

# Login Checklist

RQ- **2022 - 08 - 08 - 68**

Login Station ID: **# 2**

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: **09/09/2022 / 09:21**

| *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 |                       |
| <b>2.1C</b>         |                 |                                        |          | <b>9</b>                              |               | <b>X</b> |          |    | <b>5859 4727 6495</b> |
|                     |                 |                                        |          |                                       |               |          |          |    |                       |
|                     |                 |                                        |          |                                       |               |          |          |    |                       |
|                     |                 |                                        |          |                                       |               |          |          |    |                       |
|                     |                 |                                        |          |                                       |               |          |          |    |                       |

## 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 **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< 2.0? Yes **X** No \_\_\_\_\_ NA \_\_\_\_\_ 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: **09/09/2022** Event contains NCRs (Y/N)? **N**

Event ID: **SO - DIST - 2022 - 09 - 09 - 01**

## Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

|                          |                                         |
|--------------------------|-----------------------------------------|
| Infrared Thermometer ID: | IRTG # 3 EXP:10/19/2022                 |
| pH Test Strips 0 – 6     | LOT#223819AV EXP:8/30/2023              |
| pH Paper 0 – 3           | N/A                                     |
| pH Paper 0 – 13          | LOT 207621 EXP:3/15/2024                |
| Chlorine Test Strips     | 0164/11/2023/05 abs<br>0070 / 2023 / 02 |

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

### **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:** 9/8/2022  
**Customer:** SO-DIST  
**RQ:** RQ-2022-08-08-68  
**Collected By:** Monica Jaeger, Nicole Reistad  
**Sampling Agency:** FDEP  
**Project ID:** SMP

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

**Number of Coolers Shipped:** 1

**Delivery Method:** FedEx

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

| Site Location           | Field ID/WIN ID                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------|
| Lake Apthorpe           | <br>G4SD0185   |
| Grassy Creek            | <br>G4SD0184  |
| GRASSY CREEK @ CR 621 E | <br>G4SD0165 |
| Lake Francis            | <br>G4SD0187 |

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 9/8/2022 1500  
EST

**THIS SECTION TO BE COMPLETED BY LABORATORY**

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

**Rec'd/Inspected Date:** 09/09/2022 / 09:21



|                                                                                                                                 |                                                         |
|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| RQ-2022-08-08-68                                                                                                                | Collected By: Nicole Reistad, Monica Jaeger             |
| Customer: FDEP                                                                                                                  | Field Report Prepared by: Nicole Reistad, Monica Jaeger |
| Project ID: SMP                                                                                                                 | Sampling Agency: FDEP                                   |
| WIN ID/Field ID: <br>WIN ID/Field ID: G4SD0185 | Comments:                                               |

Location:  
Location: Lake Apthorpe

Matrix: Fresh (Check One) ☒ Grab ☐ Composite

| Date and Time {EST} | DO (mg/L) | DO (%SAT) | Temp. © | pH  | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos /cm) | Salinity (PPT) |
|---------------------|-----------|-----------|---------|-----|------------------|--------------|-----------------|---------------------|----------------|
| 9/8/2022<br>1000    | 6.67      | 90.4      | 31.5    | 7.1 | 0.3              | 2.4          | 7.5             | 215.2               | 0.1            |

  

| 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<br>Lot # SA2145160 Exp: 6/2/23                                             | X Ice X H2SO4*          | X <2     | 1                     | A            |
| Metals (P-500ML)                   | W-ICPMS W-ICP W-HARD<br>Lot # Exp:                                                                                       | Ice HNO3*               | <2       |                       |              |
| Filtered Nutrients (P125ML)        | W-PO4-F Field Filtered 0.45 um Filter<br>Filter Lot # Syringe Lot #                                                      | Ice                     |          |                       |              |
| BOD (BP-1L)                        | OV-80DUNIN                                                                                                               | 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<br>Contract Lab                                                                                | Ice                     |          |                       |              |
| Molecular (QPCR-P-500ML)           | PCR-HF183 PCR-BacR PCR-DG3<br>PCR-GULL2 PCR-GFD                                                                          | Ice                     |          |                       |              |
| Tracers (BG-500ML)                 | W-E8321-DI W-E8321-MS W-PSNP-TQ                                                                                          | Ice                     |          |                       |              |
| Pesticides (BG-500ML) (BG-1L)      | W-E8321-DI W-E8321-MS W-PSNP-TQ<br>W-PCL-TQ-R W-CARB-AA (5 ml of MCAA Buffer Solution) W-CT-CL-R<br>W-TR-SQ-R W-PCB-TQ-R | Ice MCAA Exp. MCAA Lot# |          |                       |              |
| Phytoplankton                      | DTY-QN-C PKD-QN-BV                                                                                                       | Ice                     |          |                       |              |



