

# Login Checklist

RQ- 2021-10-11-56

Login Station ID: #5

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 10/ 7 /21 @ 13:38

| *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 |                    |
| 0.7                 |                 |                                        |          | 7                                     |               | ✓  |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |

## 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: HK

Chlorine detected? (One container checked per Field ID)

Yes \_\_\_\_\_ No ✓ Init: HK

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: HK

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

Yes \_\_\_\_\_ No \_\_\_\_\_ NA ✓ Init: HK

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

Coolers Unpacked/Checked by: HK

Date: 10/ 7 /21 Event contains NCRs (Y/N)? N

Event ID: Alapaha River, Lake Kinsale, Ichetuck  
TLH-ROC-2021-10-07-01 (SMP)  
 Date Received: 07-OCT-2021 13:38

## Login Checklist

### Login Preservation Equipment

### Lot # & Exp: Date

### Additional Comments:

|                          |                             |
|--------------------------|-----------------------------|
| Infrared Thermometer ID: | IR TEMP GUN #5 EXP:10-28-21 |
| pH Test Strips 0 – 6     | Lot#210620 EXP:4-15-23      |
| pH Paper 0 – 3           |                             |
| pH Paper 0 – 13          | Lot#210620 EXP:4-15-23      |
| Chlorine Test Strips     | Lot#0261 EXP:5-23           |

### 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# \_\_\_\_\_**

### **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:** 10/7/2021  
**Customer:** TLH-DIST  
**RQ:** RQ-2021-10-11-56

**Collected By:** Paul Blair, Trey Fitzgerald  
**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

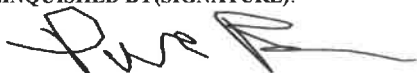
**Number of Coolers Shipped:** 16-7-22

**Delivery Method:** HandDelivered

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

| Site Location                 | Field ID/WIN ID                                                                                    |
|-------------------------------|----------------------------------------------------------------------------------------------------|
| Spring Creek 50m dstream US19 | <br>G1TLHR0145   |
| Ichetucknee Spring Group      | <br>G1TLHR0150   |
| Alapaha River CR751           | <br>G1TLHR0146 |

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 10/7/2021  
1600 EST

**THIS SECTION TO BE COMPLETED BY LABORATORY**

Rec'd/Inspected By: 

Rec'd/Inspected  
Date: 10.7.21 / 1338



|                  |                                                       |
|------------------|-------------------------------------------------------|
| RQ-2021-10-11-56 | Collected By: Paul Blair, Trey Fitzgerald             |
| Customer: FDEP   | Field Report Prepared by: Paul Blair, Trey Fitzgerald |
| Project ID: SMP  | Sampling Agency: FDEP                                 |

|                                                                                                                                   |           |
|-----------------------------------------------------------------------------------------------------------------------------------|-----------|
| WIN ID/Field ID: <br>WIN ID/Field ID: G1TLHR0145 | Comments: |
|-----------------------------------------------------------------------------------------------------------------------------------|-----------|

**Location:**

Location: Spring Creek 50m dstream US19

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) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|---------------------|----------------|
| 10/7/2021 915       | 2.72      | 31.2      | 22.1     | 7.13 | 0.15             | 0.3          | 0.3             | 298                 | 0.14           |

| Parameter Suite                    | Parameter Methods                                                            |        |                                             |        |           | Preservation |     |        | pH Check | # Bottles sent to Lab | Bottle Group |  |  |
|------------------------------------|------------------------------------------------------------------------------|--------|---------------------------------------------|--------|-----------|--------------|-----|--------|----------|-----------------------|--------------|--|--|
| Preserved Nutrients (P-500ML)      | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                  |        |                                             |        |           | Ice          |     | H2SO4* | <2       |                       |              |  |  |
|                                    | Lot #                                                                        |        |                                             | Exp:   |           |              |     |        |          |                       |              |  |  |
| Metals (P-500ML)                   | W-ICPMS                                                                      |        | W-ICP                                       |        | W-HARD    |              | Ice | HNO3*  | <2       |                       |              |  |  |
|                                    | Lot #                                                                        |        |                                             | Exp:   |           |              |     |        |          |                       |              |  |  |
| Filtered Nutrients (P125ML)        | W-PO4-F                                                                      |        | Field Filtered 0.45 um Filter               |        |           | Ice          |     |        |          |                       |              |  |  |
|                                    | Filter Lot #                                                                 |        |                                             |        |           |              |     |        |          |                       |              |  |  |
|                                    | Syringe Lot #                                                                |        |                                             |        |           |              |     |        |          |                       |              |  |  |
| 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-BR-IC / 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  | x   | Ice    |          | 2                     | B            |  |  |
|                                    | 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-PCL-TQ-R                                                                   |        | W-CARB-AA ( 5 ml of MCAA** Buffer Solution) |        | W-CT-CL-R |              |     |        |          |                       |              |  |  |
| Phytoplankton                      | DTY-QN-C                                                                     |        | PKD-QN-BV                                   |        |           | Ice          |     |        |          |                       |              |  |  |



