

RQ-2021-08-02-09

## Login Checklist

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 11/12/2021 9:45

| *Cooler Temperature | Samples Frozen?<br>YES | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |    |          |    | Waybill Tracking # |
|---------------------|------------------------|----------------------------------------|----------|---------------------------------------|---------------|----|----------|----|--------------------|
|                     |                        | HNO <sub>3</sub>                       | Formalin |                                       | Present?      |    | *Intact? |    |                    |
|                     |                        |                                        |          |                                       | Yes           | No | Yes      | No |                    |
| 1.1                 |                        |                                        |          | 2                                     |               | ✓  |          |    | 92938016 3350      |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |

## COOLER CHECK

\*All samples received on ice unless otherwise noted. HNO<sub>3</sub> and Formalin preserved samples do NOT have a temperature requirement.

- If the temperature of a cooler exceeds 6.0 oC (above 10.0 oC for W-1-4-DIOX and microbiology) or received without ice, identify affected samples in an NCR. NCR# \_\_\_\_\_
- DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C for W-1-4-DIOX) without login confirmation from customer for samples requiring ice preservation; identify affected samples in an NCR. NCR# \_\_\_\_\_
- If cooler or samples are received with a damaged Evidence Seal; identify the affected samples in an NCR. NCR# \_\_\_\_\_
- If coolers or samples are received late; identify the affected samples in an NCR. NCR# \_\_\_\_\_

Chain of Custody/ Field Sheet(s) Included?

Yes ☒ No ☐

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included?

Yes ☐ No ☒

## CONTAINER CHECK

Evidence Tape on Bottles?

Yes ☐ No ☐ NA ☒Evidence Tape intact? Yes ☐ No ☐

If Criminal, photographs taken?

Yes ☐ No ☐Containers intact? Yes ☒ No ☐

Caps on tight?

Yes ☒ No ☐

Sufficient Sample Volume:

Yes ☒ No ☐If NO is checked above, generate an NCR listing affected sample IDs in its appropriate category. NCR# \_\_\_\_\_

CHLORINE CHECK REQUIRED? (Blue dot on container)

Yes ☐ No ☒ Init: IM

Chlorine detected? (One container checked per Field ID)

Yes ☐ No ☐ Init: \_\_\_\_\_

If chlorine is detected, generate an NCR listing affected sample IDs . NCR# \_\_\_\_\_

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

\*\*Acid Preserved Samples: pH &lt; 2.0?

Yes ☐ No ☐ NA ☒ Init: IM

\*\*W-1-4-DIOX (Green dot on container) preserved to pH &lt; 4.0?

Yes ☐ No ☐ NA ☒ Init: IM

If samples were not preserved correctly, generate an NCR listing affected sample IDs . NCR# \_\_\_\_\_

Coolers Unpacked/Checked by: IM

Date: 11/12/2021

Event contains NCRs (Y/N)? ☒

Event ID: Lake Terrace/Lucerne (West)  
 CEN-DIST-2021-11-12-01 (SMP)  
 Date Received: 12-NOV-2021 09:45

## Login Checklist

### Login Preservation Equipment

### Lot # & Exp: Date

### Additional Comments:

|                          |                             |
|--------------------------|-----------------------------|
| Infrared Thermometer ID: | IR TEMP GUN #2 exp:10/19/22 |
| pH Test Strips 0 – 6     |                             |
| pH Paper 0 – 3           |                             |
| pH Paper 0 – 13          | 219019 exp: 7/1/22          |
| Chlorine Test Strips     | 0070 exp: 02/2023           |

Group A only  
- IM  
11/12/21

### ENCORE SAMPLES

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

Were Encore samples received? Yes \_\_\_\_\_ Init: \_\_\_\_\_

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 \_\_\_\_\_

If S-VOC-MS samples were not preserved correctly, generate an NCR listing affected sample IDs . NCR# \_\_\_\_\_

