



# Cyanobacteria Bloom Response Field Data Sheet (2022-08-15 v1)

Email scanned submittal forms to [lab.receiving@FloridaDEP.gov](mailto:lab.receiving@FloridaDEP.gov)

|                                                                                           |                                                                                 |                                                                                                                                |                |                                                                  |            |                                                                                   |                       |                                                                                                                                         |                            |                                                                     |      |
|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------|------------|-----------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------|------|
| RQ - 2023-02-13-15                                                                        |                                                                                 |                                                                                                                                |                | Collected By:                                                    |            | Katrin Villinger, Katherine Halbert                                               |                       |                                                                                                                                         |                            |                                                                     |      |
| Customer:                                                                                 |                                                                                 | WQMP                                                                                                                           |                | Field Report Prepared By:                                        |            | Katherine Halbert                                                                 |                       |                                                                                                                                         |                            |                                                                     |      |
| Project ID:                                                                               |                                                                                 | BLOOM_RESP                                                                                                                     |                | Sampling Agency:                                                 |            | NEROC                                                                             |                       |                                                                                                                                         |                            |                                                                     |      |
| Location: Black Creek @ SR-17                                                             |                                                                                 |                                                                                                                                |                | Comments:                                                        |            |                                                                                   |                       |                                                                                                                                         |                            |                                                                     |      |
| Field ID: NEHAB0035                                                                       |                                                                                 |                                                                                                                                |                | Coordinates:                                                     |            | 30.04208, -81.71220                                                               |                       |                                                                                                                                         |                            |                                                                     |      |
| WIN Secondary Resource Type: River/Stream                                                 |                                                                                 |                                                                                                                                |                | Collection Equip:                                                |            | WaterBottle                                                                       |                       |                                                                                                                                         |                            |                                                                     |      |
| WIN ID:NEHAB0035                                                                          |                                                                                 |                                                                                                                                |                | High Tide Time:                                                  |            | 13:13                                                                             |                       | Low Tide Time:                                                                                                                          |                            | 08:52                                                               |      |
| Matrix:                                                                                   |                                                                                 | Fresh                                                                                                                          |                | Grab                                                             |            | Tide:                                                                             |                       | <input checked="" type="checkbox"/> Rising <input type="checkbox"/> Falling <input type="checkbox"/> Slack <input type="checkbox"/> N/A |                            |                                                                     |      |
| Water Quality                                                                             |                                                                                 |                                                                                                                                |                |                                                                  |            |                                                                                   |                       |                                                                                                                                         |                            |                                                                     |      |
| Date                                                                                      | Time<br><input checked="" type="checkbox"/> EST<br><input type="checkbox"/> CEN | D.O.<br>(%)                                                                                                                    | D.O.<br>(mg/L) | Temp<br>(°C)                                                     | pH<br>(SU) | Sample<br>Depth<br>(m)                                                            | Total<br>Depth<br>(m) | Secchi<br>Disk<br>(m)                                                                                                                   | Sp. Cond.<br>(µmho/cm)     | Salinity<br>(PPTH)                                                  |      |
| 03/09/2023                                                                                | 09:45                                                                           | 81.7                                                                                                                           | 7.2            | 21.6                                                             | 7.17       | 0.3                                                                               | 1.11                  | 0.5                                                                                                                                     | 464.3                      | 0.22                                                                |      |
|                                                                                           | 09:55                                                                           | 78.2                                                                                                                           | 6.98           | 20.9                                                             | 7.17       | 1.06                                                                              |                       |                                                                                                                                         |                            | 480.1                                                               | 0.23 |
| Bloom Observations                                                                        |                                                                                 |                                                                                                                                |                |                                                                  |            |                                                                                   |                       |                                                                                                                                         |                            |                                                                     |      |
| Algal Bloom Observed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |                                                                                 |                                                                                                                                |                |                                                                  |            |                                                                                   |                       |                                                                                                                                         |                            |                                                                     |      |
| Water Clarity                                                                             |                                                                                 | <input type="checkbox"/> Clear                                                                                                 |                | <input checked="" type="checkbox"/> Slightly Turbid              |            | <input type="checkbox"/> Turbid                                                   |                       | <input type="checkbox"/> Opaque                                                                                                         |                            |                                                                     |      |
