

RQ-2021-05-17-73

## Login Checklist

Login Station ID: #4

Shipping Method: FedEx UPS | HD | GreyhoundDate/Time of Receipt: 05/20/2021 @ 10:10

| *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 |                    |
| 1.2                 |                 |                                        |          | 10                                    |               | X  |          |    | 9293 8012 3036     |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |

## 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: Tulum

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: Tulum

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

Yes \_\_\_\_\_ No \_\_\_\_\_ NA ☒ Init: Tulum

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

Coolers Unpacked/Checked by: Tulum NymolsDate: 05/20/2021Event contains NCRs (Y/N)? None

Event ID:

Bird Lake Tributaries/rauk Canal  
CEN-DIST-2021-05-20-01 (SMP)  
Date Received: 20-MAY-2021 10:10

# Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

|                          |                            |
|--------------------------|----------------------------|
| Infrared Thermometer ID: | #4 Temp Gun EXP:10/28/2021 |
| pH Test Strips 0 – 6     | N/A                        |
| pH Paper 0 – 3           | N/A                        |
| pH Paper 0 – 13          | 210620 EXP:04/15/2023      |
| Chlorine Test Strips     | 0261 EXP:05/2023           |

## 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:** 5/19/2021 **Collected By:** Victoria Schwartz, Katie March  
**Customer:** CEN-DIST **Sampling:** FDEP  
**RQ:** RQ-2021-05-17-73 **Agency:**  
**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                                                                                |
|-----------------------------------------|------------------------------------------------------------------------------------------------|
| Bird Lake Ditches 1.2mi W of 95         | <br>G3CE0046 |
| Falk Canal @ 50m upstream of Fiske Blvd | <br>G3CE0016 |

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 5/19/2021  
1600 EST

**THIS SECTION TO BE COMPLETED BY LABORATORY**

Rec'd/Inspected By:

Tyler Reynolds

Rec'd/Inspected

Date:

05/20/2021



RQ-2021-05-17-73

Collected By: Victoria Schwartz, Katie March

Customer: FDEP

Field Report Prepared by: Victoria Schwartz, Katie March

Project ID: SMP

Sampling Agency: FDEP

WIN ID/Field ID:



WIN ID/Field ID: G3CE0046

Comments:

Location: Bird Lake Ditches 1.2mi W of 95

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)       |              |    |   |   |
|---------------------------------------------------|-----------|-----------------------------------------------------------------------------|--------------------------------------------|------------|-------------------------------|--------------|-----------------|--------------------|-----------------------|--------------|----|---|---|
| 5/19/2021 1102                                    | 5.27      | 65.4                                                                        | 25.5                                       | 7.3        | 0.1                           | 0.2          | 0.2             | 4778               | 2.55                  |              |    |   |   |
| 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 | A |
|                                                   |           | Lot #                                                                       | SA120053                                   |            | Exp:                          | 10/5/21      |                 |                    |                       |              |    |   |   |
| Metals (P-500ML)                                  |           | W-ICPMS                                                                     |                                            | W-ICP      | W-HARD                        |              | Ice             |                    | HNO3*                 |              | <2 |   |   |
|                                                   |           | Lot #                                                                       |                                            |            | Exp:                          |              |                 |                    |                       |              |    |   |   |
| Filtered Nutrients (P125ML)                       | X         | W-PO4-F                                                                     |                                            | X          | Field Filtered 0.45 µm Filter |              | X               | Ice                |                       |              |    | 1 | A |
|                                                   |           | Filter Lot #                                                                | 17135566                                   |            |                               |              |                 |                    |                       |              |    | 1 | A |
|                                                   |           | Syringe Lot #                                                               | 1091364                                    |            |                               |              |                 |                    |                       |              |    | 1 | A |
| 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-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)                | X         | E Coli                                                                      |                                            | F Coli     | Enterococci                   | X            | Ice             |                    |                       |              |    | 1 | A |
|                                                   |           | 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                                     |           | DTY-QN-C                                                                    |                                            | PKD-QN-BV  |                               |              | Ice             |                    |                       |              |    |   |   |



RQ-2021-05-17-73

Customer: FDEP

Project ID: SMP

Collected By: Victoria Schwartz, Katie March

Field Report Prepared by: Victoria Schwartz, Katie March

Sampling Agency: FDEP

 WIN ID/Field ID:   
 WIN ID/Field ID: G3CE0016

Comments:

Location: Falk Canal @ 50m upstream of Fiske Blvd

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) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|--------------------|----------------|
| 5/19/2021 1241      | 4.06      | 51.9      | 27.3     | 7.02 | 0.15             | 0.3          | 0.3             | 584                | 0.28           |

