

# Login Checklist

RQ- 2022-11-07-30

Login Station ID: #1

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 12/15/22 @ 9:42

| *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 |                    |
| 0.9                 |                 |                                        |          | 10                                    |               | ✓  |          |    | 5859 4731 3611     |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |

## 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: 11K

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 < 2.0?

Yes ✓ No ✓ NA \_\_\_\_\_ Init: 11K

\*\*W-1-4-DIOX (Green dot on container) preserved to pH < 4.0?

Yes \_\_\_\_\_ No \_\_\_\_\_ NA ✓ Init: 11K

If samples were not preserved correctly, generate an NCR listing affected sample IDs . NCR# 9668

Coolers Unpacked/Checked by: 11K

Date: 12/15/22

Event contains NCRs (Y/N)? Y

Run 14  
Event ID: SW-DIST-2022-12-15-01 (SMP)

—Date Received: 15-DEC-2022 09:42

# Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

|                          |                                 |
|--------------------------|---------------------------------|
| Infrared Thermometer ID: | IR TEMP GUN #1   Exp:10/17/2023 |
| pH Test Strips 0 – 6     | Lot# 223819AV   Exp:8/30/23     |
| pH Paper 0 – 3           |                                 |
| pH Paper 0 – 13          | Lot# 207621   Exp:3/15/24       |
| Chlorine Test Strips     | Lot# 0070   Exp:2/23            |

## 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# \_\_\_\_\_

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
CHAIN OF CUSTODY FORM

**Date:** 12/14/2022  
**Customer:** SW-DIST  
**RQ:** RQ-2022-11-07-30  
**Collected By:** Megan Maloney, Other  
**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:** 2

**Delivery Method:** FedEx

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

| Site Location         | Field ID/WIN ID                                                                                |
|-----------------------|------------------------------------------------------------------------------------------------|
| Lake Beulah SW        | <br>G2SW0053 |
| Crystal Lake @ Center | <br>G3SW0076 |

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 12/14/2022

1700 EST

**THIS SECTION TO BE COMPLETED BY LABORATORY**

Rec'd/Inspected By: *kh*

Rec'd/Inspected

Date: 12-15-22 / 0942



RQ-2022-11-07-30

Customer: FDEP

Project ID: SMP

Collected By: Megan Maloney, Other

Field Report Prepared by: Megan Maloney, Other

Sampling Agency: FDEP

WIN ID/Field ID:



WIN ID/Field ID: G2SW0053

Comments: Please log in PKD-QN-BV & DTY-QN-C under a separate event with priority 12, Bottle Group - B. |

Location: Lake Beulah SW

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) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|---------------------|-----------------|
| 12/14/2022 1145     | 9.17      | 104.3     | 21.7     | 7.93 | 0.3              | 0.6          | 0.6             | 97.4                | 0.04            |

  

| 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 | A  |  |
|                                    |                                   | Lot #                                                                       | SA2229010                                |                               | Exp:          | 11/4/23  |           |           |                       |              |   |    |  |
| Metals (P-500ML)                   |                                   | W-ICPMS                                                                     |                                          | W-ICP                         |               | W-HARD   |           | Ice       |                       | HNO3*        |   | <2 |  |
|                                    |                                   | Lot #                                                                       |                                          |                               | Exp:          |          |           |           |                       |              |   |    |  |
| Filtered Nutrients (P125ML)        | X                                 | W-PO4-F                                                                     |                                          | Field Filtered 0.45 um Filter |               |          | Ice       |           |                       |              |   |    |  |
|                                    |                                   | Filter Lot #                                                                |                                          |                               | Syringe Lot # |          |           |           |                       |              |   |    |  |
| BOD (BP-1L)                        |                                   | OV-BODUNIN                                                                  |                                          |                               |               | Ice      |           |           |                       |              |   |    |  |
| Chlorophyll (BP-1L)                | X                                 | CHLSUITE-W                                                                  |                                          |                               | X             | Ice      |           |           | 1                     | A            |   |    |  |
| Physical/Aggregate (Fresh) (P-1L)  | X                                 | 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-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                      | X                                 | DTY-QN-C                                                                    | X                                        | PKD-QN-BV                     | X             | Ice      |           |           | 1                     | B            |   |    |  |
| DOC                                |                                   | W-DOC                                                                       | Field Filtered 0.45 um Filter            |                               |               | Ice      |           | H2SO4*    |                       | <2           |   |    |  |
|                                    | Acid Preservative Expiration Date |                                                                             |                                          |                               |               |          |           |           |                       |              |   |    |  |
|                                    | Acid Preservative Lot Number      |                                                                             |                                          |                               |               |          |           |           |                       |              |   |    |  |

|                                                                                                                                                          |                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <p><b>WIN ID/Field ID:</b> </p> <p><b>WIN ID/Field ID:</b> G3SW0076</p> | <p><b>Comments:</b> Please log in PKD-QN-BV &amp; DTY-QN-C under a separate event with priority 12, Bottle Group - B.  </p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|