| Bloom Color                                                                               |                                                                                 | <input type="checkbox"/> Green                                                                                                 |                | <input type="checkbox"/> Red                                     |            | <input type="checkbox"/> Brown                                                    |                       | <input type="checkbox"/> Other:                                                                                                         |                            |                                                                     |      |
| Algae Type                                                                                |                                                                                 | <input type="checkbox"/> Planktonic                                                                                            |                | <input type="checkbox"/> Filamentous                             |            | <input type="checkbox"/> Other:                                                   |                       |                                                                                                                                         |                            |                                                                     |      |
| Algae Accumulation                                                                        |                                                                                 | <input type="checkbox"/> Mat                                                                                                   |                | <input type="checkbox"/> Specks                                  |            | <input type="checkbox"/> Scum                                                     |                       | <input type="checkbox"/> Glob                                                                                                           |                            |                                                                     |      |
| Algae Distribution                                                                        |                                                                                 | <input type="checkbox"/> Surface-Entire                                                                                        |                | <input type="checkbox"/> Surf-Localized                          |            | <input type="checkbox"/> Surf-Windblown                                           |                       | <input type="checkbox"/> Suspended                                                                                                      |                            | <input type="checkbox"/> Benthic <input type="checkbox"/> Epiphytic |      |
| Parameter Suite                                                                           |                                                                                 | Parameter Methods                                                                                                              |                |                                                                  |            | Preservation                                                                      |                       | pH<br>Check                                                                                                                             | #Bottles<br>Sent to<br>Lab | Bottle<br>Group                                                     |      |
| Algal ID (PT-50mL)                                                                        |                                                                                 | <input type="checkbox"/> ALGAL-ID                                                                                              |                |                                                                  |            | <input type="checkbox"/> Ice                                                      |                       |                                                                                                                                         |                            |                                                                     |      |
| Bloom ID (PT-50mL)                                                                        |                                                                                 | <input checked="" type="checkbox"/> BLOOM-ID                                                                                   |                |                                                                  |            | <input checked="" type="checkbox"/> Ice                                           |                       |                                                                                                                                         | 1                          | A                                                                   |      |
| Chlorophyll (BP-1L)                                                                       |                                                                                 | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                 |                |                                                                  |            | <input checked="" type="checkbox"/> Ice                                           |                       |                                                                                                                                         | 1                          | C                                                                   |      |
| Toxins (P-125/BG-250)                                                                     |                                                                                 | <input checked="" type="checkbox"/> W-MCYST-AA <input checked="" type="checkbox"/> W-SAXTN-MS <input type="checkbox"/> OV-TOXN |                |                                                                  |            | <input checked="" type="checkbox"/> Ice                                           |                       |                                                                                                                                         | 1                          | C                                                                   |      |
| Preserved Nutrients<br>(500mL HDPE)                                                       |                                                                                 | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP                                                        |                |                                                                  |            | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4 |                       | <input checked="" type="checkbox"/> <2                                                                                                  | 1                          | C                                                                   |      |
|                                                                                           |                                                                                 | Acid Lot:                                                                                                                      |                | SA2145160                                                        |            | Exp:                                                                              |                       | 06/02/23                                                                                                                                |                            |                                                                     |      |
| Filtered Nutrients<br>(P125mL)                                                            |                                                                                 | <input checked="" type="checkbox"/> W-PO4-F                                                                                    |                | <input checked="" type="checkbox"/> Field Filtered 0.45um Filter |            | <input checked="" type="checkbox"/> Ice                                           |                       |                                                                                                                                         | 1                          | C                                                                   |      |
|                                                                                           |                                                                                 |                                                                                                                                |                | Filter Lot # 0000175533                                          |            |                                                                                   |                       |                                                                                                                                         |                            |                                                                     |      |
| Quantitative Algae                                                                        |                                                                                 | <input type="checkbox"/> DTY-QN-C / PKD-QN-C                                                                                   |                |                                                                  |            | <input type="checkbox"/> Ice <input type="checkbox"/> Lugols                      |                       |                                                                                                                                         |                            |                                                                     |      |
| Relinquished By:                                                                          |                                                                                 | Date/Time                                                                                                                      |                | Number of Coolers Shipped                                        |            | Received By:                                                                      |                       | Date/Time                                                                                                                               |                            |                                                                     |      |
| Katherine Halbert                                                                         |                                                                                 | 03/09/2023 16:30                                                                                                               |                | 1                                                                |            |                                                                                   |                       |                                                                                                                                         |                            |                                                                     |      |



