



# Cyanobacteria Bloom Response Field Data Sheet (2019-12-16 v4)

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07-15-43

|                 |                                          |
|-----------------|------------------------------------------|
| RQ - 2021-0524  | Collected By: Kirby Wolfe William Miller |
| Customer: FRED  | Field Report Prepared By: Kirby Wolfe    |
| Project ID: HAB | Sampling Agency: FRED                    |

|                                                      |           |
|------------------------------------------------------|-----------|
| Location: Caloosahatchee River - Barron Park Labelle | Comments: |
|------------------------------------------------------|-----------|

|                            |                                                                                                                                               |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Field ID: HAB-SD052621-001 | Coordinates:                                                                                                                                  |
|                            | Collection Equip: Bottle                                                                                                                      |
| WIN ID:                    | High Tide Time: Low Tide Time:                                                                                                                |
| Matrix:                    | 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) |
| 05/26/2021    | 940                                                                             | 95.6        | 7.65           | 26.5         | 7.91       | 0.3                    | 0.85                  | 0.35                  | 912.9                  | 0.70               |
|               |                                                                                 |             |                |              |            |                        |                       |                       |                        |                    |

| Bloom Observations    |                                                               |                                          |                                            |                                       |                                       |
|-----------------------|---------------------------------------------------------------|------------------------------------------|--------------------------------------------|---------------------------------------|---------------------------------------|
| Algal Bloom Observed? | <input checked="" type="checkbox"/> Yes                       | <input type="checkbox"/> No              |                                            |                                       |                                       |
| Water Surface         | <input type="checkbox"/> Clear                                | <input type="checkbox"/> Scum            | <input checked="" type="checkbox"/> Globbs | <input type="checkbox"/> Slick        |                                       |
| Water Clarity         | <input type="checkbox"/> Clear                                | <input type="checkbox"/> Slightly Turbid | <input checked="" 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: _____ | <input type="checkbox"/> N/A          |
| Algae Distribution    | <input checked="" type="checkbox"/> Suspended in water column | <input type="checkbox"/> On surface      | <input type="checkbox"/> Other: _____      | <input type="checkbox"/> N/A          |                                       |
| Water Odors           | <input checked="" type="checkbox"/> Normal                    | <input type="checkbox"/> Sewage          | <input type="checkbox"/> Petroleum         | <input type="checkbox"/> Chemical     | <input type="checkbox"/> Other: _____ |

| Parameter Suite                  | Parameter Methods                                                                                            | Preservation                                                                      | pH Check                                                                   | #Bottles Sent to Lab | Bottle Group |
|----------------------------------|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------|--------------|
| 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                    | B            |
| Toxins (BG-WD250)                | <input checked="" type="checkbox"/> W-MCYST-AA                                                               | <input checked="" type="checkbox"/> Ice                                           |                                                                            | 1                    | B            |
| Preserved Nutrients (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                    | B            |
| Filtered Nutrients (P125mL)      | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45µm Filter | <input checked="" type="checkbox"/> Ice                                           |                                                                            | 1                    | B            |
| Quantitative Algae               | <input checked="" type="checkbox"/> DTY-QN-C / PKD-QN-C                                                      | <input checked="" type="checkbox"/> Ice                                           | Lugols? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N | 1                    | B            |
| Relinquished By: William Miller  | Date/Time: 05/26/2021 1500                                                                                   | Number of Coolers Shipped: 2                                                      | Received By:                                                               | Date/Time:           |              |



