

RQ-2021-08-09-55

## Login Checklist

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 8/13/2021 9:15

| *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 |                    |
| -2.6                |                        |                                        |          | 6                                     |               | ✓  |          |    | 929380144972       |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |

## 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: 8/13/2021

Event contains NCRs (Y/N)? ☒

Event ID: Fox and IRL Shore - WBIDs 2963A1 and CEN-DIST-2021-08-13-01 (SMP)

Page 1 of 2, 06/15/2020, Form LB-020-1.22 Date Received: 13-AUG-2021 09:15

## Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

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

### 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  
CHAIN OF CUSTODY FORM

**Date:** 8/12/2021 **Collected By:** Leif Boman, Katie March  
**Customer:** CEN-DIST **Sampling Agency:** FDEP  
**RQ:** RQ-2021-08-09-55 **Project ID:** SMP

PLEASE RETURN THE ORIGINAL OF THIS FORM WITH SAMPLE SUBMITTAL  
FORMS AND THE COOLER PACKING WORKSHEET TO THE LAB

**Number of Coolers Shipped:** 1

**Delivery Method:** FedEx

**FIELD ID (Labels) submitted under this RQ for this collection date.**

| Site Location             | Field ID/WIN ID                                                                                 |
|---------------------------|-------------------------------------------------------------------------------------------------|
| Fox Lake near Center      | <br>G3CE0041  |
| IRL @ Castaway Point Park | <br>G5CE0155 |

RELINQUISHED BY(SIGNATURE):

*K March*

DATE/TIME: 8/12/2021  
1600 EST

**THIS SECTION TO BE COMPLETED BY LABORATORY**

Rec'd/Inspected By:

*JM*

Rec'd/Inspected

Date:

*8/13/21*



RQ-2021-08-09-55

Collected By: Leif Boman, Katie March

Customer: FDEP

Field Report Prepared by: Leif Boman, Katie March

Project ID: SMP

Sampling Agency: FDEP

WIN ID/Field ID:



WIN ID/Field ID: G3CE0041

Comments:

Location:

Location: Fox Lake near Center

Matrix: Fresh

(Check One)

☒ Grab☐ Composite

| Date and Time {EST} | DO (mg/L) | DO (%SAT) | Temp. °C | pH   | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos /cm) | Salinity (PPT) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|---------------------|----------------|
| 8/12/2021 1227      | 4.06      | 55.3      | 31.5     | 6.88 | 0.3              | 0.5          | 1.8             | 831                 | 0.4            |

  

