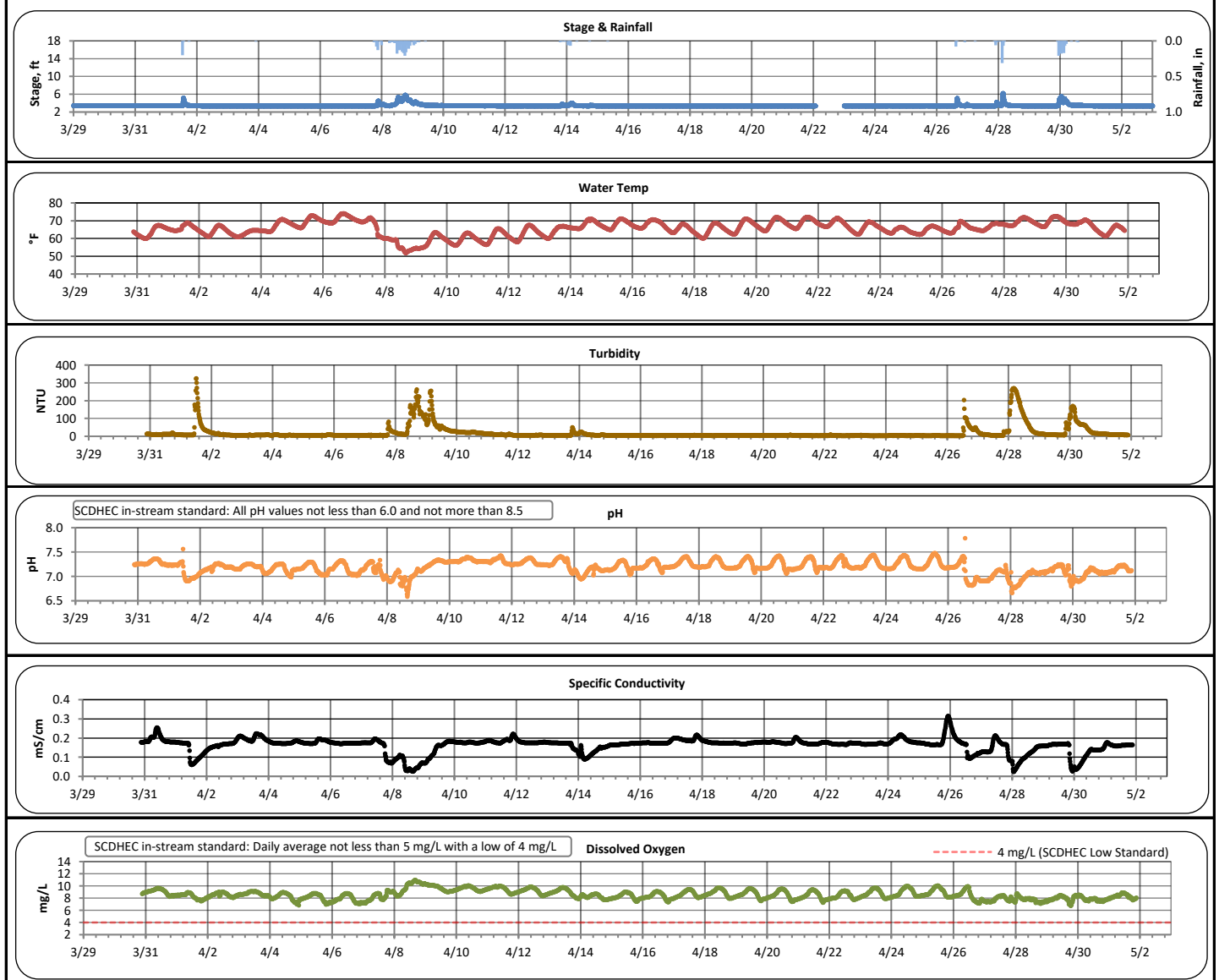
Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

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# Continuous Water Quality Monitoring Periodic Report

Rocky Branch B (March 29, 2023 - May 2, 2023)

| PARAMETER                          | DESCRIPTION                          | CONTINUOUS<br>WATER QUALITY<br>PARAMETERS: | SUMMARY STATISTICS  |                     |                    |                  |                       |
|------------------------------------|--------------------------------------|--|---------------------|---------------------|--------------------|------------------|-----------------------|
|                                    |                                      |  | MINIMUM<br>OBSERVED | MAXIMUM<br>OBSERVED | MEDIAN<br>OBSERVED | MEAN<br>OBSERVED | STANDARD<br>DEVIATION |
| STREAM NAME:                       | Rocky Branch                         | STAGE (FT):                                | 3.4                 | 6.2                 | 3.4                | 3.5              | 0.3                   |
| LOCATION:                          | Olympia Ave Crossing                 | TEMPERATURE (°F):                          | 52                  | 74                  | 66                 | 66               | 4                     |
| ADDRESS:                           | 510 Heyward St<br>Columbia, SC 29201 | TURBIDITY (NTU):                           | 4                   | 325                 | 7                  | 20               | 40                    |
| COORDINATES:                       | 33.982578, -81.035036                | pH:  | 6.6                 | 7.8                 | 7.2                | 7.2              | 0.1                   |
| TMDL/IMPAIRED:                     | Fecal Coliform                       | SPECIFIC<br>CONDUCTIVITY<br>(mS/cm):       | 0.025               | 0.315               | 0.173              | 0.163            | 0.038                 |
| NEIGHBORING<br>LANDUSE:            | Residential and commercial           | DISSOLVED OXYGEN<br>(mg/L):                | 6.8                 | 11.0                | 8.5                | 8.6              | 0.8                   |
| SPATIAL LOCATION:                  | Most Downstream Site                 |  |                     |                     |                    |                  |                       |
| TOTAL NO. STORMS<br>OVER 0.1 INCH: | 6                                    |  |                     |                     |                    |                  |                       |
| MAX. DAILY RAINFALL:               | 1.6 inches                           |  |                     |                     |                    |                  |                       |
| TOTAL RAINFALL (FOR<br>PERIOD):    | 3.9 inches                           |  |                     |                     |                    |                  |                       |



**Continuous Water Quality  
Monitoring Periodic Report**

**Rocky Branch B (March 29, 2023 - May 2, 2023)**

**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)                        |      |         |      |         |      |         |  |  |
|--|------|---------|------|---------|------|---------|--|--|
|  | Time | Results | Time | Results | Time | Results |  |  |
| <i>Escherichia coli</i><br>(MPN/100mL) |      |         |      |         |      |         |  |  |
| Total Suspended Solids (mg/L)          |      |         |      |         |      |         |  |  |
| Total Phosphorus (mg/L)                |      |         |      |         |      |         |  |  |
| Total Nitrogen (mg/L)                  |      |         |      |         |      |         |  |  |

**Notes:**

Data Gaps

There is a gap in stage data on 4/22 due to instrument communication malfunction.

Potential Illicit Discharges and Abnormal Events:

Specific conductivity increased several times during the monitoring period, which may have been a result of the Maxcy Gregg pool discharge.

Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

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