



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

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|                                                                                                                                                                                              |                                                                      |                                                                         |                                                                                                                                         |                                                                        |            |                                        |                            |                       |                        |                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|------------|----------------------------------------|----------------------------|-----------------------|------------------------|-------------------|
| RQ -                                                                                                                                                                                         |                                                                      | Collected By: Andrew Luning Drew Liddick                                |                                                                                                                                         |                                                                        |            |                                        |                            |                       |                        |                   |
| Customer:                                                                                                                                                                                    |                                                                      | Field Report Prepared By: Drew Liddick                                  |                                                                                                                                         |                                                                        |            |                                        |                            |                       |                        |                   |
| Project ID:                                                                                                                                                                                  |                                                                      | Sampling Agency: FL216PB                                                |                                                                                                                                         |                                                                        |            |                                        |                            |                       |                        |                   |
| Location: Pahokee Marine                                                                                                                                                                     |                                                                      | Comments:                                                               |                                                                                                                                         |                                                                        |            |                                        |                            |                       |                        |                   |
| Field ID: <del>Pahokee 4</del><br>SEHAB0024 26                                                                                                                                               |                                                                      | Coordinates:                                                            |                                                                                                                                         |                                                                        |            |                                        |                            |                       |                        |                   |
| WIN ID:                                                                                                                                                                                      |                                                                      | Collection Equip:                                                       |                                                                                                                                         |                                                                        |            |                                        |                            |                       |                        |                   |
| Matrix:                                                                                                                                                                                      |                                                                      | High Tide Time:                                                         | Low Tide Time:                                                                                                                          |                                                                        |            |                                        |                            |                       |                        |                   |
| 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 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) |
| 05/03                                                                                                                                                                                        | 1055                                                                 | 35.6                                                                    | 2.76                                                                                                                                    | 28.1                                                                   | 7.17       | 0.3                                    | 6                          |                       | 387.4                  | 0.18              |
|                                                                                                                                                                                              |                                                                      | 11.0                                                                    | 0.84                                                                                                                                    | 27.7                                                                   | 7.03       | 2.1                                    | 2.6                        | 0.4                   | 391.3                  | 0.19              |
| Bloom Observations                                                                                                                                                                           |                                                                      |                                                                         |                                                                                                                                         |                                                                        |            |                                        |                            |                       |                        |                   |
| Algal Bloom Observed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                    |                                                                      |                                                                         |                                                                                                                                         |                                                                        |            |                                        |                            |                       |                        |                   |
| Water Surface <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Scum <input checked="" type="checkbox"/> Globbs <input checked="" 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: Blue <input type="checkbox"/> N/A          |                                                                      |                                                                         |                                                                                                                                         |                                                                        |            |                                        |                            |                       |                        |                   |
| Algae Distribution <input checked="" type="checkbox"/> Suspended in water column <input checked="" type="checkbox"/> On surface <input type="checkbox"/> Other: <input type="checkbox"/> N/A |                                                                      |                                                                         |                                                                                                                                         |                                                                        |            |                                        |                            |                       |                        |                   |
| Water Odors <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Sewage <input type="checkbox"/> Petroleum <input type="checkbox"/> Chemical <input type="checkbox"/> Other:  |                                                                      |                                                                         |                                                                                                                                         |                                                                        |            |                                        |                            |                       |                        |                   |
| Parameter Suite                                                                                                                                                                              |                                                                      | Parameter Methods                                                       |                                                                                                                                         | Preservation                                                           |            | pH<br>Check                            | #Bottles<br>Sent to<br>Lab | Bottle<br>Group       |                        |                   |
| Bloom ID (PT-50mL)                                                                                                                                                                           |                                                                      | <input checked="" type="checkbox"/> BLOOM-ID                            |                                                                                                                                         | <input checked="" type="checkbox"/> Ice                                |            |                                        |                            |                       |                        |                   |
| Chlorophyll (BP-1L)                                                                                                                                                                          |                                                                      | <input checked="" type="checkbox"/> CHLSUITE-W                          |                                                                                                                                         | <input checked="" type="checkbox"/> Ice                                |            |                                        |                            |                       |                        |                   |
