

RQ-2021-02-15-09

## Login Checklist

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 4/22/2021 9:33

| *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 |                    |
| 1.8                 |                 |                                        |          | 6                                     |               | ✓  |          |    | 929380114833       |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |

## COOLER CHECK

\*All samples received on ice unless otherwise noted. HNO3 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: 4/22/2021

Event contains NCRs (Y/N)? ✓Event ID: Johns Lake Outlet/Lake Jane/Lake Lott  
CEN-DIST-2021-04-22-01 (SMP)

Page 1 of 2, 06/15/20 Date Received: 22-APR-2021 09:33

## 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          | 231019 exp: 11/1/22         |
| 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:** 4/21/2021  
**Customer:** CEN-DIST  
**RQ:** RQ-2021-02-15-09

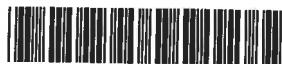
**Collected By:** Leif Boman, Victoria Schwartz  
**Sampling Agency:** FDEP  
**Project ID:** SMP

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                                                                                |
|---------------------------------------|------------------------------------------------------------------------------------------------|
| Lake Lotta at Center of southern lobe | <br>G2CE0093 |

RELINQUISHED BY(SIGNATURE):

*Victoria Schwartz*

DATE/TIME: 4/21/2021

1030

**THIS SECTION TO BE COMPLETED BY LABORATORY**

Rec'd/Inspected By:

*IM*

Rec'd/Inspected

Date:

*4/22/21*



|                                                                                                                                 |                                                         |
|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| RQ-2021-02-15-09                                                                                                                | Collected By: Leif Boman, Victoria Schwartz             |
| Customer: FDEP                                                                                                                  | Field Report Prepared by: Leif Boman, Victoria Schwartz |
| Project ID: SMP                                                                                                                 | Sampling Agency: FDEP                                   |
| WIN ID/Field ID: <br>WIN ID/Field ID: G2CE0093 | Comments:                                               |

Location: Lake Lotta at Center of southern lobe

Matrix: Fresh

(Check One) ☒ Grab ☐ Composite

| Matrix: Fresh                                     |           |                                                |                                                                             |                                             |                  |                               |                 |                     |                |                       |              |    |       |   |    |   |   |
|---------------------------------------------------|-----------|------------------------------------------------|-----------------------------------------------------------------------------|---------------------------------------------|------------------|-------------------------------|-----------------|---------------------|----------------|-----------------------|--------------|----|-------|---|----|---|---|
| Date and Time                                     | DO (mg/L) | DO (%SAT)                                      | Temp. °C                                                                    | pH                                          | Sample Depth (m) | Secchi Depth                  | Total Depth (m) | Sp COND (µmhos /cm) | Salinity (PPT) |                       |              |    |       |   |    |   |   |
| 4/21/2021<br>1030                                 | 7.74      | 92.2                                           | 24.2                                                                        | 7.13                                        | 0.3              | 0.8                           | 3.6             | 180.3               | 0.08           |                       |              |    |       |   |    |   |   |
| Central Lab please use top row for login purposes |           |                                                |                                                                             |                                             |                  |                               |                 |                     |                |                       |              |    |       |   |    |   |   |
|                                                   |           |                                                |                                                                             |                                             |                  |                               |                 |                     |                |                       |              |    |       |   |    |   |   |
| Parameter Suite                                   |           | Parameter Methods                              |                                                                             |                                             |                  | Preservation                  |                 | pH Check            |                | # Bottles sent to Lab | Bottle Group |    |       |   |    |   |   |
| Preserved Nutrients (P-500ML)                     |           | X                                              | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                 |                                             |                  |                               | X               | Ice                 | X              | H2SO4*                | X            | <2 | 1     | B |    |   |   |
|                                                   |           | Lot #                                          |                                                                             | SA0353110                                   |                  | Exp:                          |                 | 1/11/22             |                |                       |              |    |       |   |    |   |   |
| Metals (P-500ML)                                  |           | X                                              | W-ICPMS                                                                     |                                             | X                | W-ICP                         |                 | X                   | W-HARD         | X                     | Ice          | X  | HNO3* | X | <2 | 1 | B |
|                                                   |           | Lot #                                          |                                                                             | NA0344060                                   |                  | Exp:                          |                 | 1/4/22              |                |                       |              |    |       |   |    |   |   |
| Filtered Nutrients (P125ML)                       |           | X                                              | W-PO4-F                                                                     |                                             | X                | Field Filtered 0.45 um Filter |                 |                     |                | X                     | Ice          |    |       | 1 | B  |   |   |
|                                                   |           | Filter Lot #                                   |                                                                             | 17135566                                    |                  |                               |                 |                     |                |                       |              |    |       |   |    |   |   |
|                                                   |           | Syringe Lot #                                  |                                                                             | 79900                                       |                  |                               |                 |                     |                |                       |              |    |       |   |    |   |   |
| Chlorophyll (BP-1L)                               |           | X                                              | CHLSUITE-W                                                                  |                                             |                  |                               | X               | Ice                 |                |                       |              |    | 1     | B |    |   |   |
| Physical/Aggregate (Fresh) (P-1L)                 |           | X                                              | Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-IC / W-COLOR / W-SO4-IC / W-TDS |                                             |                  |                               | X               | Ice                 |                |                       |              |    | 1     | B |    |   |   |
| Physical/Aggregate (Marine) (P-1L)                |           | Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY |                                                                             |                                             |                  | Ice                           |                 |                     |                |                       |              |    |       |   |    |   |   |
| Macroinvertebrates (PJ-2L)                        |           | MI-FW-QLDC                                     |                                                                             |                                             |                  | Ice                           |                 |                     |                |                       |              |    |       |   |    |   |   |
| 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-DIELDRIN                    |                 |                     |                |                       |              |    |       |   |    |   |   |
|                                                   |           | W-PCL-SQ-R                                     |                                                                             | W-CARB-AA ( 5 ml of MCAA** Buffer Solution) |                  | W-CT-CL-R                     |                 |                     |                |                       |              |    |       |   |    |   |   |
| Phytoplankton                                     |           | X                                              | DTY-QN-C                                                                    |                                             | X                | PKD-QN-BV                     |                 | X                   | Ice            |                       |              | 1  | B     |   |    |   |   |

Date of Request: 10-JAN-2021  
 Created By: BOMAN\_L On: 10-JAN-2021  
 Modified By: JASROTIA\_P On: 19-JAN-2021  
 Customer: CEN-DIST  
 Project: SMP  
 Division:  
 District: Central District  
 Event Description: Johns Lake Outlet/Lake Jane/Lake Lotta

**Send Coolers To:**

Phone: 407-897-4178  
 FL Dept. of Environmental Protection  
 3319 Maguire Blvd., Suite 232  
 Orlando, FL 32803-3767  
 Attn: Natalie Ayala  
 Cooler Ship EMail: natalie.ayala@dep.state.fl.us

Priority: 3  
 Event Status: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 19-JAN-2021  
 Biology Request Reviewed By: JASROTIA\_P On: 19-JAN-2021  
 Sampling Kit Required: YES Ship on: 05-FEB-2021  
 Sampling Kit Shipped: YES On: 01-FEB-2021  
 Sampling Kit Packed By: SHAIK\_A  
 Preservatives Needed: NO  
 Date to Receive Samples: 15-FEB-2021  
 Logged In By: SHAIK\_A On: 12-MAR-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: natalie.ayala@dep.state.fl.us

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

Bottle Group A: Johns Lake/Lake Jane  
 Bottle Group B: Lake Lotta

**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-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: 2 | 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: 2 | Preserved With: ICE                                                                                          |
| ECOLI-18QT                        | Template: DEFAULT    | (SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems     |
| 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 1 Samples:**

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

|                      |                   |                                                                                                                                                |                               |
|----------------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| 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-2011) 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                                                       |                               |
| Bottle Type: P-1L    |                   | Number of Bottles: 1                                                                                                                           | Preserved With: ICE           |
| ALKALINITY           | Template: DEFAULT | (SM 2320 B-2011) 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-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: 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-BV            | Template: DEFAULT | (SOP-AB05) No. of wet taxa of quantitative phytoplankton sample w/speciation and cell counts.                                                  |                               |
| Bottle Type: P-500ML |                   | Number of Bottles: 1                                                                                                                           | Preserved With: HNO3          |
| W-HARD               | Template: DEFAULT | (SM 2340B) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3                                                                |                               |
| Hardness             |                   |                                                                                                                                                |                               |
| 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 |                               |
| Barium               |                   |                                                                                                                                                |                               |
| Calcium              |                   |                                                                                                                                                |                               |
| Iron                 |                   |                                                                                                                                                |                               |
| Magnesium            |                   |                                                                                                                                                |                               |
| Potassium            |                   |                                                                                                                                                |                               |
| Sodium               |                   |                                                                                                                                                |                               |
| Zinc                 |                   |                                                                                                                                                |                               |
| W-ICPMS              | Template:         | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects                    |                               |
| *Boron               |                   |                                                                                                                                                |                               |
| Aluminum             |                   |                                                                                                                                                |                               |
| Antimony             |                   |                                                                                                                                                |                               |
| Arsenic              |                   |                                                                                                                                                |                               |
| Beryllium            |                   |                                                                                                                                                |                               |
| Cadmium              |                   |                                                                                                                                                |                               |
| Chromium             |                   |                                                                                                                                                |                               |
| Copper               |                   |                                                                                                                                                |                               |
| Lead                 |                   |                                                                                                                                                |                               |
| Nickel               |                   |                                                                                                                                                |                               |
| Selenium             |                   |                                                                                                                                                |                               |
| Silver               |                   |                                                                                                                                                |                               |
| Thallium             |                   |                                                                                                                                                |                               |

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