| Parameter Suite                    | Parameter Methods                                                                                               |                                                                   |                                            | Preservation                            |                                           | pH Check | # Bottles sent to Lab | Bottle Group |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------|-----------------------------------------|-------------------------------------------|----------|-----------------------|--------------|
| Preserved Nutrients (P-500ML)      | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                 | <input checked="" type="checkbox"/> Ice                           | <input checked="" type="checkbox"/> H2SO4* | X                                       | <2                                        | 1        | A                     |              |
|                                    | Lot # SA1105060                                                                                                 | Exp: 4/30/2022                                                    |                                            |                                         |                                           |          |                       |              |
| Metals (P-500ML)                   | W-ICPMS                                                                                                         | W-ICP                                                             | W-HARD                                     | <input checked="" type="checkbox"/> Ice | <input checked="" type="checkbox"/> HNO3* |          |                       |              |
|                                    | Lot #                                                                                                           | Exp:                                                              |                                            |                                         |                                           |          |                       |              |
| Filtered Nutrients (P125ML)        | <input checked="" type="checkbox"/> W-PO4-F                                                                     | <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter | x                                          | Ice                                     |                                           | 1        | A                     |              |
|                                    | Filter Lot #                                                                                                    | 1091364                                                           |                                            |                                         |                                           |          |                       |              |
|                                    | Syringe Lot #                                                                                                   | 17135566                                                          |                                            |                                         |                                           |          |                       |              |
| Chlorophyll (BP-1L)                | <input checked="" type="checkbox"/> CHLSUITE-W                                                                  |                                                                   | x                                          | Ice                                     |                                           | 1        | A                     |              |
| Physical/Aggregate (Fresh) (P-1L)  | <input checked="" type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS |                                                                   | x                                          | Ice                                     |                                           | 1        | A                     |              |
| Physical/Aggregate (Marine) (P-1L) | Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                                                                  |                                                                   |                                            | Ice                                     |                                           |          |                       |              |
| Macroinvertebrates (PJ-2L)         | MI-FW-QLDC                                                                                                      | Formalin Lot #                                                    |                                            | Formalin                                |                                           |          |                       |              |
| Periphyton (PT-50ML)               | ALGAE-ID                                                                                                        |                                                                   |                                            | Ice                                     |                                           |          |                       |              |
| Microbiology (Contract Lab Bottle) | E Coli                                                                                                          | F Coli                                                            | Enterococci                                | Ice                                     |                                           |          |                       |              |
|                                    | Contract Lab                                                                                                    |                                                                   |                                            |                                         |                                           |          |                       |              |
| Molecular (QPCR-P-500ML)           | PCR-HF183                                                                                                       | PCR-BacR                                                          | PCR-DG3                                    | Ice                                     |                                           |          |                       |              |
|                                    | PCR-GULL2                                                                                                       | PCR-GFD                                                           |                                            |                                         |                                           |          |                       |              |
| Tracers (BG-500ML)                 | W-E8321-DI                                                                                                      | W-E8321-MS                                                        |                                            | Ice                                     |                                           |          |                       |              |
| Pesticides (BG-500ML) (BG-1L)      | W-E8321-DI                                                                                                      | W-E8321-MS                                                        | W-PSNP-TQ                                  | Ice                                     |                                           |          |                       |              |
|                                    | W-PCL-TQ-R                                                                                                      | W-CARB-AA (5 ml of MCAA** Buffer Solution)                        | W-CT-CL-R                                  |                                         |                                           |          |                       |              |
| Phytoplankton                      | DTY-QN-C                                                                                                        | PKD-QN-BV                                                         |                                            | Ice                                     |                                           |          |                       |              |



RQ-2021-08-09-55

Collected By: Leif Boman, Katie March

Customer: FDEP

Field Report Prepared by: Leif Boman, Katie March

Project ID: SMP

Sampling Agency: FDEP

WIN ID/Field ID:



WIN ID/Field ID: G5CE0155

Comments:

Location:

Location: IRL @ Castaway Point Park

Matrix: Marine

(Check One)

☒ Grab☐ Composite

| Date and Time {EST} | DO (mg/L) | DO (%SAT) | Temp. °C | pH   | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos/cm) | Salinity (PPT) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|--------------------|----------------|
| 8/12/2021 1119      | 5.01      | 74.1      | 32.1     | 7.89 | 0.3              | 1.2          | 1.2             | 27002              | 16.41          |

  

