

Sanibel Dune Lakes

## Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: SO-DIST

Requester: Maryann Dugan

Field Report Prepared By: Mark Thompson

Project ID: SMP

Collected By: Mark Thompson

Sampling Agency: SCCF Marine Lab

|                                                                         |  |                                                                           |  |                                                           |  |                                                                                       |  |                               |  |                                  |  |
|-------------------------------------------------------------------------|--|---------------------------------------------------------------------------|--|-----------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|-------------------------------|--|----------------------------------|--|
| Location<br>Sanibel Dune Lakes (DL04) near Dunesweir                    |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab |  | Collection (comp begin or grab)<br>Date 9-15-17 Time 0830 |  | Eastern<br>Central                                                                    |  | Composite end<br>Date Time    |  | Bottle<br>Group(s)<br>(See pg 2) |  |
| Field ID<br>Downstream                                                  |  | Matrix (type, e.g., Salt, Fresh, etc)<br>Estuine                          |  | Diss. Oxygen<br>10.5% (13.1%)                             |  | <input checked="" type="checkbox"/> mg/L<br><input checked="" type="checkbox"/> % sat |  | Total Res. Chlorine<br>(mg/L) |  | A                                |  |
| STORET #                                                                |  | Temp<br>(C) 29.4                                                          |  | pH 7.45                                                   |  | Sample<br>Depth 0.1                                                                   |  | Sp. Conductance<br>(umho/cm)  |  |                                  |  |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms |  | Longitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms  |  | Salinity<br>(ppt) 1.9                                     |  | Comments<br>Discharging over weir                                                     |  |                               |  |                                  |  |
| Location                                                                |  | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            |  | Collection (comp begin or grab)<br>Date Time              |  | Eastern<br>Central                                                                    |  | Composite end<br>Date Time    |  | Bottle<br>Group(s)               |  |
| Field ID                                                                |  | Matrix (type, e.g., Salt, Fresh, etc)                                     |  | Diss. Oxygen                                              |  | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat                       |  | Total Res. Chlorine<br>(mg/L) |  |                                  |  |
| STORET #                                                                |  | Temp<br>(C)                                                               |  | pH                                                        |  | Sample<br>Depth                                                                       |  | Sp. Conductance<br>(umho/cm)  |  |                                  |  |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms |  | Longitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms  |  | Salinity<br>(ppt)                                         |  | Comments                                                                              |  |                               |  |                                  |  |
| Location                                                                |  | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            |  | Collection (comp begin or grab)<br>Date Time              |  | Eastern<br>Central                                                                    |  | Composite end<br>Date Time    |  | Bottle<br>Group(s)               |  |
| Field ID                                                                |  | Matrix (type, e.g., Salt, Fresh, etc)                                     |  | Diss. Oxygen                                              |  | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat                       |  | Total Res. Chlorine<br>(mg/L) |  |                                  |  |
| STORET #                                                                |  | Temp<br>(C)                                                               |  | pH                                                        |  | Sample<br>Depth                                                                       |  | Sp. Conductance<br>(umho/cm)  |  |                                  |  |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms |  | Longitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms  |  | Salinity<br>(ppt)                                         |  | Comments                                                                              |  |                               |  |                                  |  |
| Location                                                                |  | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            |  | Collection (comp begin or grab)<br>Date Time              |  | Eastern<br>Central                                                                    |  | Composite end<br>Date Time    |  | Bottle<br>Group(s)               |  |
| Field ID                                                                |  | Matrix (type, e.g., Salt, Fresh, etc)                                     |  | Diss. Oxygen                                              |  | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat                       |  | Total Res. Chlorine<br>(mg/L) |  |                                  |  |
| STORET #                                                                |  | Temp<br>(C)                                                               |  | pH                                                        |  | Sample<br>Depth                                                                       |  | Sp. Conductance<br>(umho/cm)  |  |                                  |  |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms |  | Longitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms  |  | Salinity<br>(ppt)                                         |  | Comments                                                                              |  |                               |  |                                  |  |
| Location                                                                |  | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            |  | Collection (comp begin or grab)<br>Date Time              |  | Eastern<br>Central                                                                    |  | Composite end<br>Date Time    |  | Bottle<br>Group(s)               |  |
| Field ID                                                                |  | Matrix (type, e.g., Salt, Fresh, etc)                                     |  | Diss. Oxygen                                              |  | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat                       |  | Total Res. Chlorine<br>(mg/L) |  |                                  |  |
| STORET #                                                                |  | Temp<br>(C)                                                               |  | pH                                                        |  | Sample<br>Depth                                                                       |  | Sp. Conductance<br>(umho/cm)  |  |                                  |  |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms |  | Longitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms  |  | Salinity<br>(ppt)                                         |  | Comments                                                                              |  |                               |  |                                  |  |

|                              |                    |                      |                              |                             |                     |
|------------------------------|--------------------|----------------------|------------------------------|-----------------------------|---------------------|
| Relinquished By: [Signature] | Date/Time: 9-19-17 | Shipping Method: 10X | Number of Coolers Shipped: 1 | Received By: Tyler Reynolds | Date/Time: 09/20/17 |
|------------------------------|--------------------|----------------------|------------------------------|-----------------------------|---------------------|