### **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: \_\_\_\_\_



**RQ-2021- 08-02-09**  
**Customer: CEN-DIST**  
**Project ID: SMP**

Collected By: Kari Lara-Murabito  
 Field Report Prepared By: Kari Lara-Murabito  
 Sampling Agency: City of Orlando

| WIN ID / Field ID →<br><br>Lake Terrace<br>SW of Center<br><br><br>G4CE0215 |                   |                                                                                                                                                                                                                                                          |           |               |    | Comments:                                                                               |                                         |                             |                                              |                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------|----|-----------------------------------------------------------------------------------------|-----------------------------------------|-----------------------------|----------------------------------------------|----------------|
| Matrix: <input checked="" type="checkbox"/> Fresh / <input type="checkbox"/> Marine                                                                          |                   |                                                                                                                                                                                                                                                          |           |               |    | (Check one) <input checked="" type="checkbox"/> GRAB <input type="checkbox"/> COMPOSITE |                                         |                             |                                              |                |
| Date                                                                                                                                                         | Time              | DO (mg/L)                                                                                                                                                                                                                                                | DO (%SAT) | Temp. (C°)    | pH | Sample Depth (m)                                                                        | Secchi Disk (m)                         | Total Depth (m)             | Sp COND (µmhos/cm)                           | Salinity (PPT) |
| 11/11/21                                                                                                                                                     | 9:54<br>EST / CST | 8.17                                                                                                                                                                                                                                                     | 101.9     | 21.84<br>7.11 |    | 3.18                                                                                    | 0.78<br><input type="checkbox"/> VOB(S) | 5.83                        | 180.7<br><sup>← cm</sup><br><del>207.6</del> |                |
| Central Lab please use top row for login purposes                                                                                                            |                   |                                                                                                                                                                                                                                                          |           |               |    |                                                                                         |                                         |                             |                                              |                |
|                                                                                                                                                              |                   |                                                                                                                                                                                                                                                          |           |               |    |                                                                                         |                                         |                             |                                              |                |
| EST / CST                                                                                                                                                    |                   |                                                                                                                                                                                                                                                          |           |               |    |                                                                                         |                                         |                             |                                              |                |
| Parameter Suite                                                                                                                                              |                   | Parameter Methods                                                                                                                                                                                                                                        |           |               |    | Preservation                                                                            |                                         | pH Check                    | # Bottles sent to Lab                        | Bottle Group   |
| Preserved Nutrients (P-500ML)                                                                                                                                |                   | <input type="checkbox"/> W-NH3 / <input type="checkbox"/> W-NO2NO3 / <input type="checkbox"/> W-TKN / <input type="checkbox"/> W-TOC / <input type="checkbox"/> W-S-A-TP                                                                                 |           |               |    | <input type="checkbox"/> Ice <input type="checkbox"/> H2SO4*                            |                                         | <input type="checkbox"/> <2 |                                              |                |
|                                                                                                                                                              |                   | Lot #                                                                                                                                                                                                                                                    |           | Exp:          |    |                                                                                         |                                         |                             |                                              |                |
| Metals (P-500ML)                                                                                                                                             |                   | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP <input type="checkbox"/> W-HARD                                                                                                                                                          |           |               |    | <input type="checkbox"/> Ice <input type="checkbox"/> HNO3*                             |                                         | <input type="checkbox"/> <2 |                                              |                |
|                                                                                                                                                              |                   | Lot #                                                                                                                                                                                                                                                    |           | Exp:          |    |                                                                                         |                                         |                             |                                              |                |
| Filtered Nutrients (P125ML)                                                                                                                                  |                   | <input type="checkbox"/> W-P04-F <input type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                                                                                  |           |               |    | <input type="checkbox"/> Ice                                                            |                                         |                             |                                              |                |
|                                                                                                                                                              |                   | Filter Lot #                                                                                                                                                                                                                                             |           |               |    |                                                                                         |                                         |                             |                                              |                |
|                                                                                                                                                              |                   | Syringe Lot #                                                                                                                                                                                                                                            |           |               |    |                                                                                         |                                         |                             |                                              |                |
| Chlorophyll (BP-1L)                                                                                                                                          |                   | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                                                                           |           |               |    | <input checked="" type="checkbox"/> Ice                                                 |                                         |                             | 1                                            | A              |
| Physical/Aggregate (Fresh) (P-1L)                                                                                                                            |                   | <input type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-SO4/C / W-TDS                                                                                                                                                        |           |               |    | <input type="checkbox"/> Ice                                                            |                                         |                             |                                              |                |
| Physical/Aggregate (Marine) (P-1L)                                                                                                                           |                   | <input type="checkbox"/> Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                                                                                                                                                                                  |           |               |    | <input type="checkbox"/> Ice                                                            |                                         |                             |                                              |                |
| Macroinvertebrates (PJ-2L)                                                                                                                                   |                   | <input type="checkbox"/> MI-FW-QLDC                                                                                                                                                                                                                      |           |               |    | <input type="checkbox"/> Formalin                                                       |                                         |                             |                                              |                |
| Periphyton (PT-50ML)                                                                                                                                         |                   | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                                                                        |           |               |    | <input type="checkbox"/> Ice                                                            |                                         |                             |                                              |                |
| Microbiology (Contract Lab Bottle)                                                                                                                           |                   | <input type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococci<br><input type="checkbox"/> Contract Lab                                                                                                            |           |               |    | <input type="checkbox"/> Ice                                                            |                                         |                             |                                              |                |
| Molecular (QPCR-P-500ML)                                                                                                                                     |                   | <input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-DG3<br><input type="checkbox"/> PCR-GULL2 <input type="checkbox"/> PCR-GFD <input type="checkbox"/> See Notes                                          |           |               |    | <input type="checkbox"/> Ice                                                            |                                         |                             |                                              |                |
| Tracers (BG-500ML)                                                                                                                                           |                   | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> W-E8321-MS                                                                                                                                                                                  |           |               |    | <input type="checkbox"/> Ice                                                            |                                         |                             |                                              |                |
| Pesticides (BG-500ML) (BG-1L)                                                                                                                                |                   | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> W-E8321-MS <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-CT-CL-R<br><input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> W-CARB-AA (5 ml of MCAA** Buffer Solution) |           |               |    | <input type="checkbox"/> Ice                                                            |                                         |                             |                                              |                |
| Phytoplankton                                                                                                                                                |                   | <input checked="" type="checkbox"/> DTY-QN-C <input checked="" type="checkbox"/> PKD-QN-BV                                                                                                                                                               |           |               |    | <input checked="" type="checkbox"/> Ice                                                 |                                         |                             | 1                                            | B              |
| Name: <u>Kari Lara-Murabito</u>                                                                                                                              |                   |                                                                                                                                                                                                                                                          |           |               |    | Signature: <u>Kari Lara-Murabito</u>                                                    |                                         | Date: <u>11/11/21</u>       |                                              |                |