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|                                                                                           |                                                                                 |                                                                                                                                |                |                                                                  |            |                                                                                   |                       |                                                                                                                                         |                            |                                                                     |  |
|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------|------------|-----------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------|--|
| RQ - 2023-02-13-15                                                                        |                                                                                 |                                                                                                                                |                | Collected By:                                                    |            | Katrin Villinger, Katherine Halbert                                               |                       |                                                                                                                                         |                            |                                                                     |  |
| Customer:                                                                                 |                                                                                 | WQMP                                                                                                                           |                | Field Report Prepared By:                                        |            | Katherine Halbert                                                                 |                       |                                                                                                                                         |                            |                                                                     |  |
| Project ID:                                                                               |                                                                                 | BLOOM_RESP                                                                                                                     |                | Sampling Agency:                                                 |            | NEROC                                                                             |                       |                                                                                                                                         |                            |                                                                     |  |
| Location: George's Lake @ Boat Ramp                                                       |                                                                                 |                                                                                                                                |                | Comments: Light breeze, calm wind conditions.                    |            |                                                                                   |                       |                                                                                                                                         |                            |                                                                     |  |
| Field ID: NEHAB0099                                                                       |                                                                                 |                                                                                                                                |                | Coordinates:                                                     |            | 29.80239, -81.84558                                                               |                       |                                                                                                                                         |                            |                                                                     |  |
| WIN Secondary Resource Type: Lake                                                         |                                                                                 |                                                                                                                                |                | Collection Equip:                                                |            | WaterBottle                                                                       |                       |                                                                                                                                         |                            |                                                                     |  |
| WIN ID:NEHAB0099                                                                          |                                                                                 |                                                                                                                                |                | High Tide Time:                                                  |            |                                                                                   |                       | Low Tide Time:                                                                                                                          |                            |                                                                     |  |
| Matrix:                                                                                   |                                                                                 | Fresh                                                                                                                          |                | Grab                                                             |            | Tide:                                                                             |                       | <input type="checkbox"/> Rising <input type="checkbox"/> Falling <input type="checkbox"/> Slack <input checked="" type="checkbox"/> N/A |                            |                                                                     |  |
| Water Quality                                                                             |                                                                                 |                                                                                                                                |                |                                                                  |            |                                                                                   |                       |                                                                                                                                         |                            |                                                                     |  |
| Date                                                                                      | Time<br><input checked="" type="checkbox"/> EST<br><input type="checkbox"/> CEN | D.O.<br>(%)                                                                                                                    | D.O.<br>(mg/L) | Temp<br>(°C)                                                     | pH<br>(SU) | Sample<br>Depth<br>(m)                                                            | Total<br>Depth<br>(m) | Secchi<br>Disk<br>(m)                                                                                                                   | Sp. Cond.<br>(µmho/cm)     | Salinity<br>(PPTH)                                                  |  |
| 03/09/2023                                                                                | 11:50                                                                           | 97.8                                                                                                                           | 8.4            | 23                                                               | 6.1        | 0.3                                                                               | 0.91                  | 0.4                                                                                                                                     | 54.7                       | 0.02                                                                |  |
|                                                                                           |                                                                                 |                                                                                                                                |                |                                                                  |            |                                                                                   |                       |                                                                                                                                         |                            |                                                                     |  |
|                                                                                           |                                                                                 |                                                                                                                                |                |                                                                  |            |                                                                                   |                       |                                                                                                                                         |                            |                                                                     |  |
| Bloom Observations                                                                        |                                                                                 |                                                                                                                                |                |                                                                  |            |                                                                                   |                       |                                                                                                                                         |                            |                                                                     |  |
| Algal Bloom Observed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                                                                                 |                                                                                                                                |                |                                                                  |            |                                                                                   |                       |                                                                                                                                         |                            |                                                                     |  |
