This study funded through a joint effort consisting of Greenwood County Lake Management (GCLM), Laurens County Water and Sewer Commission (LCWSC), City of Greenville, and Renewable Water Resources (ReWa).
Continuous Monitoring Report
Lake Greenwood at River Fork Rd
November 30, 2018 -- March 5, 2019

MONITORING LOCATION CHARACTERISTICS
Station Location Name | River Fork
Latitude | 34.327842 °N
Longitude | 82.109702 °W
Approximate Drainage Area | 398 square miles

CONTINUOUS WATER QUALITY PARAMETERS:

Turbidity (NTU):
- MIN: 11
- MAX: 90
- MEDIAN: 28
- MEAN: 31
- ST. DEV.: 15

Sp. Conductivity (uS/cm):
- MIN: 51
- MAX: 103
- MEDIAN: 76
- MEAN: 77
- ST. DEV.: 13

Dissolved Oxygen (mg/L):
- MIN: 9.1
- MAX: 11.8
- MEDIAN: 10.5
- MEAN: 10.5
- ST. DEV.: 0.6

pH:
- MIN: 6.2
- MAX: 7.4
- MEDIAN: 6.8
- MEAN: 6.8
- ST. DEV.: 0.2

Chlorophyll* (ug/L):
- MIN: 0.3
- MAX: 25
- MEDIAN: 2
- MEAN: 3
- ST. DEV.: 2

Temperature (°F):
- MIN: 42
- MAX: 60
- MEDIAN: 49
- MEAN: 50
- ST. DEV.: 4

RAINFALL CHARACTERISTICS
Data collected at rain gauge located at Ekom Beach Road crossing of Reedy River
Number of Storms Over 0.1 in*: 15
Max Storm Rainfall: 3.02 in
Total Rainfall for Period (Length of deployment: 13.5 weeks): 15.27 in

Approximate Drainage Area
398 square miles

REPORT GENERATED ON 04/04/2019
## Continuous Monitoring Report
### Lake Greenwood at River Fork Rd
#### November 30, 2018 -- March 5, 2019

**Explanation of Statistics:**

- **MIN**: The minimum value recorded by the datasonde during the reporting period.
- **MAX**: The maximum value recorded by the datasonde during the reporting period.
- **MEDIAN**: The median value represents the 50th percentile of the distribution of all values recorded during the reporting period. Half of the recorded values during this period fell above the median value and half fell below this value.
- **MEAN**: The average of all the 15-minute values recorded by the datasonde during this reporting period.
- **ST. DEV.**: The standard deviation is a measure of the variation within a dataset. A large standard deviation indicates significant variability in the dataset and a small standard deviation represents low variability.

### Discrete Sample Results Collected to Date at River Fork Location
#### Analyzed by Pace Analytical and ETT Environmental Laboratories

<table>
<thead>
<tr>
<th>Sample Date</th>
<th>Collected By</th>
<th>TSS (mg/L)</th>
<th>TN (mg/L)</th>
<th>TKN (mg/L)</th>
<th>NO3+NO2 (mg/L)</th>
<th>TP (mg/L)</th>
<th>Chl-a (ug/L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>12/5/2018 9:24</td>
<td>GCLM</td>
<td>20.4</td>
<td>1.00</td>
<td>--</td>
<td>0.70</td>
<td>0.068</td>
<td>7.6</td>
</tr>
<tr>
<td>12/12/2018 8:45</td>
<td>GCLM</td>
<td>19.0</td>
<td>0.90</td>
<td>--</td>
<td>0.52</td>
<td>0.085</td>
<td>5.0</td>
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<tr>
<td>1/9/2019 8:30</td>
<td>GCLM</td>
<td>23.6</td>
<td>1.20</td>
<td>0.6*</td>
<td>0.55</td>
<td>0.087</td>
<td>--</td>
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<td>1/16/2019 8:58</td>
<td>GCLM</td>
<td>12.7</td>
<td>0.86</td>
<td>--</td>
<td>0.86</td>
<td>0.076</td>
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<tr>
<td>1/30/2019 9:00</td>
<td>GCLM</td>
<td>14.1</td>
<td>0.68</td>
<td>--</td>
<td>0.52</td>
<td>0.060</td>
<td>8.0</td>
</tr>
<tr>
<td>2/6/2019 8:45</td>
<td>GCLM</td>
<td>8.2</td>
<td>1.80</td>
<td>0.69</td>
<td>1.10</td>
<td>--</td>
<td>2.8</td>
</tr>
</tbody>
</table>

These samples are collected in order to provide information on parameters which cannot be reliably measured in-situ. These sample results may be used in the future to develop statistical relationships with continuously monitored parameters in an effort to estimate continuous concentrations of these parameters. A sufficient sample size for regression analysis is typically 20 samples or more collected across a range of weather conditions.

*Sample extraction/preparation and analysis conducted outside the EPA method holding time.*

### Definitions

- **Chl-a**: Chlorophyll-a
- **ND**: Non Detected at the Reporting Limit
- **NO3+NO2**: Nitrate + Nitrite as Nitrogen
- **TKN**: Total Kjeldahl Nitrogen
- **TN**: Total Nitrogen
- **TP**: Total Phosphorus
- **TSS**: Total Suspended Solids

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