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AB-17-1.10

BLACK LAKE



Site Name: Black Lake Bloom Response

Appendix A

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CYANOBACTERIA BLOOM RESPONSE FIELD DATA SHEET (7-8-08 V2)

|                                                                                                                                                                                                                        |                                                                                           |                                    |                                                                                   |           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------|-----------------------------------------------------------------------------------|-----------|
| WATERBODY<br><b>BLACK LAKE</b>                                                                                                                                                                                         |                                                                                           | DATE (M/D/YYYY):<br><b>5-15-19</b> | TIME: (AM)<br><b>1615</b>                                                         | Case ID#: |
| COUNTY:<br><b>PASCO</b>                                                                                                                                                                                                | LOCATION:<br><b>SOUTH WEST SIDE LAKE</b>                                                  |                                    | NEAREST TOWN/CITY:<br><b>LATE</b>                                                 |           |
| Visit Type:<br>Initial <input checked="" type="checkbox"/><br>Recon <input type="checkbox"/><br>Sampling <input type="checkbox"/><br>Follow-up <input type="checkbox"/>                                                | Samples collected:<br><input checked="" type="checkbox"/> yes <input type="checkbox"/> no | Samples submitted to:              | Photos Taken: <input checked="" type="checkbox"/> yes <input type="checkbox"/> no |           |
| Sample collection method:<br>Single Grab: <input checked="" type="checkbox"/> Grab Composite: <input type="checkbox"/> Depth integrated composite: <input type="checkbox"/>                                            |                                                                                           |                                    |                                                                                   |           |
| Sample & Analysis types: Aqueous: <input checked="" type="checkbox"/> Surface Scum: <input type="checkbox"/> Benthic mat: <input type="checkbox"/> Tissue: <input type="checkbox"/>                                    |                                                                                           |                                    |                                                                                   |           |
| Algal ID & enumeration: <input type="checkbox"/> Nutrients: <input type="checkbox"/> Chl-a: <input type="checkbox"/> AGP: <input type="checkbox"/> Turbidity: <input type="checkbox"/> Toxin: <input type="checkbox"/> |                                                                                           |                                    |                                                                                   |           |
| Estimated size of bloom: Impounded: <input type="checkbox"/> yes <input type="checkbox"/> no                                                                                                                           |                                                                                           |                                    |                                                                                   |           |
| Lake/Estuary Typical depth: Inflows: <input checked="" type="checkbox"/> yes <input type="checkbox"/> no                                                                                                               |                                                                                           |                                    |                                                                                   |           |
| Outflows: <input type="checkbox"/> yes <input type="checkbox"/> no                                                                                                                                                     |                                                                                           |                                    |                                                                                   |           |
| Stream/River/Canal: <input type="checkbox"/> m wide                                                                                                                                                                    |                                                                                           |                                    |                                                                                   |           |
| Typical Transect: <input type="checkbox"/> m deep <input type="checkbox"/> m deep <input type="checkbox"/> m deep                                                                                                      |                                                                                           |                                    |                                                                                   |           |
| Water velocity: <input type="checkbox"/> m/s <input type="checkbox"/> m/s <input type="checkbox"/> m/s                                                                                                                 |                                                                                           |                                    |                                                                                   |           |
| Left bank Middle Right bank                                                                                                                                                                                            |                                                                                           |                                    |                                                                                   |           |

|                                                                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Canopy Cover: Open: <input checked="" type="checkbox"/> Lightly Shaded (11-45%): <input type="checkbox"/> Moderately Shaded (46-80%): <input type="checkbox"/> Heavily Shaded: <input type="checkbox"/> |
| Description of Bloom/ Latitude: Degrees Minutes Seconds Longitude: Degrees Minutes Seconds                                                                                                              |
| Present Weather conditions: <b>CLEAR, SUNNY</b> <b>Whole Lake</b> <b>28.21321 N</b> <b>82.4359 W</b>                                                                                                    |
| Print a map from GIS tool or Internet mapping service (e.g., Mapquest, Google Map) <b>SCUM</b> Last rain event <b>5-14-19</b>                                                                           |
| Sketch bloom area on the attached map. Indicate wind direction. <b>SCUM BLOOM ON S. EDGE OF LAKE BEHIND HOUSE # 3844</b> Rainfall amount <b>MODERATE</b>                                                |

| WATER QUALITY | Depth (m): | Temp. (°C):  | pH (SU):    | D.O. (mg/l): | Cond. (µmho/cm) or Salinity (ppt): | Secchi (m) |
|---------------|------------|--------------|-------------|--------------|------------------------------------|------------|
| Top           | <b>0.2</b> | <b>31.65</b> | <b>8.07</b> | <b>10.44</b> | <b>568</b>                         | <b>55</b>  |
| Mid-depth     |            |              |             |              |                                    |            |
| Bottom        |            |              |             |              |                                    |            |

|                                                                                                                                                                                                                                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System Type: Stream: <input type="checkbox"/> (1st - 2nd order / 3rd - 4th order / 5th - 6th order / 7th order or greater) Lake: <input checked="" type="checkbox"/> Wetland: <input type="checkbox"/> Estuary: <input type="checkbox"/> Other: <input type="checkbox"/> |
| Water Odors (check box): Normal: <input checked="" type="checkbox"/> Sewage: <input type="checkbox"/> Petroleum: <input type="checkbox"/> Chemical: <input type="checkbox"/> Other: <input type="checkbox"/>                                                             |
| Water Surface (check box): Clear: <input type="checkbox"/> Scum: <input checked="" type="checkbox"/> Globbs: <input type="checkbox"/> Slick: <input type="checkbox"/>                                                                                                    |
| Water Clarity (check box): Clear: <input type="checkbox"/> Slightly turbid: <input checked="" type="checkbox"/> Turbid: <input type="checkbox"/> Opaque: <input type="checkbox"/>                                                                                        |
| Bloom Color (check box): Green: <input checked="" type="checkbox"/> Red: <input type="checkbox"/> Brown: <input type="checkbox"/> Other: <input type="checkbox"/>                                                                                                        |

|                                                                                                |                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Notes: <b>FILAMENTOUS ALGAE ON SURFACE. BIRD ROCKERY LOCATED ON ISLAND ON N. SIDE OF LAKE.</b> | Abundance:<br>Periphyton <input type="checkbox"/> Absent <input type="checkbox"/> Rare <input type="checkbox"/> Common <input checked="" type="checkbox"/> Abundant <input checked="" type="checkbox"/><br>Fish <input type="checkbox"/><br>Aquatic Macrophytes <input type="checkbox"/><br>Iron/sulfur Bacteria <input checked="" type="checkbox"/> |
|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                          |                        |              |
|----------------------------------------------------------|------------------------|--------------|
| VISIT TEAM:<br><b>JUDY ASHTON</b><br><b>BEN PASWATER</b> | AGENCY:<br><b>FDEP</b> | <b>SWROC</b> |
|----------------------------------------------------------|------------------------|--------------|

**Algal Bloom Response - as needed**

**Customer: SW-DIST**

**Requester:** Matthew Bearden

Field Report Prepared By:

Project ID: BLOOM-RESP

Collected By: Shay Ashton, Ben Patterson

**Sampling Agency:**

|                                       |  |            |  |                                      |  |           |  |                           |  |                 |  |
|---------------------------------------|--|------------|--|--------------------------------------|--|-----------|--|---------------------------|--|-----------------|--|
| Location                              |  | Black Lake |  | Site Name: Black Lake Bloom Response |  | Latitude  |  | Longitude                 |  | Bottle Group(s) |  |
| Field                                 |  | WIN        |  | Date 5-15-19                         |  | Time 1415 |  | Composite end Date        |  | Time            |  |
| Matrix (type, e.g., Salt, Fresh, etc) |  | pH         |  | Diss. Oxygen                         |  | mg/L      |  | Total Res. Chlorine       |  | (mg/L)          |  |
| Temp (C)                              |  | 31.65      |  | pH                                   |  | 8.67      |  | Sample Depth              |  | 0.2             |  |
| Salinity (ppt)                        |  | dd         |  | Comments                             |  | m         |  | Sp. Conductance (umho/cm) |  | 568             |  |
| dd                                    |  | dms        |  | dd                                   |  | dms       |  | dd                        |  | dms             |  |
| Location                              |  | Field ID   |  | WIN/STORET #                         |  | Latitude  |  | Longitude                 |  | Bottle Group(s) |  |
| dd                                    |  | dms        |  | dd                                   |  | dms       |  | dd                        |  | dms             |  |
| dd                                    |  | dms        |  | dd                                   |  | dms       |  | dd                        |  | dms             |  |
| Location                              |  | Field ID   |  | WIN/STORET #                         |  | Latitude  |  | Longitude                 |  | Bottle Group(s) |  |
| dd                                    |  | dms        |  | dd                                   |  | dms       |  | dd                        |  | dms             |  |
| dd                                    |  | dms        |  | dd                                   |  | dms       |  | dd                        |  | dms             |  |
| Location                              |  | Field ID   |  | WIN/STORET #                         |  | Latitude  |  | Longitude                 |  | Bottle Group(s) |  |
| dd                                    |  | dms        |  | dd                                   |  | dms       |  | dd                        |  | dms             |  |
| dd                                    |  | dms        |  | dd                                   |  | dms       |  | dd                        |  | dms             |  |

|                                       |                                  |                                  |                                        |              |           |
|---------------------------------------|----------------------------------|----------------------------------|----------------------------------------|--------------|-----------|
| Relinquished By:<br><i>J. Azizian</i> | Date/Time<br><i>5-15-15 1700</i> | Shipping Method<br><i>fed ex</i> | Number of Coolers Shipped:<br><i>1</i> | Received By: | Date/Time |
|---------------------------------------|----------------------------------|----------------------------------|----------------------------------------|--------------|-----------|