| Water Clarity                                                                             |                                                                                 | <input type="checkbox"/> Clear                                                                                                 |                | <input checked="" type="checkbox"/> Slightly Turbid              |            | <input type="checkbox"/> Turbid                                                   |                       | <input type="checkbox"/> Opaque                                                                                                         |                            |                                                                     |  |
| Bloom Color                                                                               |                                                                                 | <input checked="" type="checkbox"/> Green                                                                                      |                | <input type="checkbox"/> Red                                     |            | <input type="checkbox"/> Brown                                                    |                       | <input type="checkbox"/> Other:                                                                                                         |                            |                                                                     |  |
| Algae Type                                                                                |                                                                                 | <input checked="" type="checkbox"/> Planktonic                                                                                 |                | <input type="checkbox"/> Filamentous                             |            | <input type="checkbox"/> Other:                                                   |                       |                                                                                                                                         |                            |                                                                     |  |
| Algae Accumulation                                                                        |                                                                                 | <input type="checkbox"/> Mat                                                                                                   |                | <input checked="" type="checkbox"/> Specks                       |            | <input type="checkbox"/> Scum                                                     |                       | <input type="checkbox"/> Glob                                                                                                           |                            |                                                                     |  |
| Algae Distribution                                                                        |                                                                                 | <input type="checkbox"/> Surface-Entire                                                                                        |                | <input type="checkbox"/> Surf-Localized                          |            | <input checked="" type="checkbox"/> Surf-Windblown                                |                       | <input checked="" type="checkbox"/> Suspended                                                                                           |                            | <input type="checkbox"/> Benthic <input type="checkbox"/> Epiphytic |  |
| Parameter Suite                                                                           |                                                                                 | Parameter Methods                                                                                                              |                |                                                                  |            | Preservation                                                                      |                       | pH<br>Check                                                                                                                             | #Bottles<br>Sent to<br>Lab | Bottle<br>Group                                                     |  |
| Algal ID (PT-50mL)                                                                        |                                                                                 | <input type="checkbox"/> ALGAL-ID                                                                                              |                |                                                                  |            | <input type="checkbox"/> Ice                                                      |                       |                                                                                                                                         |                            |                                                                     |  |
| Bloom ID (PT-50mL)                                                                        |                                                                                 | <input checked="" type="checkbox"/> BLOOM-ID                                                                                   |                |                                                                  |            | <input checked="" type="checkbox"/> Ice                                           |                       |                                                                                                                                         | 1                          | A                                                                   |  |
| Chlorophyll (BP-1L)                                                                       |                                                                                 | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                 |                |                                                                  |            | <input checked="" type="checkbox"/> Ice                                           |                       |                                                                                                                                         | 1                          | C                                                                   |  |
| Toxins (P-125/BG-250)                                                                     |                                                                                 | <input checked="" type="checkbox"/> W-MCYST-AA <input checked="" type="checkbox"/> W-SAXTN-MS <input type="checkbox"/> OV-TOXN |                |                                                                  |            | <input checked="" type="checkbox"/> Ice                                           |                       |                                                                                                                                         | 1                          | C                                                                   |  |
| Preserved Nutrients<br>(500mL HDPE)                                                       |                                                                                 | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP                                                        |                |                                                                  |            | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4 |                       | <input checked="" type="checkbox"/> <2                                                                                                  | 1                          | C                                                                   |  |
|                                                                                           |                                                                                 | Acid Lot:                                                                                                                      |                | SA2229010                                                        |            | Exp:                                                                              |                       | 08/30/23                                                                                                                                |                            |                                                                     |  |
| Filtered Nutrients<br>(P125mL)                                                            |                                                                                 | <input checked="" type="checkbox"/> W-PO4-F                                                                                    |                | <input checked="" type="checkbox"/> Field Filtered 0.45um Filter |            | <input checked="" type="checkbox"/> Ice                                           |                       |                                                                                                                                         | 1                          | C                                                                   |  |
|                                                                                           |                                                                                 |                                                                                                                                |                | Filter Lot # 0000175533                                          |            |                                                                                   |                       |                                                                                                                                         |                            |                                                                     |  |
| Quantitative Algae                                                                        |                                                                                 | <input type="checkbox"/> DTY-QN-C / PKD-QN-C                                                                                   |                |                                                                  |            | <input type="checkbox"/> Ice <input type="checkbox"/> Lugols                      |                       |                                                                                                                                         |                            |                                                                     |  |
| Relinquished By:                                                                          |                                                                                 | Date/Time                                                                                                                      |                | Number of Coolers Shipped                                        |            | Received By:                                                                      |                       | Date/Time                                                                                                                               |                            |                                                                     |  |
| Katherine Halbert                                                                         |                                                                                 | 03/09/2023 16:30                                                                                                               |                | 1                                                                |            |                                                                                   |                       |                                                                                                                                         |                            |                                                                     |  |