| Parameter Suite                    | Parameter Methods                                                                                | Preservation | pH Check | # Bottles sent to Lab | Bottle Group |
|------------------------------------|--------------------------------------------------------------------------------------------------|--------------|----------|-----------------------|--------------|
| Preserved Nutrients (P-500ML)      | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                                      | Ice H2SO4*   | <2       |                       |              |
|                                    | Lot # Exp:                                                                                       |              |          |                       |              |
| Metals (P-500ML)                   | W-ICPMS W-ICP W-HARD                                                                             | Ice HNO3*    | <2       |                       |              |
|                                    | Lot # Exp:                                                                                       |              |          |                       |              |
| Filtered Nutrients (P125ML)        | W-PO4-F Field Filtered 0.45 µm Filter                                                            | Ice          |          |                       |              |
|                                    | Filter Lot # Syringe Lot #                                                                       |              |          |                       |              |
| Chlorophyll (BP-1L)                | CHLSUITE-W                                                                                       | Ice          |          |                       |              |
| Physical/Aggregate (Fresh) (P-1L)  | Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-SO4-IC / W-TDS                        | Ice          |          |                       |              |
| Physical/Aggregate (Marine) (P-1L) | Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                                                   | Ice          |          |                       |              |
| Macroinvertebrates (PJ-2L)         | MI-FW-QLDC Formalin Lot #                                                                        | Formalin     |          |                       |              |
| Periphyton (PT-50ML)               | ALGAE-ID                                                                                         | Ice          |          |                       |              |
| Microbiology (Contract Lab Bottle) | E Coli F Coli X Enterococci Contract Lab                                                         | x Ice        |          | 2                     | A            |
| Molecular (QPCR-P-500ML)           | PCR-HF183 PCR-BacR PCR-DG3 PCR-GULL2 PCR-GFD                                                     | Ice          |          |                       |              |
| Tracers (BG-500ML)                 | W-E8321-DI W-E8321-MS                                                                            | Ice          |          |                       |              |
| Pesticides (BG-500ML) (BG-1L)      | W-E8321-DI W-E8321-MS W-PSNP-TQ W-PCL-TQ-R W-CARB-AA ( 5 ml of MCAA** Buffer Solution) W-CT-CL-R | Ice          |          |                       |              |
| Phytoplankton                      | DTY-QN-C PKD-QN-BV                                                                               | Ice          |          |                       |              |

Date of Request: 20-JUL-2021  
 Created By: BEARDEN\_M On: 20-JUL-2021  
 Modified By: JASROTIA\_P On: 21-JUL-2021  
 Customer: CEN-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Central District  
 Event Description: Fox and IRL Shore - WBIDs 2963A1 and 3008A

**Send Coolers To:**

Phone: 407-897-4123  
 FL Dept. of Environmental Protection  
 3319 Maguire Blvd., Suite 232  
 Orlando, FL 32803-3767  
 Attn: Matthew Bearden  
 Cooler Ship EMail: matthew.bearden@floridadep.gov

Priority: 3  
 Event Status: S  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 21-JUL-2021  
 Biology Request Reviewed By: JASROTIA\_P On: 21-JUL-2021  
 Sampling Kit Required: YES Ship on: 30-JUL-2021  
 Sampling Kit Shipped: YES On: 26-JUL-2021  
 Sampling Kit Packed By: SHAIK\_A  
 Preservatives Needed: NO  
 Date to Receive Samples: 13-AUG-2021  
 Logged In By:

**Send Final Report To:**

FL Dept. of Environmental Protection  
 3319 Maguire Blvd., Suite 232  
 Orlando, FL 32803-3767  
 Attn: Matthew Bearden  
 Report Notification EMail: matthew.bearden@floridadep.gov

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

|                                   |                      |                                                                                                              |
|-----------------------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L                 | 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                                   |
| 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-SO <sub>4</sub> -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: 1 | Preserved With: ICE                                                                                          |
| CHLSUITE-W                        | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |
| Bottle Type: P-250ML-WO-THI       | Number of Bottles: 1 | Preserved With: ICE                                                                                          |
| ENT-24-QT                         | Template: DEFAULT    | (Enterolert/QT) Enterococci by Enterolert Quanti-Tray method - non-chlorinated water systems                 |
| Bottle Type: P-500ML              | Number of Bottles: 1 | Preserved With: ICE And H <sub>2</sub> SO <sub>4</sub>                                                       |
| W-NH <sub>3</sub>                 | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                   |
| W-NO <sub>2</sub> NO <sub>3</sub> | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                           |
| W-S-A-TP                          | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                          |
| W-TKN                             | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                             |
| W-TOC                             | Template: DEFAULT    | (SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices                                             |
| Bottle Type: P-125ML              | Number of Bottles: 1 | 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                     |