\*2.0 ml of Preservative used unless noted otherwise.

\*\*MCAA: Monochloroacetic acid buffer solution

IM 11/12/21 9:45



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End

of Day CCV

Yes No

WIN Station Name: Lake Terrace SW of Center

Date: 11/11/21  
(mm/dd/yyyy)

WIN/ Field ID: G4CE0215

WBID: 3168X3

Latitude: 28.520806

(Decimal Degrees)

County: Orange

ORG ID: 21FLCEN

Longitude: -81.346389

(Decimal Degrees)

Receiving Body of Water: Kissimmee River

RQ-2021-08-02-09

| Sampling Team Members | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-----------------------|-----------------|-------------------|---------------|--------------|--------------------|
| John Masters          | X               |                   |               |              |                    |
| Kari Lara - Murabito  |                 | X                 | X             | X            |                    |

| Sampling Equipment                                   |                                                    |
|------------------------------------------------------|----------------------------------------------------|
| <input checked="" type="checkbox"/> Sample Container | <input type="checkbox"/> Van Dorn                  |
| <input type="checkbox"/> Syringe                     | <input type="checkbox"/> Pole                      |
| <input type="checkbox"/> Dipper                      | <input type="checkbox"/> Other                     |
| Depth Measured with 151                              |                                                    |
| Equipment ID                                         |                                                    |
| Collection Method                                    |                                                    |
| <input type="checkbox"/> Wading                      | <input type="checkbox"/> Canoe/Kayak               |
| <input type="checkbox"/> From Shore                  | <input checked="" type="checkbox"/> Electric Motor |
| <input type="checkbox"/> Other                       | <input type="checkbox"/> Gasoline Motor            |

|                                                                       |                                     |                                  |                               |
|-----------------------------------------------------------------------|-------------------------------------|----------------------------------|-------------------------------|
| Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded        |                                     | Meter ID#                        |                               |
| Photos: Yes / <u>No</u>                                               | Flow: No Flow / Flowing / <u>NA</u> | Tide: Rising/ Falling/ Slack/ NA | Tide Times: High Low          |
| Biological Samples Collected: None HA SCI RPS Algae ID LVS LVI Other: |                                     |                                  |                               |
| SBIO ID Numbers:                                                      | SBIO-ID:                            | HA-ID:                           | RPS-ID: Macrophyte-ID: LIMS#: |
| Notes:                                                                |                                     |                                  |                               |

