

RQ- 2018073057

## Log-in Checklist

Login Station ID: #2Shipping Method: (FedEx) | UPS | HD | Greyhound | \_\_\_\_\_Date/Time of Receipt: 7-31-18/10:20

| 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 |                                                       |
| White     | 1.3                 | 4                               |               | ✓  |          |    |                                                       |
|           |                     |                                 |               |    |          |    |                                                       |
|           |                     |                                 |               |    |          |    |                                                       |
|           |                     |                                 |               |    |          |    |                                                       |
|           |                     |                                 |               |    |          |    |                                                       |
|           |                     |                                 |               |    |          |    |                                                       |

\*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 \_\_\_\_\_

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes \_\_\_\_\_ No \_\_\_\_\_ Date \_\_\_\_\_

## 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 REQUIRED? (Blue dot on container) Yes \_\_\_\_\_ No \_\_\_\_\_ Init: \_\_\_\_\_

| 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-E8321-DI, -MS, -21                                                                                 |     |    | W-NP-AA-SF |     |    |
| W-BNA (-625, -R)                                                                                     |     |    | W-PDQUAT   |     |    |
| W-CARB-AA (-CAB-AA-R)                                                                                |     |    | W-PCL-SQ-R |     |    |
| W-U2060-MS                                                                                           |     |    | W-TR-TQ    |     |    |
| W-PCB-R                                                                                              |     |    | W-CT-CI-R  |     |    |
| W-PAH (-R)                                                                                           |     |    | W-PSNP-TQ  |     |    |

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

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

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

Coolers Unpacked/Checked by: SR Date: 7-31-18

NCRs (Y/N)? N

Event ID: NW-DIST-2018-07-31-01

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 |
|----------|-------------------|--------------|
|          |                   |              |
|          |                   |              |
|          |                   |              |
|          |                   |              |

### Additional Comments:

|                            |                     |
|----------------------------|---------------------|
| Infrared Thermometer ID:   | REC_02_2018         |
| pH Paper 0.0 – 3.0 Lot #   | 230515 EXP:10-30-18 |
| pH Paper 0 – 13 Lot #      | 222516 EXP:08-15-19 |
| Chlorine Test Strips Lot # | 7226 EXP:07/2020    |

### 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 \_\_\_\_\_ If No \_\_\_\_\_

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: \_\_\_\_\_

Dune Lakes LVI

last revised Jan 25, 2018

## Central Laboratory Submittal Form

Customer: NW-DIST

Requester: Michael King

Field Report Prepared By: F. Butera

Project ID: SMP

Collected By:

Frank Butera, Jimmy Pitts

Sampling Agency:

FL DEP-NWR00

|              |                                                                           |                                                                |                                                              |                                                                            |                                                                 |                               |                                  |      |                    |
|--------------|---------------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------|----------------------------------|------|--------------------|
| Location     | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab |                                                                | Collection (comp begin or grab)<br>Date 7/30/2017 Time 11:30 | Eastern<br>Central                                                         | Composite end<br>Date                                           | Time                          | Bottle<br>Group(s)<br>(See pg 2) |      |                    |
| Field ID     | Matrix (type, e.g., Salt, Fresh, etc)<br>Fresh                            |                                                                | Diss. Oxygen<br>6.38                                         | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)                                   |                               | A                                |      |                    |
| WIN/ST       | Temp<br>(C) 3.0                                                           | pH<br>5.21                                                     | Sample<br>Depth 0.3                                          | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       | Sp. Conductance<br>(umho/cm) 92.3                               |                               |                                  |      |                    |
| Latitude     | Salinity<br>(ppt) 0.04                                                    |                                                                | 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) |                                  |      |                    |
| WIN/STORET # |                                                                           | Temp<br>(C)                                                    | pH                                                           | Sample<br>Depth                                                            | <input type="checkbox"/> ft<br><input type="checkbox"/> m       | Sp. Conductance<br>(umho/cm)  |                                  |      |                    |
| Latitude     |                                                                           | 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) |                                  |      |                    |
| WIN/STORET # |                                                                           | Temp<br>(C)                                                    | pH                                                           | Sample<br>Depth                                                            | <input type="checkbox"/> ft<br><input type="checkbox"/> m       | Sp. Conductance<br>(umho/cm)  |                                  |      |                    |
| Latitude     |                                                                           | 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) |                                  |      |                    |
| WIN/STORET # |                                                                           | Temp<br>(C)                                                    | pH                                                           | Sample<br>Depth                                                            | <input type="checkbox"/> ft<br><input type="checkbox"/> m       | Sp. Conductance<br>(umho/cm)  |                                  |      |                    |
| Latitude     |                                                                           | 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) |                                  |      |                    |
| WIN/STORET # |                                                                           | Temp<br>(C)                                                    | pH                                                           | Sample<br>Depth                                                            | <input type="checkbox"/> ft<br><input type="checkbox"/> m       | Sp. Conductance<br>(umho/cm)  |                                  |      |                    |
| Latitude     |                                                                           | Salinity<br>(ppt)                                              |                                                              | Comments                                                                   |                                                                 |                               |                                  |      |                    |

|                  |            |                 |                            |              |               |
|------------------|------------|-----------------|----------------------------|--------------|---------------|
| Relinquished By: | Date/Time  | Shipping Method | Number of Coolers Shipped: | Received By: | Date/Time     |
| [Signature]      | 07/30/2017 | Fed Ex          | 1                          | [Signature]  | 7-31-18/10:10 |