| Toxins (BG-WD250)                                                                                                                                                                            |                                                                      | <input checked="" type="checkbox"/> W-MCYST-AA                          |                                                                                                                                         | <input checked="" type="checkbox"/> Ice                                |            |                                        |                            |                       |                        |                   |
| 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 type="checkbox"/> H2SO4 |            | <input checked="" type="checkbox"/> <2 |                            |                       |                        |                   |
|                                                                                                                                                                                              |                                                                      | Acid Lot:                                                               |                                                                                                                                         | Exp:                                                                   |            |                                        |                            |                       |                        |                   |
| Filtered Nutrients<br>(P125mL)                                                                                                                                                               |                                                                      | <input checked="" type="checkbox"/> W-PO4-F                             |                                                                                                                                         | <input checked="" type="checkbox"/> Field Filtered 0.45µm Filter       |            | <input type="checkbox"/> Ice           |                            |                       |                        |                   |
|                                                                                                                                                                                              |                                                                      | Filter Lot #                                                            |                                                                                                                                         |                                                                        |            |                                        |                            |                       |                        |                   |
| Quantitative Algae                                                                                                                                                                           |                                                                      | <input checked="" type="checkbox"/> DTY-QN-C / PKD-QN-C                 |                                                                                                                                         | <input checked="" type="checkbox"/> Ice                                |            | Lugols? Y / N                          |                            |                       |                        |                   |
| Relinquished By:                                                                                                                                                                             |                                                                      | Date/Time                                                               |                                                                                                                                         | Number of Coolers Shipped                                              |            | Received By:                           |                            | Date/Time             |                        |                   |
|                                                                                                                                                                                              |                                                                      |                                                                         |                                                                                                                                         |                                                                        |            |                                        |                            |                       |                        |                   |



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|                                                                                                                                                                                                                          |                                                                      |                                                                                                                                               |                |                           |                                                                        |                        |                                       |                            |                        |                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------------------|------------------------------------------------------------------------|------------------------|---------------------------------------|----------------------------|------------------------|---------------------|
| RQ -                                                                                                                                                                                                                     |                                                                      | Collected By:                                                                                                                                 |                |                           |                                                                        |                        |                                       |                            |                        |                     |
| Customer:                                                                                                                                                                                                                |                                                                      | Field Report Prepared By:                                                                                                                     |                |                           |                                                                        |                        |                                       |                            |                        |                     |
| Project ID:                                                                                                                                                                                                              |                                                                      | Sampling Agency:                                                                                                                              |                |                           |                                                                        |                        |                                       |                            |                        |                     |
| Location:                                                                                                                                                                                                                |                                                                      | Comments:                                                                                                                                     |                |                           |                                                                        |                        |                                       |                            |                        |                     |
| Field ID:<br><b>SEHAB0025</b>                                                                                                                                                                                            |                                                                      | Coordinates:                                                                                                                                  |                |                           |                                                                        |                        |                                       |                            |                        |                     |
|                                                                                                                                                                                                                          |                                                                      | Collection Equip:                                                                                                                             |                |                           |                                                                        |                        |                                       |                            |                        |                     |
| WIN ID:                                                                                                                                                                                                                  |                                                                      | High Tide Time:                                                                                                                               |                |                           |                                                                        |                        |                                       |                            |                        |                     |
| Matrix:                                                                                                                                                                                                                  |                                                                      | Low Tide Time:                                                                                                                                |                |                           |                                                                        |                        |                                       |                            |                        |                     |
|                                                                                                                                                                                                                          |                                                                      | 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 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>(PPTth) |
| 05/03                                                                                                                                                                                                                    | 1105                                                                 | 42.3                                                                                                                                          | 3.33           | 28.2                      | 7.21                                                                   | 0.3                    |                                       |                            | 387.4                  | 0.18                |
|                                                                                                                                                                                                                          |                                                                      | 9.0                                                                                                                                           | 0.70           | 29.0                      | 7.01                                                                   | 2.3                    | 2.8                                   | 0.4                        | 401.0                  | 0.19                |
