

RQ- 2023 - 03 - 06 - 24

## Login Checklist

Login Station ID: # 2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 03/10/2023 / 09:13

| *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 |                    |
| 0.8c                |                        |                                        |          | 1                                     |               | x  |          |    | 5859 4733 7104     |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |

## 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 x No \_\_\_\_\_

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

Yes \_\_\_\_\_ No x

## CONTAINER CHECK

Evidence Tape on Bottles? Yes \_\_\_\_\_ No \_\_\_\_\_ NA x Evidence Tape intact? Yes \_\_\_\_\_ No \_\_\_\_\_

If Criminal, photographs taken? Yes \_\_\_\_\_ No \_\_\_\_\_ Containers intact? Yes x No \_\_\_\_\_

Caps on tight? Yes x No \_\_\_\_\_

Sufficient Sample Volume: Yes x 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 x Init: **ABS** /

Chlorine detected? (One container checked per Field ID)

Yes \_\_\_\_\_ No x Init: **ABS** /

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

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

Coolers Unpacked/Checked by: **ABS** /

Date: 03/10/2023

Event contains NCRs(Y/N)? n

Event ID:

**CEN - DIST - 2023 - 03 - 10 - 02**

## Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

|                          |                                               |
|--------------------------|-----------------------------------------------|
| Infrared Thermometer ID: | IRTG # 2 EXP:10/17/2023                       |
| pH Test Strips 0 – 6     | LOT#223819AV EXP:8/30/23                      |
| pH Paper 0 – 3           | N/A                                           |
| pH Paper 0 – 13          | LOT#207621 EXP:3/15/2024                      |
| Chlorine Test Strips     | 0129 03 / abs/03/01/2023<br>0070 / 2023 / 01/ |

### ENCORE SAMPLES

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

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

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# \_\_\_\_\_

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
CHAIN OF CUSTODY FORM

**Date:** 3/9/2023  
**Customer:** CEN-DIST  
**RQ:** RQ-2023-03-06-24  
**Collected By:** Matt Bearden, Katie March  
**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                                                                                |
|------------------------------------|------------------------------------------------------------------------------------------------|
| SJR ~ 700m upstream of Lake Winder | <br>G3CE0030 |

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 3/9/2023 1600  
EST

**THIS SECTION TO BE COMPLETED BY LABORATORY**

Rec'd/Inspected By: A.SHAIK

Rec'd/Inspected

Date: 03/10/2023



RQ-2023-03-06-24

Collected By: Matt Bearden, Katie March

Customer: FDEP

Field Report Prepared by: Matt Bearden, Katie March

Project ID: SMP

Sampling Agency: FDEP

Comments:

WIN ID/Field ID:



WIN ID/Field ID: G3CE0030

Location: SJR ~ 700m upstream of Lake Winder

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) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|--------------------|----------------|
| 3/9/2023<br>1240    | 7.01      | 83.4      | 23.9     | 7.38 | 0.3              | 0.8          | 1.2             | 700                | 0.34           |

| 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)                   | x                                                                           | W-ICPMS                                  | x                             | W-ICP     | x            | W-HARD   | x          | Ice       | x                     | HNO3*        |
|                                    | Lot #                                                                       |                                          | NA2126030                     |           | Exp:         |          | 06/02/2023 |           | X                     | <2           |
| Filtered Nutrients (P125ML)        | W-PO4-F                                                                     |                                          | Field Filtered 0.45 µm Filter |           | Ice          |          |            |           |                       |              |
|                                    | Filter Lot #                                                                | Syringe Lot #                            |                               |           |              |          |            |           |                       |              |
| BOD (BP-1L)                        | OV-BODUNIN                                                                  |                                          |                               |           | Ice          |          |            |           |                       |              |
| Chlorophyll (BP-1L)                | CHLSUITE-W                                                                  |                                          |                               |           | Ice          |          |            |           |                       |              |
| Physical/Aggregate (Fresh) (P-1L)  | Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-C / W-COLOR / W-SO4-IC / W- TDS |                                          |                               |           | Ice          |          |            |           |                       |              |
| Physical/Aggregate (Marine) (P-1L) | Alkalinity / 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      | MCAA Exp.  | MCAA Lot# |                       |              |
|                                    | W-PCL-TQ-R                                                                  | W-CARB-AA (5 ml of MCAA Buffer Solution) |                               | W-CT-CL-R |              |          |            |           |                       |              |
|                                    | W-TR-SQ-R                                                                   | W-PCB-TQ-R                               |                               |           |              |          |            |           |                       |              |
| Phytoplankton                      | DTY-QN-C                                                                    |                                          | PKD-QN-BV                     |           | Ice          |          |            |           |                       |              |
| DOC                                | W-DOC                                                                       | Field Filtered 0.45 µm Filter            |                               | Ice       |              | H2SO4*   |            |           |                       |              |
|                                    |                                                                             | Acid Preservative Expiration Date        |                               |           |              |          |            |           |                       |              |
|                                    |                                                                             | Acid Preservative Lot Number             |                               |           |              |          |            |           |                       |              |

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
CHAIN OF CUSTODY FORM

**Date:** 3/9/2023  
**Customer:** CEN-DIST  
**RQ:** RQ-2023-03-06-24

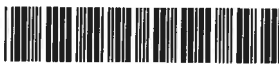
**Collected By:** Matt Bearden, Katie March  
**Sampling Agency:** FDEP  
**Project ID:** SMP

