

RQ-2021-07-12-30

## Login Checklist

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 7/15/2021 13:15

| *Cooler Temperature | Samples Frozen? | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |                                     |          |    | Waybill Tracking # |
|---------------------|-----------------|----------------------------------------|----------|---------------------------------------|---------------|-------------------------------------|----------|----|--------------------|
|                     |                 |                                        |          |                                       | Present?      |                                     | *Intact? |    |                    |
|                     | YES             | HNO <sub>3</sub>                       | Formalin |                                       | Yes           | No                                  | Yes      | No |                    |
| 5.2                 |                 |                                        |          | 10                                    |               | <input checked="" type="checkbox"/> |          |    | ----               |
|                     |                 |                                        |          |                                       |               |                                     |          |    |                    |
|                     |                 |                                        |          |                                       |               |                                     |          |    |                    |
|                     |                 |                                        |          |                                       |               |                                     |          |    |                    |
|                     |                 |                                        |          |                                       |               |                                     |          |    |                    |
|                     |                 |                                        |          |                                       |               |                                     |          |    |                    |

## 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: 7/15/2021

Event contains NCRs (Y/N)? ☒

Event ID:

Reference Lake Sampling  
 BSSP-2021-07-15-01 (LAKESREF)  
 Date Received: 15-JUL-2021 13:15

## Login Checklist

### Login Preservation Equipment

### Lot # & Exp: Date

|                          |                             |
|--------------------------|-----------------------------|
| Infrared Thermometer ID: | IR TEMP GUN #2 exp:10/28/21 |
| pH Test Strips 0 – 6     |                             |
| pH Paper 0 – 3           |                             |
| pH Paper 0 – 13          | 219019 exp: 7/1/22          |
| Chlorine Test Strips     | 0129 exp: 03/2023           |

### Additional Comments:

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

# Florida Department of Environmental Protection

## Central Laboratory Submittal Form

Customer: BSSP

Project ID: LAKESREF

Requester: Jennifer. N. Piacente

Collected By: J Piacente

Field Report Prepared By:

Jennifer Piacente

Sampling Agency:

FDEP

|                                                                         |  |                                                                           |  |                                                                               |  |                                                                                 |  |                                   |  |                               |  |
|-------------------------------------------------------------------------|--|---------------------------------------------------------------------------|--|-------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------|--|-----------------------------------|--|-------------------------------|--|
| Location<br>Moore Lake                                                  |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab |  | Collection (comp begin or grab)<br>Date 7/15/21 Time 11:58                    |  | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central |  | Composite end<br>Date Time        |  | Bottle Group(s)<br>(See pg 2) |  |
| Field ID<br>Moore Ref                                                   |  | Matrix (type, e.g., Salt, Fresh, etc)<br>Fresh                            |  | Diss. Oxygen<br>6.89                                                          |  | <input type="checkbox"/> mg/L<br><input checked="" type="checkbox"/> % sat      |  | Total Res. Chlorine<br>(mg/L)     |  | A, B                          |  |
| WIN/STORET #                                                            |  | Temp (C)<br>31.3                                                          |  | pH<br>5.48                                                                    |  | Sample Depth<br>.1                                                              |  | Sp. Conductance (umho/cm)<br>18.0 |  |                               |  |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms |  | Longitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms  |  | Salinity (ppt)<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms |  | Comments                                                                        |  |                                   |  |                               |  |
| Location<br>Field Blank                                                 |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab |  | Collection (comp begin or grab)<br>Date 7/15/21 Time 8:58                     |  | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central |  | Composite end<br>Date Time        |  | Bottle Group(s)               |  |
| Field ID<br>FB                                                          |  | Matrix (type, e.g., Salt, Fresh, etc)                                     |  | Diss. Oxygen                                                                  |  | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat                 |  | Total Res. Chlorine (mg/L)        |  | B                             |  |
| WIN/STORET #                                                            |  | Temp (C)                                                                  |  | pH                                                                            |  | Sample Depth<br><input type="checkbox"/> ft<br><input type="checkbox"/> m       |  | Sp. Conductance (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 (ppt)<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms |  | Comments                                                                        |  |                                   |  |                               |  |
| Location                                                                |  | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            |  | Collection (comp begin or grab)<br>Date Time                                  |  | <input type="checkbox"/> Eastern<br><input type="checkbox"/> Central            |  | Composite end<br>Date Time        |  | Bottle 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 (mg/L)        |  |                               |  |
| WIN/STORET #                                                            |  | Temp (C)                                                                  |  | pH                                                                            |  | Sample Depth<br><input type="checkbox"/> ft<br><input type="checkbox"/> m       |  | Sp. Conductance (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 (ppt)<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms |  | Comments                                                                        |  |                                   |  |                               |  |
| Location                                                                |  | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            |  | Collection (comp begin or grab)<br>Date Time                                  |  | <input type="checkbox"/> Eastern<br><input type="checkbox"/> Central            |  | Composite end<br>Date Time        |  | Bottle 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 (mg/L)        |  |                               |  |
| WIN/STORET #                                                            |  | Temp (C)                                                                  |  | pH                                                                            |  | Sample Depth<br><input type="checkbox"/> ft<br><input type="checkbox"/> m       |  | Sp. Conductance (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 (ppt)<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms |  | Comments                                                                        |  |                                   |  |                               |  |