|          |              |         |                 |               |               |                                           |
|----------|--------------|---------|-----------------|---------------|---------------|-------------------------------------------|
| Group: A | Bottle Type: | P-1L    | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____ |
|          | ALKALINITY   |         |                 |               |               |                                           |
|          | TURBIDITY    |         |                 |               |               |                                           |
|          | W-CL-IC      |         |                 |               |               |                                           |
|          | W-COLOR      |         |                 |               |               |                                           |
|          | W-F          |         |                 |               |               |                                           |
|          | W-SO4-IC     |         |                 |               |               |                                           |
|          | W-TDS        |         |                 |               |               |                                           |
|          | W-TSS        |         |                 |               |               |                                           |
| Group: A | Bottle Type: | BP-1L   | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____ |
|          | CHLSUITE-W   |         |                 |               |               |                                           |
| Group: A | Bottle Type: | P-500ML | # of Bottles: 1 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab _____ |
|          | W-NH3        |         |                 |               |               |                                           |
|          | W-NO2NO3     |         |                 |               |               |                                           |
|          | W-S-A-TP     |         |                 |               |               |                                           |
|          | W-TKN        |         |                 |               |               |                                           |
|          | W-TOC        |         |                 |               |               |                                           |
| Group: A | Bottle Type: | P-125ML | # of Bottles: 1 | Preservative: | ICE-FLTR      | Enter Number of Bottles Sent to Lab _____ |
|          | W-PO4-F      |         |                 |               |               |                                           |

Date of Request: 29-AUG-2017  
 Created By: DUGAN\_M On: 29-AUG-2017  
 Modified By: SWANSON\_C On: 01-SEP-2017  
 Customer: SO-DIST  
 Project: SMP  
 Division: Not Applicable  
 District:  
 Sampling Event: Sanibel Dune Lakes

**Send Coolers To:**

Phone: 239-395-4616  
 Marine Lab, SCCF  
 900A Tarpon Bay Road  
 Sanibel, FL 33957  
 Attn: Eric Milbrandt

Program Module Number:  
 Priority: 3  
 Event Status: S  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 31-AUG-2017  
 Biology Request Reviewed By: SWANSON\_C On: 01-SEP-2017  
 Sampling Kit Required: YES Ship on: 05-SEP-2017  
 Sampling Kit Shipped: YES On: 05-SEP-2017  
 Sampling Kit Packed By: REAVES\_S  
 Preservatives Needed: YES  
 Date to Receive Samples: 11-SEP-2017  
 Received By:

**Send Final Report To:**

FLDEP South District Office  
 2295 Victoria Ave. Suite 364  
 Fort Myers, FL 33901  
 Attn: Maryann Dugan

Report Type: Final Only  
 FTP Data: NO  
 QC Report: YES  
 Date Log: NO  
 Authorization Log: NO

Comments: Sanibel Dune Lakes

1 - vial of sulfuric acid

**Bottle Group A (Water) With 1 Samples:**

|                                   |                      |                                                                                                              |
|-----------------------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L                 | Number of Bottles: 1 | Preserved With: ICE                                                                                          |
| ALKALINITY                        | Template: DEFAULT    | (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO <sub>3</sub> /L                                     |
| TURBIDITY                         | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                           |
| W-CL-IC                           | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                            |
| W-COLOR                           | Template: DEFAULT    | (SM 2120 B) True Color measured at 450 nm                                                                    |
| Color (true)                      |                      |                                                                                                              |
| W-F                               | Template: DEFAULT    | (SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)         |
| W-SO <sub>4</sub> -IC             | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                             |
| W-TDS                             | Template: DEFAULT    | (SM 2540 C-97) Total Dissolved Solids in aqueous matrices                                                    |
| W-TSS                             | Template: DEFAULT    | (SM 2540 D-97) Total Suspended Solids in aqueous matrices                                                    |
| Bottle Type: BP-1L                | Number of Bottles: 1 | Preserved With: ICE                                                                                          |
| CHLSUITE-W                        | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |
| Bottle Type: P-500ML              | Number of Bottles: 1 | Preserved With: ICE And H <sub>2</sub> SO <sub>4</sub>                                                       |
| W-NH <sub>3</sub>                 | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                   |
| W-NO <sub>2</sub> NO <sub>3</sub> | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                           |
| W-S-A-TP                          | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                          |
| W-TKN                             | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                             |
| W-TOC                             | Template: DEFAULT    | (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices                                               |
| Bottle Type: P-125ML              | Number of Bottles: 1 | Preserved With: ICE-FLTR                                                                                     |
| W-PO <sub>4</sub> -F              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                     |