| Bloom Observations                                                                                                                                                                                                       |                                                                      |                                                                                                                                               |                |                           |                                                                        |                        |                                       |                            |                        |                     |
| Algal Bloom Observed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                                                |                                                                      |                                                                                                                                               |                |                           |                                                                        |                        |                                       |                            |                        |                     |
| Water Surface <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Scum <input checked="" type="checkbox"/> Globs <input checked="" 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 checked="" type="checkbox"/> Other: <u>Blue</u> <input type="checkbox"/> N/A                    |                                                                      |                                                                                                                                               |                |                           |                                                                        |                        |                                       |                            |                        |                     |
| Algae Distribution <input checked="" type="checkbox"/> Suspended in water column <input checked="" type="checkbox"/> On surface <input type="checkbox"/> Other: <input type="checkbox"/> N/A                             |                                                                      |                                                                                                                                               |                |                           |                                                                        |                        |                                       |                            |                        |                     |
| Water Odors <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Sewage <input type="checkbox"/> Petroleum <input type="checkbox"/> Chemical <input type="checkbox"/> Other: <input type="checkbox"/> N/A |                                                                      |                                                                                                                                               |                |                           |                                                                        |                        |                                       |                            |                        |                     |
|                                                                                                                                                                                                                          |                                                                      |                                                                                                                                               |                |                           |                                                                        |                        |                                       |                            |                        |                     |
| Parameter Suite                                                                                                                                                                                                          |                                                                      | Parameter Methods                                                                                                                             |                |                           | Preservation                                                           |                        | pH<br>Check                           | #Bottles<br>Sent to<br>Lab | Bottle<br>Group        |                     |
| Bloom ID (PT-50mL)                                                                                                                                                                                                       |                                                                      | <input checked="" type="checkbox"/> BLOOM-ID                                                                                                  |                |                           | <input checked="" type="checkbox"/> Ice                                |                        |                                       |                            |                        |                     |
| Chlorophyll (BP-1L)                                                                                                                                                                                                      |                                                                      | <input type="checkbox"/> CHLSUITE-W                                                                                                           |                |                           | <input type="checkbox"/> Ice                                           |                        |                                       |                            |                        |                     |
| Toxins (BG-WD250)                                                                                                                                                                                                        |                                                                      | <input type="checkbox"/> W-MCYST-AA                                                                                                           |                |                           | <input type="checkbox"/> Ice                                           |                        |                                       |                            |                        |                     |
|                                                                                                                                                                                                                          |                                                                      | <input type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP                                                                                  |                |                           | <input checked="" type="checkbox"/> Ice <input type="checkbox"/> H2SO4 |                        | <input checked="" type="checkbox"/> 2 |                            |                        |                     |
| Preserved Nutrients<br>(500mL HDPE)                                                                                                                                                                                      |                                                                      | Acid Lot:                                                                                                                                     |                |                           | Exp:                                                                   |                        |                                       |                            |                        |                     |
| Filtered Nutrients<br>(P125mL)                                                                                                                                                                                           |                                                                      | <input checked="" type="checkbox"/> W-PO4-F                                                                                                   |                |                           | <input checked="" type="checkbox"/> Field Filtered 0.45µm Filter       |                        | <input type="checkbox"/> Ice          |                            |                        |                     |
|                                                                                                                                                                                                                          |                                                                      | Filter Lot #                                                                                                                                  |                |                           |                                                                        |                        |                                       |                            |                        |                     |
| Quantitative Algae                                                                                                                                                                                                       |                                                                      | <input type="checkbox"/> DTP-QN-C / PKD-QN-C                                                                                                  |                |                           | <input checked="" type="checkbox"/> Ice                                |                        | Lugols? Y / N                         |                            |                        |                     |
| Relinquished By:                                                                                                                                                                                                         |                                                                      | Date/Time                                                                                                                                     |                | Number of Coolers Shipped |                                                                        | Received By:           |                                       | Date/Time                  |                        |                     |
|                                                                                                                                                                                                                          |                                                                      |                                                                                                                                               |                |                           |                                                                        |                        |                                       |                            |                        |                     |



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|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------|----------------------------------------|----------------------------|-----------------------|------------------------|---------------------|
| RQ -                                                                                      |                                                                         | Collected By:                                       |                                                                                                                              |                                                                  |                                           |                                        |                            |                       |                        |                     |
| Customer:                                                                                 |                                                                         | Field Report Prepared By:                           |                                                                                                                              |                                                                  |                                           |                                        |                            |                       |                        |                     |