|                                 |                        |                                  |                            |                    |                            |
|---------------------------------|------------------------|----------------------------------|----------------------------|--------------------|----------------------------|
| Relinquished By:<br>Ashley Gial | Date/Time<br>7/15/2021 | Shipping Method<br>hand delivery | Number of Coolers Shipped: | Received By:<br>IM | Date/Time<br>7/15/21 13:15 |
|---------------------------------|------------------------|----------------------------------|----------------------------|--------------------|----------------------------|

| Group | Bottle Type                                         | P       | # of Bottles | Preservative  | Enter Number of Bottles Sent to Lab |
|-------|-----------------------------------------------------|---------|--------------|---------------|-------------------------------------|
| A     | ALKALINITY<br>W-CL-IC<br>W-COLOR<br>W-F<br>W-SO4-IC | P-500ML | 1            | ICE           | 1                                   |
| A     | CHLSUITE-W                                          | BP-1L   | 1            | ICE           | 1                                   |
| A     | DTY-QN-C<br>PKD-QN-C                                | BP-1L   | 1            | Lugols        | 1                                   |
| A     | W-ICP<br>W-ICPMS                                    | P-500ML | 1            | HNO3          | 1                                   |
| A     | W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN              | P-500ML | 1            | ICE And H2SO4 | 1                                   |
| A     | W-PO4-F                                             | P-125ML | 1            | FILTER-ICE    | 1                                   |
| B     | W-CL-IC<br>W-F<br>W-SO4-IC                          | P-250ML | 1            | ICE           | 1                                   |
| B     | W-ICP<br>W-ICPMS                                    | P-500ML | 1            | HNO3          | 1                                   |
| B     | W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN              | P-500ML | 1            | ICE And H2SO4 | 1                                   |

Group: B

Bottle Type:

P-125ML

# of Bottles: 1

Preservative: FILTER-ICE

Enter Number of Bottles Sent to Lab

W-PO4-F

1

Date of Request: 21-JUN-2021  
 Created By: PIACENTE\_J On: 21-JUN-2021  
 Modified By: WATTS\_J On: 13-JUL-2021  
 Customer: BSSP  
 Project: LAKESREF  
 Division: Division of Environmental Assessment and Restoration  
 District:  
 Event Description: Reference Lake Sampling

**Send Coolers To:**

Phone: 850-245-8073  
 2600 Blair Stone Rd.  
  