## Duplicate Sample

|                          |                        |
|--------------------------|------------------------|
| Time Zone: EST CEN Time: | Field ID: (WIN ID_DUP) |
| WIN DMT Activity ID:     |                        |

## Blank

|                                                                                                                                      |                                |
|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| Time Zone: EST CEN Time:                                                                                                             | Field ID: (Blank Type_DOMMYYY) |
| DI Source:                                                                                                                           | Location:                      |
| <input type="checkbox"/> Field Blank <input type="checkbox"/> Equipment Blank <input type="checkbox"/> Field Cleaned Equipment Blank | Equipment ID:                  |

CEROC -DO NOT ENTER FIELD DATA INTO LIMS

LIMS EVENT ID: WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT: (Initials/Date) QC Station ID, Field Parameters In LIMS DMT: (Initials/Date)

Scan/Save Field Sheets (Initials/Date) Migrate Data to WIN: (Initials/Date) Verify Data In WIN: (Initials/Date)

Date of Request: 12-MAR-2021  
 Created By: BOMAN\_L On: 12-MAR-2021  
 Modified By: JASROTIA\_P On: 08-JUL-2021  
 Customer: CEN-DIST  
 Project: SMP  
 Division:  
 District: Central District  
 Event Description: Lake Terrace/Lucerne (West)

**Send Coolers To:**

Phone: 407-897-4178  
 FL Dept. of Environmental Protection  
 3319 Maguire Blvd., Suite 232  
 Orlando, FL 32803-3767  
 Attn: Leif Boman  
 Cooler Ship EMail: Leif.Boman@FloridaDEP.gov

Priority: 3  
 Event Status: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 08-JUL-2021  
 Biology Request Reviewed By: JASROTIA\_P On: 08-JUL-2021  
 Sampling Kit Required: YES Ship on: 23-JUL-2021  
 Sampling Kit Shipped: YES On: 19-JUL-2021  
 Sampling Kit Packed By: SHAIK\_A  
 Preservatives Needed: NO  
 Date to Receive Samples: 02-AUG-2021  
 Logged In By: REYNOLDS\_T On: 17-SEP-2021

**Send Final Report To:**

FL Dept. of Environmental Protection  
 3319 Maguire Blvd., Suite 232  
 Orlando, FL 32803-3767  
 Attn: Kalina Warren  
 Report Notification EMail: Matthew.Bearden@dep.state.fl.us

Comments: Receiving, log algae samples in under separate Event, Priority 12

**Bottle Group A (Water) With 2 Samples:**

|                   |                      |                                                                                                        |
|-------------------|----------------------|--------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L | Number of Bottles: 2 | Preserved With: ICE                                                                                    |
| ALKALINITY        | Template: DEFAULT    | (SM 2320 B-2011) 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-2011) True Color measured at 450 nm (not valid for NPDES monitoring)                        |
| Color (true)      |                      |                                                                                                        |
| W-F               | Template: DEFAULT    | (SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring) |
| W-SO4-IC          | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                       |
| W-TDS             | Template: DEFAULT    | (SM 2540 C-2011) Total Dissolved Solids in aqueous matrices                                            |
| W-TSS             | Template: DEFAULT    | (SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample        |

|                    |                      |                                                                                                              |
|--------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: BP-1L | Number of Bottles: 2 | 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: 2 | 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-2011) Nonpurgeable Organic Carbon in aqueous matrices    |

|                      |                      |                                                                                          |
|----------------------|----------------------|------------------------------------------------------------------------------------------|
| Bottle Type: P-125ML | Number of Bottles: 2 | Preserved With: FILTER-ICE                                                               |
| 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 |

**Bottle Group B (Water) With 2 Samples:**

|                    |                      |                                                                                               |
|--------------------|----------------------|-----------------------------------------------------------------------------------------------|
| Bottle Type: BP-1L | Number of Bottles: 2 | Preserved With: Lugols                                                                        |
| DTY-QN-C           | Template: DEFAULT    | (SOP-AB05_1) No. of diatom taxa of quantitative phytoplankton sample.                         |
| PKD-QN-BV          | Template: DEFAULT    | (SOP-AB05) No. of wet taxa of quantitative phytoplankton sample w/speciation and cell counts. |

\* - The laboratory is not NELAP certified for this analyte/method, or certification is not applicable.