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|                                                                                           |                                                                                 |                                                                                                                                |                |                                                                  |            |                                                                                   |                       |                                                                                                                                         |                            |                    |
|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------|------------|-----------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--------------------|
| RQ - 2023-02-13-15                                                                        |                                                                                 |                                                                                                                                |                | Collected By:                                                    |            | Katrin Villinger, Katherine Halbert                                               |                       |                                                                                                                                         |                            |                    |
| Customer:                                                                                 |                                                                                 | WQMP                                                                                                                           |                | Field Report Prepared By:                                        |            | Katherine Halbert                                                                 |                       |                                                                                                                                         |                            |                    |
| Project ID:                                                                               |                                                                                 | BLOOM_RESP                                                                                                                     |                | Sampling Agency:                                                 |            | NEROC                                                                             |                       |                                                                                                                                         |                            |                    |
| Location: George's Lake @ HAB Center                                                      |                                                                                 |                                                                                                                                |                | Comments: Light breeze, calmer wind conditions.                  |            |                                                                                   |                       |                                                                                                                                         |                            |                    |
| Field ID: NEHAB0098                                                                       |                                                                                 |                                                                                                                                |                | Coordinates:                                                     |            | 29.79580, -81.84855                                                               |                       |                                                                                                                                         |                            |                    |
| WIN Secondary Resource Type: Lake                                                         |                                                                                 |                                                                                                                                |                | Collection Equip:                                                |            | WaterBottle                                                                       |                       |                                                                                                                                         |                            |                    |
| WIN ID:NEHAB0098                                                                          |                                                                                 |                                                                                                                                |                | High Tide Time:                                                  |            |                                                                                   |                       | Low Tide Time:                                                                                                                          |                            |                    |
| Matrix:                                                                                   |                                                                                 | Fresh                                                                                                                          |                | Grab                                                             |            | Tide:                                                                             |                       | <input type="checkbox"/> Rising <input type="checkbox"/> Falling <input type="checkbox"/> Slack <input checked="" type="checkbox"/> N/A |                            |                    |
| Water Quality                                                                             |                                                                                 |                                                                                                                                |                |                                                                  |            |                                                                                   |                       |                                                                                                                                         |                            |                    |
| Date                                                                                      | Time<br><input checked="" type="checkbox"/> EST<br><input type="checkbox"/> CEN | D.O.<br>(%)                                                                                                                    | D.O.<br>(mg/L) | Temp<br>(°C)                                                     | pH<br>(SU) | Sample<br>Depth<br>(m)                                                            | Total<br>Depth<br>(m) | Secchi<br>Disk<br>(m)                                                                                                                   | Sp. Cond.<br>(µmho/cm)     | Salinity<br>(PPTH) |
| 03/09/2023                                                                                | 12:20                                                                           | 95.8                                                                                                                           | 8.2            | 23.2                                                             | 6.21       | 0.3                                                                               | 5.24                  | 0.6                                                                                                                                     | 54.6                       | 0.02               |
|                                                                                           | 12:20                                                                           | 89.6                                                                                                                           | 7.8            | 22.2                                                             | 6.11       | 2                                                                                 |                       |                                                                                                                                         | 54.5                       | 0.02               |
|                                                                                           | 12:18                                                                           | 88.6                                                                                                                           | 7.76           | 22                                                               | 6.07       | 4.65                                                                              |                       |                                                                                                                                         | 54.3                       | 0.02               |
| Bloom Observations                                                                        |                                                                                 |                                                                                                                                |                |                                                                  |            |                                                                                   |                       |                                                                                                                                         |                            |                    |
| Algal Bloom Observed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                                                                                 |                                                                                                                                |                |                                                                  |            |                                                                                   |                       |                                                                                                                                         |                            |                    |