| Project ID:                                                                               |                                                                         | Sampling Agency:                                    |                                                                                                                              |                                                                  |                                           |                                        |                            |                       |                        |                     |
| Location:                                                                                 |                                                                         | Comments:                                           |                                                                                                                              |                                                                  |                                           |                                        |                            |                       |                        |                     |
| Field ID:<br><b>SEHAB0026 24</b><br><b>DL</b>                                             |                                                                         | Coordinates:                                        |                                                                                                                              |                                                                  |                                           |                                        |                            |                       |                        |                     |
| WIN ID:                                                                                   |                                                                         | Collection Equip:                                   |                                                                                                                              |                                                                  |                                           |                                        |                            |                       |                        |                     |
| Matrix:                                                                                   |                                                                         | High Tide Time:                                     | Low Tide Time:                                                                                                               |                                                                  |                                           |                                        |                            |                       |                        |                     |
| Grab                                                                                      |                                                                         | Tide:                                               | <input type="checkbox"/> Rising <input type="checkbox"/> Falling <input type="checkbox"/> Slack <input type="checkbox"/> N/A |                                                                  |                                           |                                        |                            |                       |                        |                     |
| Water Quality                                                                             |                                                                         |                                                     |                                                                                                                              |                                                                  |                                           |                                        |                            |                       |                        |                     |
| Date                                                                                      | Time<br><input 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>(PPTth) |
| 05/03                                                                                     | 1110                                                                    | 99.5                                                | 7.62                                                                                                                         | 28.5                                                             | 8.01                                      | 0.3                                    |                            |                       | 375.7                  | 0.18                |
|                                                                                           |                                                                         | 32.1                                                | 2.56                                                                                                                         | 26.7                                                             | 7.15                                      | 3.0                                    | 3.5                        | 0.4                   | 385.4                  | 0.18                |
| Bloom Observations                                                                        |                                                                         |                                                     |                                                                                                                              |                                                                  |                                           |                                        |                            |                       |                        |                     |
| Algal Bloom Observed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                                                                         |                                                     |                                                                                                                              |                                                                  |                                           |                                        |                            |                       |                        |                     |
| Water Surface                                                                             | <input checked="" type="checkbox"/> Clear                               | <input checked="" type="checkbox"/> Scum            | <input checked="" type="checkbox"/> Globs                                                                                    | <input checked="" type="checkbox"/> Slick                        |                                           |                                        |                            |                       |                        |                     |
| Water Clarity                                                                             | <input checked="" type="checkbox"/> Clear                               | <input checked="" 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 checked="" type="checkbox"/> Other: <u>Blue</u>           | <input type="checkbox"/> N/A              |                                        |                            |                       |                        |                     |
| Algae Distribution                                                                        | <input checked="" type="checkbox"/> Suspended in water column           | <input checked="" type="checkbox"/> On surface      | <input type="checkbox"/> Other:                                                                                              | <input type="checkbox"/> N/A                                     |                                           |                                        |                            |                       |                        |                     |
| Water Odors                                                                               | <input 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<br>Check                            | #Bottles<br>Sent to<br>Lab | Bottle<br>Group       |                        |                     |
| Bloom ID (PT-50mL)                                                                        | <input checked="" type="checkbox"/> BLOOM-ID                            |                                                     |                                                                                                                              | <input type="checkbox"/> Ice                                     |                                           |                                        |                            |                       |                        |                     |
| Chlorophyll (BP-1L)                                                                       | <input checked="" type="checkbox"/> CHLSUITE-W                          |                                                     |                                                                                                                              | <input checked="" type="checkbox"/> Ice                          |                                           |                                        |                            |                       |                        |                     |
| Toxins (BG-WD250)                                                                         | <input checked="" type="checkbox"/> W-MCYST-AA                          |                                                     |                                                                                                                              | <input checked="" type="checkbox"/> Ice                          |                                           |                                        |                            |                       |                        |                     |
| 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 |                            |                       |                        |                     |
|                                                                                           | Acid Lot:                                                               |                                                     |                                                                                                                              | Exp:                                                             |                                           |                                        |                            |                       |                        |                     |
| Filtered Nutrients<br>(P125mL)                                                            | <input checked="" type="checkbox"/> W-PO4-F                             |                                                     |                                                                                                                              | <input checked="" type="checkbox"/> Field Filtered 0.45µm Filter |                                           | <input type="checkbox"/> Ice           |                            |                       |                        |                     |
| Quantitative Algae                                                                        | <input checked="" type="checkbox"/> DTY-QN-C / PKD-QN-C                 |                                                     |                                                                                                                              | <input checked="" type="checkbox"/> Ice                          |                                           | Lugols? Y / N                          |                            |                       |                        |                     |
| Relinquished By:                                                                          | Date/Time                                                               | Number of Coolers Shipped                           |                                                                                                                              |                                                                  | Received By:                              | Date/Time                              |                            |                       |                        |                     |