 Tallahassee, FL 32399-2400  
 Attn: Jennifer Piacente  
 Cooler Ship EMail: jennifer.piacente@floridadep.gov

Priority: 3  
 Event Status: S  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 21-JUN-2021  
 Biology Request Reviewed By: JASROTIA\_P On: 22-JUN-2021  
 Sampling Kit Required: YES Ship on: 12-JUL-2021  
 Sampling Kit Shipped: YES On: 09-JUL-2021  
 Sampling Kit Packed By: KLUG\_K  
 Preservatives Needed: YES  
 Date to Receive Samples: 15-JUL-2021  
 Logged In By:

**Send Final Report To:**

2600 Blair Stone Rd.  
  
 Tallahassee, FL 32399-2400  
 Attn: Jennifer Piacente  
 Report Notification EMail: jennifer.piacente@floridadep.gov

Comments: Suite B is for Field Blank.

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

|                      |                      |                                                                                                                                                |
|----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| ALKALINITY           | Template: DEFAULT    | (SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO <sub>3</sub> /L                                                                     |
| 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                                                                                               |
| 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: BP-1L   | Number of Bottles: 1 | Preserved With: Lugols                                                                                                                         |
| DTY-QN-C             | Template: DEFAULT    | (SOP-AB05_1) No. of diatom taxa of quantitative phytoplankton sample.                                                                          |
| PKD-QN-C             | Template: DEFAULT    | (SOP-AB05) No. of wet taxa of quantitative phytoplankton sample.                                                                               |
| Bottle Type: P-500ML | Number of Bottles: 1 | Preserved With: HNO <sub>3</sub>                                                                                                               |
| W-ICP                | Template:            | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| Calcium              |                      |                                                                                                                                                |
| Iron                 |                      |                                                                                                                                                |
| Magnesium            |                      |                                                                                                                                                |
| Potassium            |                      |                                                                                                                                                |
| Sodium               |                      |                                                                                                                                                |
| Zinc                 |                      |                                                                                                                                                |
| W-ICPMS              | Template: PRTY       | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects                    |
| Arsenic              |                      |                                                                                                                                                |
| Beryllium            |                      |                                                                                                                                                |
| Cadmium              |                      |                                                                                                                                                |
| Chromium             |                      |                                                                                                                                                |
| Copper               |                      |                                                                                                                                                |

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

|                      |                      |                                                                                                                             |
|----------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 1 | Preserved With: HNO3                                                                                                        |
| W-ICPMS              | Template: PRTY       | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects |
| Lead                 |                      |                                                                                                                             |
| Nickel               |                      |                                                                                                                             |
| Silver               |                      |                                                                                                                             |

|                      |                      |                                                                                          |
|----------------------|----------------------|------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 1 | Preserved With: ICE And H2SO4                                                            |
| W-NH3                | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                               |
| W-NO2NO3             | 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                         |
| Bottle Type: P-125ML | Number of Bottles: 1 | Preserved With: FILTER-ICE                                                               |
| W-PO4-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 1 Samples:**

|                      |                      |                                                                                          |
|----------------------|----------------------|------------------------------------------------------------------------------------------|
| Bottle Type: P-125ML | Number of Bottles: 1 | Preserved With: FILTER-ICE                                                               |
| W-PO4-F              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L |

|                      |                      |                                                                                                        |
|----------------------|----------------------|--------------------------------------------------------------------------------------------------------|
| Bottle Type: P-250ML | Number of Bottles: 1 | Preserved With: ICE                                                                                    |
| W-CL-IC              | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                      |
| 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                                                       |

|                      |                      |                                                                                                                                                |
|----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 1 | Preserved With: HNO3                                                                                                                           |
| W-ICP                | Template:            | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |

Calcium  
Iron  
Magnesium  
Potassium  
Sodium  
Zinc

|         |                |                                                                                                                             |
|---------|----------------|-----------------------------------------------------------------------------------------------------------------------------|
| W-ICPMS | Template: PRTY | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects |
|---------|----------------|-----------------------------------------------------------------------------------------------------------------------------|

Arsenic  
Beryllium  
Cadmium  
Chromium  
Copper  
Lead  
Nickel  
Silver

|                      |                      |                                                                     |
|----------------------|----------------------|---------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 1 | Preserved With: ICE And H2SO4                                       |
| W-NH3                | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L          |
| W-NO2NO3             | 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    |

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