|                                                                                                                                 |                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| RQ-2022-08-08-68                                                                                                                | Collected By: Nicole Reistad, Monica Jaeger                        |
| Customer: FDEP                                                                                                                  | Field Report Prepared by: Nicole Reistad, Monica Jaeger            |
| Project ID: SMP                                                                                                                 | Sampling Agency: FDEP                                              |
| WIN ID/Field ID: <br>WIN ID/Field ID: G4SD0184 | Comments: Microbiology sample(s) submitted to contract laboratory. |

Location:  
Location: Grassy Creek

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)        |              |   |  |
|------------------------------------|-----------|-----------------------------------------------------------------------------|------------------------------------------|---------------|------------------|--------------|-----------------|---------------------|-----------------------|--------------|---|--|
| 9/8/2022 1030                      | 3.21      | 40.2                                                                        | 26.4                                     | 5.43          | 0.15             | 0.3          | 0.3             | 170.8               | 0.08                  |              |   |  |
| 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*                |              |   |  |
|                                    |           | Lot #                                                                       | SA2145160                                | Exp:          | 6/2/23           |              |                 | X                   | <2                    | 1            | B |  |
| Metals (P-500ML)                   |           | W-ICPMS                                                                     |                                          |               |                  |              | Ice             |                     | HNO3*                 |              |   |  |
|                                    |           | Lot #                                                                       |                                          | Exp:          |                  |              |                 |                     | <2                    |              |   |  |
| Filtered Nutrients (P125ML)        |           | W-PO4-F                                                                     |                                          |               |                  |              | Ice             |                     |                       |              |   |  |
|                                    |           | Filter Lot #                                                                |                                          | Syringe Lot # |                  |              |                 |                     |                       |              |   |  |
| BOD (BP-1L)                        |           | OV-BODUNIN                                                                  |                                          |               |                  |              | Ice             |                     |                       |              |   |  |
| Chlorophyll (BP-1L)                | X         | CHLSUITE-W                                                                  |                                          |               |                  | X            | Ice             |                     |                       | 1            | B |  |
| 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            | B |  |
| 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) | X         | E Coli                                                                      |                                          |               |                  |              | Ice             |                     |                       |              |   |  |
|                                    | X         | Contract Lab                                                                |                                          |               |                  |              |                 |                     |                       | 1            | B |  |
| Molecular (QPCR-P-500ML)           |           | PCR-HF183                                                                   |                                          |               |                  |              | Ice             |                     |                       |              |   |  |
|                                    |           | PCR-GULL2                                                                   |                                          |               |                  |              |                 |                     |                       |              |   |  |
| Tracers (BG-500ML)                 |           | W-E8321-DI                                                                  |                                          |               |                  |              | 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                                                                    |                                          |               |                  |              | Ice             |                     |                       |              |   |  |



|                                                                                                                                 |                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| RQ-2022-08-08-68                                                                                                                | Collected By: Nicole Reistad, Monica Jaeger                        |
| Customer: FDEP                                                                                                                  | Field Report Prepared by: Nicole Reistad, Monica Jaeger            |
| Project ID: SMP                                                                                                                 | Sampling Agency: FDEP                                              |
| WIN ID/Field ID: <br>WIN ID/Field ID: G4SD0165 | Comments: Microbiology sample(s) submitted to contract laboratory. |

## Location:

Location: GRASSY CREEK @ CR 621 E

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) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|---------------------|----------------|
| 9/8/2022<br>1110    | 3.52      | 45        | 27.8     | 5.53 | 0.05             | 0.1          | 0.1             | 150.8               | 0.07           |

  