| Water Clarity                                                                             |                                                                                 | <input type="checkbox"/> Clear                                                                                                 |                | <input checked="" type="checkbox"/> Slightly Turbid              |            | <input type="checkbox"/> Turbid                                                   |                       | <input type="checkbox"/> Opaque                                                                                                         |                            |                    |
| Bloom Color                                                                               |                                                                                 | <input checked="" type="checkbox"/> Green                                                                                      |                | <input type="checkbox"/> Red                                     |            | <input type="checkbox"/> Brown                                                    |                       | <input type="checkbox"/> Other:                                                                                                         |                            |                    |
| Algae Type                                                                                |                                                                                 | <input checked="" type="checkbox"/> Planktonic                                                                                 |                | <input type="checkbox"/> Filamentous                             |            | <input type="checkbox"/> Other:                                                   |                       |                                                                                                                                         |                            |                    |
| Algae Accumulation                                                                        |                                                                                 | <input type="checkbox"/> Mat                                                                                                   |                | <input checked="" type="checkbox"/> Specks                       |            | <input type="checkbox"/> Scum                                                     |                       | <input type="checkbox"/> Glob                                                                                                           |                            |                    |
| Algae Distribution                                                                        |                                                                                 | <input type="checkbox"/> Surface-Entire                                                                                        |                | <input type="checkbox"/> Surf-Localized                          |            | <input type="checkbox"/> Surf-Windblown                                           |                       | <input checked="" type="checkbox"/> Suspended <input type="checkbox"/> Benthic <input type="checkbox"/> Epiphytic                       |                            |                    |
| Parameter Suite                                                                           |                                                                                 | Parameter Methods                                                                                                              |                |                                                                  |            | Preservation                                                                      |                       | pH<br>Check                                                                                                                             | #Bottles<br>Sent to<br>Lab | Bottle<br>Group    |
| Algal ID (PT-50mL)                                                                        |                                                                                 | <input type="checkbox"/> ALGAL-ID                                                                                              |                |                                                                  |            | <input type="checkbox"/> Ice                                                      |                       |                                                                                                                                         |                            |                    |
| Bloom ID (PT-50mL)                                                                        |                                                                                 | <input checked="" type="checkbox"/> BLOOM-ID                                                                                   |                |                                                                  |            | <input checked="" type="checkbox"/> Ice                                           |                       |                                                                                                                                         | 1                          | A                  |
| Chlorophyll (BP-1L)                                                                       |                                                                                 | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                 |                |                                                                  |            | <input checked="" type="checkbox"/> Ice                                           |                       |                                                                                                                                         | 1                          | C                  |
| Toxins (P-125/BG-250)                                                                     |                                                                                 | <input checked="" type="checkbox"/> W-MCYST-AA <input checked="" type="checkbox"/> W-SAXTN-MS <input type="checkbox"/> OV-TOXN |                |                                                                  |            | <input checked="" type="checkbox"/> Ice                                           |                       |                                                                                                                                         | 1                          | C                  |
| Preserved Nutrients<br>(500mL HDPE)                                                       |                                                                                 | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP                                                        |                |                                                                  |            | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4 |                       | <input checked="" type="checkbox"/> <2                                                                                                  | 1                          | C                  |
|                                                                                           |                                                                                 | Acid Lot:                                                                                                                      |                | SA2145160                                                        |            | Exp:                                                                              |                       | 06/02/23                                                                                                                                |                            |                    |
| Filtered Nutrients<br>(P125mL)                                                            |                                                                                 | <input checked="" type="checkbox"/> W-PO4-F                                                                                    |                | <input checked="" type="checkbox"/> Field Filtered 0.45um Filter |            | <input checked="" type="checkbox"/> Ice                                           |                       |                                                                                                                                         | 1                          | C                  |
|                                                                                           |                                                                                 |                                                                                                                                |                | Filter Lot #                                                     |            |                                                                                   |                       |                                                                                                                                         |                            |                    |
| Quantitative Algae                                                                        |                                                                                 | <input type="checkbox"/> DTY-QN-C / PKD-QN-C                                                                                   |                |                                                                  |            | <input type="checkbox"/> Ice <input type="checkbox"/> Lugols                      |                       |                                                                                                                                         |                            |                    |
| Relinquished By:                                                                          |                                                                                 | Date/Time                                                                                                                      |                | Number of Coolers Shipped                                        |            |                                                                                   | Received By:          |                                                                                                                                         | Date/Time                  |                    |
| Katherine Halbert                                                                         |                                                                                 | 03/09/2023 16:30                                                                                                               |                | 1                                                                |            |                                                                                   |                       |                                                                                                                                         |                            |                    |

# CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there are qualified data on this page.

Meter ID: Stitch

RQ: 2023-02-13-15

Project: St. Algae Research

KN 03/09/23

- Notes: (1) Always wait for meter to stabilize before recording any readings.  
 (2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).  
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

## Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 2/15/23

| DO DEP SOP FT 1500 | Name       | Date   | Time CT-ET | Temp °C | Baro-meter mmHg | D.O. Chart mg/L | Meter D.O. mg/L | % DO  | Probe Charge | Probe Gain | Pass / Fail | Lab / Field |
|--------------------|------------|--------|------------|---------|-----------------|-----------------|-----------------|-------|--------------|------------|-------------|-------------|
| Calibr.            | K. Halbert | 3/9/23 | 754        | 21.2    | 765.6           | 8.9             | —               | 100.7 | —            | 1.071      | (P) F       | (L) F       |
| ICV                | K. Halbert | 3/9/23 | 755        | 21.1    | 765.6           | 9.0             | 9.00            | 101.0 | —            | 1.071      | (P) F       | (L) F       |
| CCV                | K. Halbert | 3/9/23 | 1636       | 21.5    | 764.2           | 8.9             | 8.90            | 100.8 | —            | 1.071      | (P) F       | (L) F       |
| CCV                |            |        |            |         |                 |                 |                 |       |              |            | P / F       | L / F       |

DO Acceptance criteria from Table  $\pm 0.3$  mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Optical: DO gain range 0.85 to 1.15 (Pro DSS 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

| Spec. Cond. FT 1200 | Name       | Date   | Time CT-ET | Lot #   | Expir. Date | Standard $\mu$ hos/cm | Meter Reading $\mu$ hos/cm | Pass / Fail | Lab / Field |
|---------------------|------------|--------|------------|---------|-------------|-----------------------|----------------------------|-------------|-------------|
| Calibr.             | K. Halbert | 3/9/23 | 756        | 221028A | 11/2023     | 1000                  | 1000                       | (P) F       | (L) F       |
| ICV                 | K. Halbert | 3/9/23 | 758        | 220719B | 07/2023     | 100                   | 100.1                      | (P) F       | (L) F       |
| CCV                 | K. Halbert | 3/9/23 | 1637       | 221028A | 11/2023     | 1000                  | 1003                       | (P) F       | (L) F       |
| CCV                 |            |        |            |         |             |                       |                            | P / F       | L / F       |

Conductivity Acceptance criteria  $\pm 5\%$

| pH DEP SOP FT 1100 | Name       | Date   | Time CT-ET | Lot #   | Expir. Date | pH Buffer SU | Temp °C | Meter reading SU | mV     | Pass / Fail | Lab / Field |
|--------------------|------------|--------|------------|---------|-------------|--------------|---------|------------------|--------|-------------|-------------|
| Calibr.            | K. Halbert | 3/9/23 | 801        | M241-15 | 9/1/24      | 7.02         | 21.6    | 7.02             | -43.8  | (P) F       | (L) F       |
| Calibr.            | K. Halbert | 3/9/23 | 804        | M188-01 | 7/11/24     | 4.00         | 21.4    | 4.00             | 131.4  | (P) F       | (L) F       |
| Calibr.            | K. Halbert | 3/9/23 | 806        | M334-14 | 11/29/24    | 10.04        | 21.6    | 10.04            | -213.4 | (P) F       | (L) F       |
| ICV                | K. Halbert | 3/9/23 | 810        | M188-01 | 7/11/24     | 4.00         | 21.2    | 3.99             | 131.6  | (P) F       | (L) F       |
| CCV                | K. Halbert | 3/9/23 | 1639       | M334-14 | 11/29/24    | 10.04        | 21.7    | 9.99             | -212.0 | (P) F       | (L) F       |
| CCV                |            |        |            |         |             |              |         |                  |        | P / F       | L / F       |

pH Acceptance criteria  $\pm 0.2$  SU; mV pH 7 Range  $0 \pm 50$ ; mV pH 4 Range  $+180 \pm 50$ ; mV pH 10 Range  $-180 \pm 50$ ;

If mV are recorded: slope from 7 to 10 169.6, slope from 4 to 7 175.2 (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: 2/9/23

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: \_\_\_\_\_; Date of last verification: \_\_\_\_\_

| Depth Sensor (Daily Calibration & ICV) | Name       | Date   | Time CT-ET | Calibrated Value (0.00 or Offset), meters | ICV Value, meters | Pass / Fail | Lab / Field |
|----------------------------------------|------------|--------|------------|-------------------------------------------|-------------------|-------------|-------------|
| Pressure mode in air                   | K. Halbert | 3/9/23 | 812        | 0.000                                     | 0.000             | (P) F       | (L) F       |

Report two decimal places. Round numbers  $\leq 4$  down,  $\geq 5$  up. ICV acceptance criteria  $\pm 5\%$  or  $\pm 0.05$ m, whichever is greater.

COMMENTS: