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CYANOBACTERIA BLOOM RESPONSE FIELD DATA SHEET

(7-6-06 V2)

|                                                                                                                                                                                                         |                                                                                           |                                                                                                                                                                                                                                                                                                             |                                                |                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-----------------------------------------|
| WATERBODY<br><b>MALAGA CANAL</b>                                                                                                                                                                        |                                                                                           | DATE (M/D/Y):<br><b>9/20/18</b>                                                                                                                                                                                                                                                                             | TIME: (AM)<br><b>1210</b>                      | Case ID#:<br><b>SD-09212018-001</b>     |
| COUNTY:<br><b>LEE</b>                                                                                                                                                                                   |                                                                                           | LOCATION:                                                                                                                                                                                                                                                                                                   |                                                | NEAREST TOWN/CITY:<br><b>CAPE CORAL</b> |
| Visit Type:<br><input checked="" type="checkbox"/> Initial<br><input checked="" type="checkbox"/> Recon<br><input checked="" type="checkbox"/> Sampling<br><input checked="" type="checkbox"/> Follow-  | Samples collected:<br><input checked="" type="checkbox"/> yes <input type="checkbox"/> no |                                                                                                                                                                                                                                                                                                             | Samples submitted to:<br><b>FDEP TAUNASSEE</b> |                                         |
| Sample collection method:<br>Single Grab: <input checked="" type="checkbox"/> Grab Composite: <input type="checkbox"/> Depth integrated composite: <input type="checkbox"/>                             |                                                                                           | Photos Taken: <input checked="" type="checkbox"/> yes <input type="checkbox"/> no                                                                                                                                                                                                                           |                                                |                                         |
| Sample & Analysis types:<br>Aqueous: <input checked="" type="checkbox"/> Surface Scum: <input type="checkbox"/> Benthic mat: <input type="checkbox"/> Tissue: <input type="checkbox"/>                  |                                                                                           | Algal ID & enumeration: <input checked="" type="checkbox"/> Nutrients: <input checked="" type="checkbox"/> Chl-a: <input checked="" type="checkbox"/> AGP: <input checked="" type="checkbox"/> Turbidity: <input checked="" type="checkbox"/> Toxin: <input checked="" type="checkbox"/> <b>MICROCYSTIN</b> |                                                |                                         |
| Estimated size of bloom:<br><b>ENTIRE CANAL</b>                                                                                                                                                         |                                                                                           | Impounded: <input type="checkbox"/> yes <input type="checkbox"/> no                                                                                                                                                                                                                                         |                                                |                                         |
| Lake/Estuary Typical depth:<br><input type="checkbox"/> m deep                                                                                                                                          |                                                                                           | Stream/River/Canal: <b>15</b> m wide                                                                                                                                                                                                                                                                        |                                                |                                         |
| Inflows: <input type="checkbox"/> yes <input checked="" type="checkbox"/> no                                                                                                                            |                                                                                           | Typical Transect: <input type="checkbox"/> 1 m deep <input type="checkbox"/> 2 m deep <input type="checkbox"/> 1 m deep                                                                                                                                                                                     |                                                |                                         |
| Outflows: <input type="checkbox"/> yes <input type="checkbox"/> no                                                                                                                                      |                                                                                           | Water velocity: <input type="checkbox"/> 0.15 m/s <input type="checkbox"/> 0.15 m/s <input type="checkbox"/> 0.15 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: <b>26</b> <b>33</b> <b>58.344</b> Longitude: <b>-81</b> <b>56</b> <b>37.535</b>                                                                                                                                                                                                                   |                                                |                                         |
| Present Weather conditions:<br><b>HOT + SUNNY</b>                                                                                                                                                       |                                                                                           |                                                                                                                                                                                                                                                                                                             |                                                |                                         |
| Print a map from GIS tool or Internet mapping service (e.g., Mapquest, Google Map)                                                                                                                      |                                                                                           | Last rain event: _____                                                                                                                                                                                                                                                                                      |                                                |                                         |
| Sketch bloom area on the attached map. Indicate wind direction.                                                                                                                                         |                                                                                           | Rainfall amount: _____                                                                                                                                                                                                                                                                                      |                                                |                                         |

| WATER QUALITY | Depth (m): | Temp. (°C):  | pH (SU):    | D.O. (mg/l): | Cond. (µmho/cm) or Salinity (ppt): | TOTAL DEPTH | D.O. %      | Secch(m)   |
|---------------|------------|--------------|-------------|--------------|------------------------------------|-------------|-------------|------------|
| Top           | <b>0.3</b> | <b>32.18</b> | <b>7.55</b> | <b>6.10</b>  | <b>3876</b>                        | <b>1.2</b>  | <b>84.7</b> | <b>0.9</b> |
| Mid-depth     |            |              |             |              |                                    |             |             |            |
| Bottom        |            |              |             |              |                                    |             |             |            |

|                                                                                                                                                                                                                                                                                                                                                                                   |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| System Type: Stream: <input type="checkbox"/> 1st - 2nd order <input type="checkbox"/> 3rd - 4th order <input type="checkbox"/> 5th - 6th order <input type="checkbox"/> 7th order or greater <input type="checkbox"/> Lake: <input type="checkbox"/> Wetland: <input type="checkbox"/> Estuary: <input type="checkbox"/> Other: <input checked="" type="checkbox"/> <b>CANAL</b> |  |
| 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 type="checkbox"/> Globbs: <input type="checkbox"/> Slick: <input checked="" type="checkbox"/>                                                                                                                                                                                                             |  |
| Water Clarity (check box): Clear: <input type="checkbox"/> Slightly turbid: <input type="checkbox"/> Turbid: <input checked="" 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<br><b>GREEN SLICK PRESENT IN ENTIRE CANAL</b><br><b>LAWN CLIPPINGS MIXED IN.</b> | Abundance:           | Absent                              | Rare                     | Common                              | Abundant                 |
|                                                                                        | Periphyton           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |
|                                                                                        | Fish                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|                                                                                        | Aquatic Macrophytes  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |
|                                                                                        | Iron/sulfur Bacteria | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |

|                                       |                                |             |
|---------------------------------------|--------------------------------|-------------|
| VISIT TEAM:<br><b>JOHN BARRINGTON</b> | AGENCY:<br><b>CHASE CONLEY</b> | FDEP SURVEY |
|---------------------------------------|--------------------------------|-------------|