| 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<br>Lot # _____ Exp: _____                                                    | Ice H2SO4*              | <2       |                       |              |
| Metals (P-500ML)                   | W-ICPMS W-ICP W-HARD<br>Lot # _____ Exp: _____                                                                           | Ice HNO3*               | <2       |                       |              |
| Filtered Nutrients (P125ML)        | W-PO4-F Field Filtered 0.45 µm Filter<br>Filter Lot # _____ Syringe Lot # _____                                          | Ice                     |          |                       |              |
| BOD (BP-1L)                        | OV-BODUNIN                                                                                                               | Ice                     |          |                       |              |
| Chlorophyll (BP-1L)                | CHLSUITE-W                                                                                                               | Ice                     |          |                       |              |
| Physical/Aggregate (Fresh) (P-1L)  | Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / 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) | X E Coli F Coli Enterococci<br>X Contract Lab                                                                            | x Ice                   |          | 1                     | C            |
| Molecular (QPCR-P-500ML)           | PCR-HF183 PCR-BacR PCR-DG3<br>PCR-GULL2 PCR-GFD                                                                          | Ice                     |          |                       |              |
| Tracers (BG-500ML)                 | W-E8321-DI W-E8321-MS                                                                                                    | Ice                     |          |                       |              |
| Pesticides (BG-500ML) (BG-1L)      | W-E8321-DI W-E8321-MS W-PSNP-TQ<br>W-PCL-TQ-R W-CARB-AA (5 ml of MCAA Buffer Solution) W-CT-CL-R<br>W-TR-SQ-R W-PCB-TQ-R | Ice MCAA Exp. MCAA Lot# |          |                       |              |
| Phytoplankton                      | DTY-QN-C PKD-QN-BV                                                                                                       | Ice                     |          |                       |              |



RQ-2022-08-08-68

Collected By: Monica Jaeger, Nicole Reistad

Customer: FDEP

Field Report Prepared by: Monica Jaeger, Nicole Reistad

Project ID: SMP

Sampling Agency: FDEP

 WIN ID/Field ID:   
 WIN ID/Field ID: G4SD0187

Comments:

Location:

Location: Lake Francis

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) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|---------------------|-----------------|
| 9/8/2022<br>920     | 8.47      | 114.4     | 31.2     | 8.39 | 0.3              | 1.3          | 5.3             | 182.1               | 0.08            |

  

| 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 #                                                                       | SA2145160                                | Exp: 6/2/23    |          |    |                       |              |
| Metals (P-500ML)                   |                   | W-ICPMS                                                                     | W-ICP                                    | W-HARD         |          | <2 |                       |              |
|                                    |                   | Lot #                                                                       |                                          | Exp:           |          |    |                       |              |
| Filtered Nutrients (P125ML)        |                   | W-PO4-F                                                                     | Field Filtered 0.45 um Filter            |                |          |    |                       |              |
|                                    |                   | Filter Lot #                                                                | Syringe Lot #                            |                |          |    |                       |              |
| BOD (BP-1L)                        |                   | OV-BODUNIN                                                                  |                                          |                |          |    |                       |              |
| 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                                        |                                          |                |          |    |                       |              |
| Macroinvertebrates (PJ-2L)         |                   | MI-FW-QLDC                                                                  | Formalin Lot #                           |                |          |    |                       |              |
| Periphyton (PT-50ML)               |                   | ALGAE-ID                                                                    |                                          |                |          |    |                       |              |
| Microbiology (Contract Lab Bottle) |                   | E Coli                                                                      | F Coli                                   | Enterococci    |          |    |                       |              |
|                                    |                   | Contract Lab                                                                |                                          |                |          |    |                       |              |
| Molecular (QPCR-P-500ML)           |                   | PCR-HF183                                                                   | PCR-BacR                                 | PCR-DG3        |          |    |                       |              |
|                                    |                   | PCR-GULL2                                                                   | PCR-GFD                                  |                |          |    |                       |              |
| Tracers (BG-500ML)                 |                   | W-E8321-DI                                                                  | W-E8321-MS                               |                |          |    |                       |              |
|                                    |                   | W-E8321-DI                                                                  | W-E8321-MS                               | W-PSNP-TQ      |          |    |                       |              |
| Pesticides (BG-500ML) (BG-1L)      |                   | 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                                |                |          |    |                       |              |

Bill to: Frances Moore  
PO #. 1065341

522090154

Enterococci  
E.coli (SM9223B Quantity)

Laboratory Sample Acceptability:  
pH < 2 : 0 BEAS Temperature: 3.9°C

- Monica Joeger

| 4. The client is responsible for documentation of the sampling event. Please list special sampling events on the sample history form. |                  |               |       |        |       |
|---------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------|-------|--------|-------|
| 1                                                                                                                                     | Collector:       | Monica Joeger | Date: | 9/8/22 | Time: |
| 2                                                                                                                                     | Relinquished by: |               | Date: |        | Time: |
| 3                                                                                                                                     | Relinquished by: |               | Date: |        | Time: |
| 4                                                                                                                                     | Relinquished by: |               | Date: |        | Time: |
| 5                                                                                                                                     | Relinquished by: |               | Date: |        | Time: |

Date of Request: 25-JUL-2022  
 Created By: MULLEN\_W On: 25-JUL-2022  
 Modified By: JASROTIA\_P On: 26-JUL-2022  
 Customer: SO-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: South District  
 Event Description: 2022 SMP : Highland Lakes