|          |              |                    |                 |               |               |                                     |   |
|----------|--------------|--------------------|-----------------|---------------|---------------|-------------------------------------|---|
| Group: A | Bottle Type: | P-1L               | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |
|          | 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 | 1 |
|          | CHLSUITE-W   |                    |                 |               |               |                                     |   |
| Group: A | Bottle Type: | TEST HAS NO BOTTLE | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |
|          | NW-UWF-ECQ   |                    |                 |               |               |                                     |   |
| Group: A | Bottle Type: | P-500ML            | # of Bottles: 1 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 1 |
|          | W-NH3        |                    |                 |               |               |                                     |   |
|          | W-NO2NO3     |                    |                 |               |               |                                     |   |
|          | W-S-A-TP     |                    |                 |               |               |                                     |   |
|          | W-TKN        |                    |                 |               |               |                                     |   |
|          | W-TOC        |                    |                 |               |               |                                     |   |
| Group: A | Bottle Type: | P-125ML            | # of Bottles: 1 | Preservative: | FILTER-ICE    | Enter Number of Bottles Sent to Lab | 1 |
|          | W-PO4-F      |                    |                 |               |               |                                     |   |

**SAMPLE TRANSMITTAL FORM**  
Document Reference # 05.1.0

Project: FDEP

**Laboratory: Wetlands Research Laboratory**

Sampler's initials: FB

Method of transport: Drop off on ice by automobile

Page 1 of 1

Samples delivered by: FB of FDEP

Date/Time: 07/30/18 11606

Sample received by: [Signature] of WRL

Date/Time: 07/30/18 1606

Instructions: Fill in all fields except "Lab ID" on sample transport form completely. Each sample container must use a separate line. Place this form in a waterproof bag and place it with the samples for transport. If a field log or other chain of custody is attached, that information may be referenced on this form and the log or COC attached.

[illegible]

Comments sample container lot# #17044 Exp. 04/04/2020 Project SMP Lakes

**RQ-2018-07-30-57**

Contact organization FDEP

Contact name Mike King

**Phone: (850) 595-8300**

Address 160 W Governmental Street, suite 208, Pensacola, FL 32502

**Sampler's name:**

<sup>1</sup>Matrix: SW = surface water, PW = pore water, GW = ground water, S = soil/sediment, X =

<sup>3</sup> Recorded using IRT-2

<sup>2</sup>Type codes: G = grab, C = composite, X = \_\_\_\_\_

Printed: 7/31/2018 10:23:11 AM

Page 1 of 1

Date of Request: 19-JUL-2018  
 Created By: KING\_M On: 19-JUL-2018  
 Modified By: SWANSON\_C On: 23-JUL-2018  
 Customer: NW-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Northwest District  
 Sampling Event: Dune Lakes LVI

**Send Coolers To:**

Phone: 850-595-0605  
 160 Government Center  
 Suite 208  
 Pensacola, FL 32502-5794  
 Attn: Michael King

Program Module Number: 1306  
 Priority: 3  
 Event Status: A  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 20-JUL-2018  
 Biology Request Reviewed By: SWANSON\_C On: 23-JUL-2018  
 Sampling Kit Required: NO Ship on:  
 Sampling Kit Shipped:  
 Sampling Kit Packed By:  
 Preservatives Needed: NO  
 Date to Receive Samples: 30-JUL-2018  
 Received By:

**Send Final Report To:**

160 Government Center  
 Suite 208  
 Pensacola, FL 32502-5794  
 Attn: Cheryl Bunch

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

Comments: Group A: (WBID 9590) Freshwater Kit, Contract Lab Bacteria - E Coli

**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 CaCO3/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-SO4-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 using a maximum of 250 mL of sample                |
| 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: TEST HAS NO | Number of Bottles: 1 | Preserved With: ICE                                                                                          |
| NW-UWF-ECQ               | Template: DEFAULT    | (SM 9223 B Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method by UWF Laboratory in Pensacola    |
| 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                                             |
| W-TOC                    | Template: DEFAULT    | (SM 5310 B-00) Nonpurgeable Organic Carbon 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                     |

Do Not Lift Using This Tag

ORIGIN ID: PNSA (850) 595-0673  
MICHAEL KING

160 GOVERNMENT CENTER SUITE 208 A

PENSACOLA, FL 32502  
UNITED STATES US

SHIP DATE: 13 FEB 18  
ACTWGT: 35.00 LB  
CAD: 100182098/NET3980

TO AMZAD SHAIK  
FL DEP  
FL DEP CHEMISTRY SECTION  
2600 BLAIR STONE RD  
TALLAHASSEE FL 32399

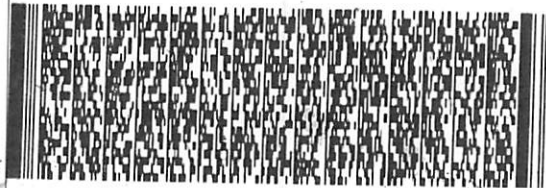
(850) 245-8085

REF:

INV:  
PC:

DEPT:

RMA:



FedEx  
Express



FedEx

TRK# 7907 7844 6474  
0221

TUE - 31 JUL 10:30A  
PRIORITY OVERNIGHT

**XH TLHA**

32399

FL-US

TLH



5155049 07/30 552J1/3309/DCAS

552J1/1220DCAS

M10021001101

Post # 156297-435 RPOB EXP 12/18