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| Site Location                      | Field ID/WIN ID                                                                                |
|------------------------------------|------------------------------------------------------------------------------------------------|
| SJR ~ 700m upstream of Lake Winder | <br>G3CE0030 |

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 3/9/2023 1600  
EST

**THIS SECTION TO BE COMPLETED BY LABORATORY**

**Rec'd/Inspected By:** A.SHAIK

**Rec'd/Inspected**

**Date:** 03/10/2023



RQ-2023-03-06-24

Collected By: Matt Bearden, Katie March

Customer: FDEP

Field Report Prepared by: Matt Bearden, Katie March

Project ID: SMP

Sampling Agency: FDEP

 WIN ID/Field ID:   
 WIN ID/Field ID: G3CE0030

Comments:

Location: SJR ~ 700m upstream of Lake Winder

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 (PPTH) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|--------------------|-----------------|
| 3/9/2023<br>1240    | 7.01      | 83.4      | 23.9     | 7.38 | 0.3              | 0.8          | 1.2             | 700                | 0.34            |

| 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*   |                       |              |   |       |   |    |   |   |
|                                    | Lot #                                                                     |         |                                          |       | Exp:         |          | <2                    |              |   |       |   |    |   |   |
| Metals (P-500ML)                   | x                                                                         | W-ICPMS | x                                        | W-ICP | x            | W-HARD   | x                     | Ice          | x | HNO3* | X | <2 | 1 | A |
|                                    | Lot #                                                                     |         |                                          |       | NA2126030    |          | Exp:                  | 06/02/2023   |   |       |   |    |   |   |
| Filtered Nutrients (P125ML)        | W-PO4-F                                                                   |         | Field Filtered 0.45 µm Filter            |       |              | Ice      |                       |              |   |       |   |    |   |   |
|                                    | Filter Lot #                                                              |         | Syringe Lot #                            |       |              |          |                       |              |   |       |   |    |   |   |
| BOD (BP-1L)                        | OV-BODUNIN                                                                |         |                                          |       |              | Ice      |                       |              |   |       |   |    |   |   |
| 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-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      | MCAA Exp.             | MCAA Lot#    |   |       |   |    |   |   |
|                                    | W-PCL-TQ-R                                                                |         | W-CARB-AA (5 ml of MCAA Buffer Solution) |       | W-CT-CL-R    |          |                       |              |   |       |   |    |   |   |
|                                    | W-TR-SQ-R                                                                 |         | W-PCB-TQ-R                               |       |              |          |                       |              |   |       |   |    |   |   |
| Phytoplankton                      | DTY-QN-C                                                                  |         | PKD-QN-BV                                |       |              | Ice      |                       |              |   |       |   |    |   |   |
| DOC                                | W-DOC                                                                     |         | Field Filtered 0.45 µm Filter            |       |              | Ice      |                       | H2SO4*       |   |       |   |    |   |   |
|                                    |                                                                           |         | Add Preservative Expiration Date         |       |              |          |                       |              |   |       |   |    |   |   |
|                                    |                                                                           |         | Add Preservative Lot Number              |       |              |          |                       |              |   |       |   |    |   |   |

Date of Request: 02-FEB-2023  
 Created By: BEARDEN\_M On: 02-FEB-2023  
 Modified By: AYRES\_J On: 16-FEB-2023  
 Customer: CEN-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Central District  
 Event Description: SJR Above Winder

**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: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: AYRES\_J On: 16-FEB-2023  
 Biology Request Reviewed By:  
 Sampling Kit Required: YES Ship on: 24-FEB-2023  
 Sampling Kit Shipped: YES On: 21-FEB-2023  
 Sampling Kit Packed By: SHAIK\_A  
 Preservatives Needed: NO  
 Date to Receive Samples: 07-MAR-2023  
 Logged In By: SHAIK\_A On: 10-MAR-2023

**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;jessie.atchison@floridadep.gov

Comments:

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

|                      |                      |                                                                                                                                                |
|----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 1 | Preserved With: HNO3                                                                                                                           |
| W-HARD               | Template: DEFAULT    | (SM 2340 B-2011) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3                                                          |
| Hardness             |                      |                                                                                                                                                |
| W-ICP                | Template: SMP-FRESH  | (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               |                      |                                                                                                                                                |
| Strontium            |                      |                                                                                                                                                |
| Tin                  |                      |                                                                                                                                                |
| Titanium             |                      |                                                                                                                                                |
| Vanadium             |                      |                                                                                                                                                |
| Zinc                 |                      |                                                                                                                                                |
| W-ICPMS              | Template: DEFAULT    | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects                    |
| Aluminum             |                      |                                                                                                                                                |
| Antimony             |                      |                                                                                                                                                |
| Arsenic              |                      |                                                                                                                                                |
| Barium               |                      |                                                                                                                                                |
| Beryllium            |                      |                                                                                                                                                |
| Boron                |                      |                                                                                                                                                |
| Cadmium              |                      |                                                                                                                                                |
| Chromium             |                      |                                                                                                                                                |
| Cobalt               |                      |                                                                                                                                                |
| Copper               |                      |                                                                                                                                                |
| Lead                 |                      |                                                                                                                                                |
| Manganese            |                      |                                                                                                                                                |
| Molybdenum           |                      |                                                                                                                                                |

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

Bottle Type: P-500ML

Number of Bottles: 1

Preserved With: HNO3

W-ICPMS

Template: DEFAULT

(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Nickel

Selenium

Silver

Thallium