**Send Coolers To:**

Phone: 239-344-5716  
 FLDEP South District Office  
 2295 Victoria Ave. Suite 314  
 Fort Myers, FL 33901-3381  
 Attn: William Mullen  
 Cooler Ship Email: William.Mullen@FloridaDEP.gov

Priority: 3  
 Event Status: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: AYRES\_J On: 26-JUL-2022  
 Biology Request Reviewed By: JASROTIA\_P On: 26-JUL-2022  
 Sampling Kit Required: YES Ship on: 29-JUL-2022  
 Sampling Kit Shipped: YES On: 29-JUL-2022  
 Sampling Kit Packed By: SHAIK\_A  
 Preservatives Needed: NO  
 Date to Receive Samples: 09-AUG-2022  
 Logged In By: SHAIK\_A On: 09-SEP-2022

**Send Final Report To:**

FLDEP South District Office  
 2295 Victoria Ave. Suite 364  
 Fort Myers, FL 33901-3381  
 Attn: William Mullen  
 Report Notification Email:  
 Nicole.Reistad@FloridaDEP.gov; Kirby.Wolfe@dep.state.fl.us; William.Mullen@FloridaDEP.gov; Monica.Jaeger@FloridaDEP.gov; Thomas.J.Baker@FloridaDEP.gov

Comments: Group A: (Francis, Apthorpe) Freshwater Nutrients  
 Group B: (G4SD0184) Freshwater Nutrients, E. coli  
 Group C: (G4SD0165) E. coli  
 Group D: (Lake Carrie LVI) Freshwater Nutrients, Freshwater Metals, Tracers, W-PSNP-TQ, W-TR-SQ-R, E. coli

#####  
 W-TR-SQ-R (sunscreen)

Wash your hands thoroughly and wear gloves. Refrain from using sunscreens on the day of sample collection.

#####

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

|                                   |                      |                                                                                                              |
|-----------------------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L                 | Number of Bottles: 2 | Preserved With: ICE                                                                                          |
| ALKALINITY                        | Template: DEFAULT    | (SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO <sub>3</sub> /L                                   |
| TURBIDITY                         | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                           |
| W-CL-IC                           | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                            |
| W-COLOR                           | Template: DEFAULT    | (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-SO <sub>4</sub> -IC             | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                             |
| W-TDS                             | Template: DEFAULT    | (SM 2540 C-2011) Total Dissolved Solids in aqueous matrices                                                  |
| W-TSS                             | Template: DEFAULT    | (SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample              |
| Bottle Type: BP-1L                | Number of Bottles: 2 | Preserved With: ICE                                                                                          |
| CHLSUITE-W                        | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |
| Bottle Type: P-500ML              | Number of Bottles: 2 | Preserved With: ICE And H <sub>2</sub> SO <sub>4</sub>                                                       |
| W-NH <sub>3</sub>                 | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                   |
| W-NO <sub>2</sub> NO <sub>3</sub> | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                           |
| W-S-A-TP                          | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                          |
| W-TKN                             | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                             |
| W-TOC                             | Template: DEFAULT    | (SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices                                             |

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

|                                   |                      |                                                                                                              |
|-----------------------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L                 | Number of Bottles: 1 | Preserved With: ICE                                                                                          |
| ALKALINITY                        | Template: DEFAULT    | (SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO <sub>3</sub> /L                                   |
| TURBIDITY                         | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                           |
| W-CL-IC                           | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                            |
| W-COLOR                           | Template: DEFAULT    | (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-SO <sub>4</sub> -IC             | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                             |
| W-TDS                             | Template: DEFAULT    | (SM 2540 C-2011) Total Dissolved Solids in aqueous matrices                                                  |
| W-TSS                             | Template: DEFAULT    | (SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample              |
| Bottle Type: BP-1L                | Number of Bottles: 1 | Preserved With: ICE                                                                                          |
| CHLSUITE-W                        | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |
| Bottle Type: P-250ML-WI-THI       | Number of Bottles: 1 | Preserved With: ICE                                                                                          |
| SD-BES-ECQ                        | Template: DEFAULT    | (SM 9223 Quanti-Tray) E. coli by Colilert/QT by BEA South in North Port                                      |
| Bottle Type: P-500ML              | Number of Bottles: 1 | Preserved With: ICE And H <sub>2</sub> SO <sub>4</sub>                                                       |
| W-NH <sub>3</sub>                 | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                   |
| W-NO <sub>2</sub> NO <sub>3</sub> | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                           |
| W-S-A-TP                          | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                          |
| W-TKN                             | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                             |
| W-TOC                             | Template: DEFAULT    | (SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices                                             |