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            | A   |   |   |
|                                    |   | Lot #                                                                        |  | SA120053 |                                             | Exp:         |     | 10/5/21     |          |     |                       |              |     |   |   |
| Metals (P-500ML)                   |   | W-ICPMS                                                                      |  | W-ICP    |                                             | W-HARD       |     |             | Ice      |     | HNO3*                 |              |     |   |   |
|                                    |   | Lot #                                                                        |  |          |                                             | Exp:         |     |             |          |     | <2                    |              |     |   |   |
| Filtered Nutrients (P125ML)        | X | W-PO4-F                                                                      |  | X        | Field Filtered 0.45 um Filter               |              |     | X           | Ice      |     |                       | 1            | A   |   |   |
|                                    |   | Filter Lot #                                                                 |  | 17135566 |                                             |              |     |             |          |     |                       |              |     |   |   |
|                                    |   | Syringe Lot #                                                                |  | 1091364  |                                             |              |     |             |          |     |                       |              |     |   |   |
| 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-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) | X | E Coli                                                                       |  |          | F Coli                                      |              |     | Enterococci |          |     |                       | X            | Ice | 1 | A |
|                                    |   | 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-DIELDIN   |          |     |                       |              |     |   |   |
|                                    |   | W-PCL-SQ-R                                                                   |  |          | W-CARB-AA ( 5 ml of MCAA** Buffer Solution) |              |     | W-CT-CL-R   |          |     |                       |              |     |   |   |
| Phytoplankton                      |   | DTY-QN-C                                                                     |  |          | PKD-QN-BV                                   |              |     |             | Ice      |     |                       |              |     |   |   |

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Date of Request: 19-MAY-2021  
 Created By: BOMAN\_L On: 19-MAY-2021  
 Modified By: BOMAN\_L On: 19-MAY-2021  
 Customer: CEN-DIST  
 Project: SMP  
 Division:  
 District: Central District  
 Event Description: Bird Lake Tributaries/Faulk Canal

**Send Coolers To:**

Phone: 407-897-4181  
 FL Dept. of Environmental Protection  
 3319 Maguire Blvd., Suite 232  
 Orlando, FL 32803-3767  
 Attn: Leif Boman  
 Cooler Ship EMail: Leif.Boman@FloridaDEP.gov

Priority: 3  
 Event Status: P  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By:  
 Biology Request Reviewed By:  
 Sampling Kit Required: YES Ship on: 19-MAY-2021  
 Sampling Kit Shipped:  
 Sampling Kit Packed By:  
 Preservatives Needed: NO  
 Date to Receive Samples: 19-MAY-2021  
 Logged In By:

**Send Final Report To:**

FL Dept. of Environmental Protection  
 3319 Maguire Blvd., Suite 232  
 Orlando, FL 32803-3767  
 Attn: Kalina Warren  
 Report Notification EMail: Leif.Boman@FloridaDEP.gov

Comments:

**Bottle Group A (Water) With 2 Samples:**

| Bottle Type:                                                                          | Number of Bottles: | Preserved With:                                                                                              |
|---------------------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------|
| ALKALINITY<br>Total Alkalinity                                                        | Template: DEFAULT  | (SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO <sub>3</sub> /L                                   |
| CHLSUITE-W<br>Chlorophyll-a, Corrected<br>Chlorophyll-a, Uncorrected<br>Phaeophytin-a | Template: DEFAULT  | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |
| ECOLI-18QT<br>Escherichia Coli-Quanti-Tray                                            | Template: DEFAULT  | (SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems     |
| TURBIDITY<br>Turbidity                                                                | Template: DEFAULT  | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                           |
| W-CL-IC<br>Chloride                                                                   | Template: DEFAULT  | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                            |
| W-COLOR<br>Color (true)                                                               | Template: DEFAULT  | (SM 2120 B-2011) True Color measured at 450 nm (not valid for NPDES monitoring)                              |
| W-F<br>Fluoride                                                                       | Template: DEFAULT  | (SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)       |
| W-NH3<br>Ammonia-N                                                                    | Template: DEFAULT  | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                   |
| W-NO2NO3<br>NO2NO3-N                                                                  | Template: DEFAULT  | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                           |
| W-PO4-F<br>O-Phosphate-P                                                              | Template: DEFAULT  | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                     |
| W-S-A-TP<br>Total-P                                                                   | Template: DEFAULT  | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                          |
| W-SO4-IC<br>Sulfate                                                                   | Template: DEFAULT  | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                             |

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**Bottle Group A (Water) With 2 Samples:**

| Bottle Type:      | Number of Bottles: | Preserved With:                                                                                 |
|-------------------|--------------------|-------------------------------------------------------------------------------------------------|
| W-TDS             | Template: DEFAULT  | (SM 2540 C-2011) Total Dissolved Solids in aqueous matrices                                     |
| TDS               |                    |                                                                                                 |
| W-TKN             | Template: DEFAULT  | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                |
| Kjeldahl Nitrogen |                    |                                                                                                 |
| W-TOC             | Template: DEFAULT  | (SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices                                |
| Organic Carbon    |                    |                                                                                                 |
| W-TSS             | Template: DEFAULT  | (SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample |
| TSS               |                    |                                                                                                 |