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|                                                |                                                                                 |                                                                     |                                                                                                                                               |              |                                         |                                                                          |                                        |                       |                                       |                   |
|------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------------------------|--------------------------------------------------------------------------|----------------------------------------|-----------------------|---------------------------------------|-------------------|
| RQ-2021-03-15-43                               |                                                                                 |                                                                     | Collected By: Kirby Wolfe                                                                                                                     |              |                                         |                                                                          |                                        |                       |                                       |                   |
| Customer:                                      |                                                                                 |                                                                     | Field Report Prepared By: William Muller                                                                                                      |              |                                         |                                                                          |                                        |                       |                                       |                   |
| Project ID: HAB RISP                           |                                                                                 |                                                                     | Sampling Agency: FDEP                                                                                                                         |              |                                         |                                                                          |                                        |                       |                                       |                   |
| Location: Caloosahatchee - Canal at Casely Dr. |                                                                                 |                                                                     | Comments:                                                                                                                                     |              |                                         |                                                                          |                                        |                       |                                       |                   |
| Field ID: HAB-SD-052621-002                    |                                                                                 |                                                                     | Coordinates:                                                                                                                                  |              |                                         |                                                                          |                                        |                       |                                       |                   |
|                                                |                                                                                 |                                                                     | Collection Equip:                                                                                                                             |              |                                         |                                                                          |                                        |                       |                                       |                   |
| WIN ID:                                        |                                                                                 |                                                                     | High Tide Time:                                                                                                                               |              |                                         |                                                                          |                                        |                       |                                       |                   |
|                                                |                                                                                 |                                                                     | Low Tide Time:                                                                                                                                |              |                                         |                                                                          |                                        |                       |                                       |                   |
| Matrix:                                        |                                                                                 | 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>(PPT) |
| 05/26/21                                       | 1350                                                                            | 75.1                                                                | 5.84                                                                                                                                          | 27.7         | 7.85                                    | 0.3                                                                      | 0.8                                    | 0.5                   | 489.4                                 | 0.23              |
| Bloom Observations                             |                                                                                 |                                                                     |                                                                                                                                               |              |                                         |                                                                          |                                        |                       |                                       |                   |
| Algal Bloom Observed?                          |                                                                                 | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                                                                                                                                               |              |                                         |                                                                          |                                        |                       |                                       |                   |
| Water Surface                                  | <input type="checkbox"/> Clear                                                  | <input type="checkbox"/> Scum                                       | <input checked="" type="checkbox"/> Globs                                                                                                     |              | <input type="checkbox"/> Slick          |                                                                          |                                        |                       |                                       |                   |
| Water Clarity                                  | <input type="checkbox"/> Clear                                                  | <input type="checkbox"/> Slightly Turbid                            | <input checked="" 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: _____   |                                                                          |                                        |                       | <input type="checkbox"/> N/A          |                   |
| Algae Distribution                             | <input type="checkbox"/> Suspended in water column                              |                                                                     | <input type="checkbox"/> On surface                                                                                                           |              | <input type="checkbox"/> Other: _____   |                                                                          |                                        |                       | <input type="checkbox"/> N/A          |                   |
| Water Odors                                    | <input checked="" type="checkbox"/> Normal                                      | <input type="checkbox"/> Sewage                                     | <input type="checkbox"/> Petroleum                                                                                                            |              | <input type="checkbox"/> Chemical       |                                                                          |                                        |                       | <input type="checkbox"/> Other: _____ |                   |
| Parameter Suite                                | Parameter Methods                                                               |                                                                     |                                                                                                                                               |              | Preservation                            |                                                                          | pH Check                               | #Bottles Sent to Lab  | Bottle Group                          |                   |
| 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                     | B                                     |                   |
| Toxins (BG-WD250)                              | <input checked="" type="checkbox"/> W-MCYST-AA                                  |                                                                     |                                                                                                                                               |              | <input checked="" type="checkbox"/> Ice |                                                                          |                                        | 1                     | B                                     |                   |
| Preserved Nutrients (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                     | B                                     |                   |
|                                                | Acid Lot:                                                                       | 120053                                                              |                                                                                                                                               |              | Exp:                                    | 10/05/21                                                                 |                                        |                       |                                       |                   |
| Filtered Nutrients (P125mL)                    | <input checked="" type="checkbox"/> W-PO4-F                                     |                                                                     | <input checked="" type="checkbox"/> Field Filtered 0.45µm Filter                                                                              |              |                                         | <input checked="" type="checkbox"/> Ice                                  |                                        | 1                     | B                                     |                   |
|                                                | Filter Lot #                                                                    |                                                                     |                                                                                                                                               |              |                                         |                                                                          |                                        |                       |                                       |                   |
| Quantitative Algae                             | <input checked="" type="checkbox"/> DTY-QN-C / PKD-QN-C                         |                                                                     |                                                                                                                                               |              | <input checked="" type="checkbox"/> Ice | Lugols? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |                                        | 1                     | B                                     |                   |
| Relinquished By:                               | Date/Time                                                                       |                                                                     | Number of Coolers Shipped                                                                                                                     |              |                                         | Received By:                                                             |                                        | Date/Time             |                                       |                   |
| William Muller                                 | 05/26/21<br>1500                                                                |                                                                     | 2                                                                                                                                             |              |                                         |                                                                          |                                        |                       |                                       |                   |