**Location:** Crystal Lake @ Center

|               |                                                                                         |
|---------------|-----------------------------------------------------------------------------------------|
| Matrix: Fresh | (Check One) <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite |
|---------------|-----------------------------------------------------------------------------------------|

| Date and Time<br>{EST} | DO<br>(mg/L) | DO<br>(%SAT) | Temp. °C | pH   | Sample<br>Depth (m) | Secchi<br>Depth | Total<br>Depth<br>(m) | Sp COND<br>(µmhos/cm) | Salinity<br>(PPT <sub>h</sub> ) |
|------------------------|--------------|--------------|----------|------|---------------------|-----------------|-----------------------|-----------------------|---------------------------------|
| 12/14/2022<br>1230     | 8.79         | 100.6        | 22       | 7.38 | 0.3                 | 0.8             | 5                     | 115.4                 | 0.05                            |

| 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  | A |  |
|                                    | Lot #                             |                                                                              | SA2229010                     |                                          | Exp:      |             | 11/04/23     |          |           |           |                       |              |    |   |  |
| Metals (P-500ML)                   |                                   | W-ICPMS                                                                      |                               | W-ICP                                    |           | W-HARD      |              |          | Ice       |           | HNO3*                 |              | <2 |   |  |
|                                    | Lot #                             |                                                                              | Exp:                          |                                          |           |             |              |          |           |           |                       |              |    |   |  |
| Filtered Nutrients (P125ML)        | X                                 | W-PO4-F                                                                      |                               | Field Filtered 0.45 um Filter            |           |             |              | Ice      |           |           |                       |              |    |   |  |
|                                    | Filter Lot #                      |                                                                              | Syringe Lot #                 |                                          |           |             |              |          |           |           |                       |              |    |   |  |
| BOD (BP-1L)                        |                                   | OV-BODUNIN                                                                   |                               |                                          |           |             |              | Ice      |           |           |                       |              |    |   |  |
| Chlorophyll (BP-1L)                | X                                 | CHLSUITE-W                                                                   |                               |                                          |           |             | X            | Ice      |           |           |                       |              |    |   |  |
| Physical/Aggregate (Fresh) (P-1L)  | X                                 | Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS |                               |                                          |           |             | X            | 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-HF1B3                                                                    |                               | 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                      | X                                 | DTY-QN-C                                                                     |                               | X                                        | PKD-QN-BV |             | X            | Ice      |           |           |                       | 1            | B  |   |  |
| DOC                                |                                   | W-DOC                                                                        | Field Filtered 0.45 um Filter |                                          |           |             | Ice          |          | H2SO 4*   |           | <2                    |              |    |   |  |
|                                    | Acid Preservative Expiration Date |                                                                              |                               |                                          |           |             |              |          |           |           |                       |              |    |   |  |
|                                    | Acid Preservative Lot Number      |                                                                              |                               |                                          |           |             |              |          |           |           |                       |              |    |   |  |

Date of Request: 17-OCT-2022  
 Created By: PASWATER\_B On: 17-OCT-2022  
 Modified By: JASROTIA\_P On: 20-OCT-2022  
 Customer: SW-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Southwest District  
 Event Description: Run 14

**Send Coolers To:**

Phone: 813-632-7600  
 FL Dept. of Environmental Protection  
 13051 N. Telecom Parkway  
 Temple Terrace, FL 33637-0926  
 Attn: Ben Paswater  
 Cooler Ship EMail: benjamin.paswater@dep.state.fl.us

Priority: 3  
 Event Status: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: AYRES\_J On: 20-OCT-2022  
 Biology Request Reviewed By: JASROTIA\_P On: 20-OCT-2022  
 Sampling Kit Required: YES Ship on: 28-OCT-2022  
 Sampling Kit Shipped: YES On: 25-OCT-2022  
 Sampling Kit Packed By: SHAIK\_A  
 Preservatives Needed: NO  
 Date to Receive Samples: 07-NOV-2022  
 Logged In By: KREUCH\_B On: 08-DEC-2022

**Send Final Report To:**

13051 N. Telecom Parkway  
 Temple Terrace, FL 33637-0926  
 Attn: Ben Paswater  
 Report Notification EMail:  
 benjamin.paswater@dep.state.fl.us;sarah.meyer@dep.state.fl.us  
 ;Jacob.Yodzis@FloridaDEP.gov

**Comments:****Bottle Group A (Water) With 3 Samples:**

|                   |                      |                                                                                                         |
|-------------------|----------------------|---------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L | Number of Bottles: 3 | 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    | (DEP SOP: NU-094-1) 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-2015) Total Dissolved Solids in aqueous matrices                                             |
| W-TSS             | Template: DEFAULT    | (SM 2540 D-2015) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample         |

|                    |                      |                                                                                                              |
|--------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: BP-1L | Number of Bottles: 3 | Preserved With: ICE                                                                                          |
| CHLSUITE-W         | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |

|                      |                      |                                                                     |
|----------------------|----------------------|---------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 3 | 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: 3 | Preserved With: FILTER-ICE                                                               |
| W-PO4-F              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L |

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

|                    |                      |                                                                                               |
|--------------------|----------------------|-----------------------------------------------------------------------------------------------|
| Bottle Type: 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. |

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