# Log-in Checklist

RQ- 2017-09-11-56

Shipping Method: FEDEX/HD (circle one) Date/Time of Receipt: 09/20/17@10:15am

| Cooler ID | Cooler Temperature* | No. Sample Containers in Cooler | Evidence Tape |    |          |    | Tracking # (fill out only if waybill copy is damaged) |
|-----------|---------------------|---------------------------------|---------------|----|----------|----|-------------------------------------------------------|
|           |                     |                                 | Present?      |    | *Intact? |    |                                                       |
|           |                     |                                 | Yes           | No | Yes      | No |                                                       |
| Blue      | 1.8°C               | 4                               |               | ✓  |          |    | 811977802433                                          |
|           |                     |                                 |               |    |          |    |                                                       |
|           |                     |                                 |               |    |          |    |                                                       |
|           |                     |                                 |               |    |          |    |                                                       |
|           |                     |                                 |               |    |          |    |                                                       |
|           |                     |                                 |               |    |          |    |                                                       |

\*If the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX), or if Evidence Seal is damaged, identify the containers in the affected cooler(s) on back of this form.

**\*\*Note:** If "No" is checked in any of the fields below, fill out the back of this form with additional details (Field ID, Test IDs, etc.) and generate an NCR.

\*\*Chain of Custody/ Field Sheet(s) Included? Yes ✓ No   

## CONTAINER CHECK

\*\*Evidence Tape on Bottles? Yes    No ✓ If yes, is it intact? Yes    No   

\*\*Caps on tight? Yes ✓ No    \*\*Containers intact? Yes ✓ No   

\*\*Sufficient Sample Volume: Yes ✓ No   

## CHLORINE CHECK (Blue dot on container)

| Check the Box marked "Yes" or "No" for the Presence of Chlorine. If Cl detected, an NCR is required. |     |    |               |     |    |
|------------------------------------------------------------------------------------------------------|-----|----|---------------|-----|----|
| Analysis                                                                                             | Yes | No | Analysis      | Yes | No |
| W-1,4 DIOX                                                                                           |     |    | W-PC-AA-SF    |     |    |
| W-AHERB-AA (-AHB-AA-R)                                                                               |     |    | W-PCL-SQ (-R) |     |    |
| W-BNA (-625, -R)                                                                                     |     |    | W-PDQUAT      |     |    |
| W-CARB-AA (-CAB-AA-R)                                                                                |     |    | W-PESTNP-R    |     |    |
| W-ENDO-AA                                                                                            |     |    | W-PSCL-TQ     |     |    |
| W-GLYPH                                                                                              |     |    | W-PSNP-TQ     |     |    |
| W-NP-AA-SF                                                                                           |     |    | W-PST-CL-R    |     |    |
| W-PAH (-R)                                                                                           |     |    | W-TR-TQ       |     |    |
| W-PCB-R                                                                                              |     |    | W-CT-CI-R     |     |    |

## PRESERVATION CHECK (EXCLUDING SAMPLES SENT TO OVERFLOW LABS, "OV-")

\*\*Acid Preserved Samples: pH ≤ 2.0? Yes ✓ No    NA    Init: ML

\*\*W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes    No    NA ✓ Init: ML

Coolers Unpacked/Checked by: Tyler R. Date: 09/20/17 NCRs (Y/N)? N

Event ID: 50-DIST-2017-09-20-02 NCR #

## Log-in Checklist

### Samples with Incorrect pH Preservation or presence of Chlorine

| Field ID | Bottle Test ID(s) | pH / Cl | Action Taken |
|----------|-------------------|---------|--------------|
|          |                   |         |              |
|          |                   |         |              |
|          |                   |         |              |
|          |                   |         |              |

### Samples in Coolers with Incorrect Preservation or Damaged Evidence Tape

| Cooler ID | Field ID | Bottle Test ID(s) |
|-----------|----------|-------------------|
|           |          |                   |
|           |          |                   |
|           |          |                   |
|           |          |                   |
|           |          |                   |

### Bottles Not Intact

| Field ID | Bottle Test ID(s) | Loose Cap | Damaged Cap |    | Damaged Container |    | Evidence Tape Not Intact |
|----------|-------------------|-----------|-------------|----|-------------------|----|--------------------------|
|          |                   |           | CK          | BR | CK                | BR |                          |
|          |                   |           |             |    |                   |    |                          |
|          |                   |           |             |    |                   |    |                          |
|          |                   |           |             |    |                   |    |                          |

### Samples with Insufficient Volume for Analyses

| Field ID | Bottle Test ID(s) | Action Taken |
|----------|-------------------|--------------|
|          |                   |              |
|          |                   |              |
|          |                   |              |
|          |                   |              |

## ENCORE SAMPLES

**S-VOC-MS samples in Encores must be frozen within 48 hours of collection.**

Were Encore samples received? Yes\_\_\_\_ No ✓

Date and time placed in freezer \_\_\_\_\_

Were all samples placed in freezer within 48 hours of collection? Yes\_\_\_\_ No\_\_\_\_

If no, were samples shipped on dry ice? Yes\_\_\_\_ No\_\_\_\_

**FOR CLEAN LAB USE ONLY – Total Mercury Preservation Check (W-HG-AF; W-HG-AF-F):**

Samples preserved within 48 hours? Yes\_\_\_\_ No\_\_\_\_

Date and time samples preserved: \_\_\_\_\_

**Additional Comments:**