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

|                             |                      |                                                                         |
|-----------------------------|----------------------|-------------------------------------------------------------------------|
| Bottle Type: P-250ML-WI-THI | Number of Bottles: 1 | Preserved With: ICE                                                     |
| SD-BES-ECQ                  | Template: DEFAULT    | (SM 9223 Quanti-Tray) E. coli by Colilert/QT by BEA South in North Port |

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

|                             |                      |                                                                                                                                                |
|-----------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: BP-1L          | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| CHLSUITE-W                  | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                                   |
| Bottle Type: P-250ML-WI-THI | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| SD-BES-ECQ                  | Template: DEFAULT    | (SM 9223 Quanti-Tray) E. coli by Colilert/QT by BEA South in North Port                                                                        |
| Bottle Type: BG-500ML       | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| W-E8321-DI                  | Template: DEFAULT    | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                        |
| W-E8321-MS                  | Template: SMP        | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                        |
| Bottle Type: P-500ML        | Number of Bottles: 1 | Preserved With: HNO <sub>3</sub>                                                                                                               |
| W-HARD                      | Template: DEFAULT    | (SM 2340 B-2011) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO <sub>3</sub>                                              |
| 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                      |                      |                                                                                                                                                |

**Bottle Group D (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 |                                                                                     |
| Copper               |                   |                                                                                                                             |                                                                                     |
| Lead                 |                   |                                                                                                                             |                                                                                     |
| Manganese            |                   |                                                                                                                             |                                                                                     |
| Molybdenum           |                   |                                                                                                                             |                                                                                     |
| Nickel               |                   |                                                                                                                             |                                                                                     |
| Selenium             |                   |                                                                                                                             |                                                                                     |
| Silver               |                   |                                                                                                                             |                                                                                     |
| Thallium             |                   |                                                                                                                             |                                                                                     |
| Bottle Type: P-500ML |                   | Number of Bottles: 1                                                                                                        | Preserved With: ICE And H2SO4                                                       |
| W-NH3                | Template: DEFAULT | (EPA 350.1 Rev. 2.0)                                                                                                        | Ammonia in aqueous matrices as mg N/L                                               |
| W-NO2NO3             | Template: DEFAULT | (EPA 353.2 Rev. 2.0)                                                                                                        | Nitrite/Nitrate in aqueous matrices as mg N/L                                       |
| W-S-A-TP             | Template: DEFAULT | (EPA 365.1 Rev. 2.0)                                                                                                        | Total Phosphorus in aqueous matrices as mg P/L                                      |
| W-TKN                | Template: DEFAULT | (EPA 351.2 Rev. 2.0)                                                                                                        | Total Kjeldahl Nitrogen in aqueous matrices                                         |
| W-TOC                | Template: DEFAULT | (SM 5310 B-2011)                                                                                                            | Nonpurgeable Organic Carbon in aqueous matrices                                     |
| Bottle Type: P-125ML |                   | Number of Bottles: 1                                                                                                        | Preserved With: FILTER-ICE                                                          |
| W-PO4-F              | Template: DEFAULT | (EPA 365.1 Rev. 2.0)                                                                                                        | Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                 |
| Bottle Type: BG-1L   |                   | Number of Bottles: 4                                                                                                        | Preserved With: ICE                                                                 |
| W-PSNP-TQ            | Template: DEFAULT | (EPA 8270E)                                                                                                                 | Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS              |
| W-TR-SQ-R            | Template:         | (EPA 8270E)                                                                                                                 | Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM          |
| Bottle Type: P-1L    |                   | Number of Bottles: 1                                                                                                        | Preserved With: ICE                                                                 |
| ALKALINITY           | Template: DEFAULT | (SM 2320 B-2011)                                                                                                            | Alkalinity in aqueous matrices as mg CaCO3/L                                        |
| TURBIDITY            | Template: DEFAULT | (EPA 180.1 Rev. 2.0)                                                                                                        | Turbidity in aqueous matrices                                                       |
| W-CL-IC              | Template: DEFAULT | (EPA 300.0 Rev. 2.1)                                                                                                        | Chloride in aqueous matrices                                                        |
| W-COLOR              | Template: DEFAULT | (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-2011)                                                                                                            | Total Dissolved Solids in aqueous matrices                                          |
| W-TSS                | Template: DEFAULT | (SM 2540 D-2011)                                                                                                            | Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample      |

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