|                                                                                                                                   |                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| RQ-RQ-2021-10-11-56                                                                                                               | Collected By: Paul Blair, Trey Fitzgerald             |
| Customer: FDEP                                                                                                                    | Field Report Prepared by: Paul Blair, Trey Fitzgerald |
| Project ID: SMP                                                                                                                   | Sampling Agency: FDEP                                 |
| WIN ID/Field ID: <br>WIN ID/Field ID: G1TLHR0150 | Comments:                                             |

Location:

Location: Ichetucknee Spring Group

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) |
|------------------------------------|-----------|-----------------------------------------------------------------------------|----------|------|--------------------------------------------|--------------|-----------------|-----------------------|-----------------|
| 10/7/2021<br>1040                  | 343       | 46.4                                                                        | 21.8     | 7.09 | 0.3                                        | 1.2          | 1.2             | 342.9                 | 0.16            |
| Parameter Suite                    |           | Parameter Methods                                                           |          |      | Preservation                               |              | pH Check        | # Bottles sent to Lab | Bottle Group    |
| Preserved Nutrients (P-500ML)      |           | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                 |          |      | Ice                                        |              | H2SO4*          | <2                    |                 |
|                                    |           | Lot #                                                                       |          |      | Exp:                                       |              |                 |                       |                 |
| Metals (P-500ML)                   |           | W-ICPMS                                                                     |          |      | W-ICP                                      |              | W-HARD          | HNO3*                 | <2              |
|                                    |           | Lot #                                                                       |          |      | Exp:                                       |              |                 |                       |                 |
| Filtered Nutrients (P125ML)        |           | W-PO4-F                                                                     |          |      | Field Filtered 0.45 µm Filter              |              |                 |                       |                 |
|                                    |           | Filter Lot #                                                                |          |      | Ice                                        |              |                 |                       |                 |
|                                    |           | Syringe Lot #                                                               |          |      |                                            |              |                 |                       |                 |
| Chlorophyll (BP-1L)                |           | CHLSUITE-W                                                                  |          |      | Ice                                        |              |                 |                       |                 |
| Physical/Aggregate (Fresh) (P-1L)  |           | Alkalinity / W-F / W-TSS / TURBIDITY / W-CI-IC / W-COLOR / W-SO4-IC / W-TDS |          |      | Ice                                        |              |                 |                       |                 |
| Physical/Aggregate (Marine) (P-1L) |           | Alkalinity / W-BR-IC / 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     |                       |                 |
|                                    |           | Contract Lab                                                                |          |      | Ice                                        |              |                 |                       |                 |
| Molecular (QPCR-P-500ML)           |           | PCR-HF183                                                                   |          |      | PCR-BacR                                   |              | PCR-DG3         |                       |                 |
|                                    |           | PCR-GULL2                                                                   |          |      | PCR-GFD                                    |              |                 |                       |                 |
| Tracers (BG-500ML)                 |           | W-E8321-DI                                                                  |          |      | W-E8321-MS                                 |              |                 |                       |                 |
| Pesticides (BG-500ML) (BG-1L)      |           | W-E8321-DI                                                                  |          |      | W-E8321-MS                                 |              | W-PSNP-TQ       | x                     |                 |
|                                    |           | W-PCL-TQ-R                                                                  |          |      | W-CARB-AA (5 ml of MCAA** Buffer Solution) |              | x               | W-CT-CL-R             |                 |
| Phytoplankton                      |           | DTY-QN-C                                                                    |          |      | PKD-QN-BV                                  |              |                 |                       |                 |



RQ-2021-10-11-56

Collected By: Paul Blair, Trey Fitzgerald

Customer: FDEP

Field Report Prepared by: Paul Blair, Trey Fitzgerald

Project ID: SMP

Sampling Agency: FDEP

 WIN ID/Field ID:   
 WIN ID/Field ID: G1TLHR0146

Comments:

Location:

Location: Alapaha River CR751

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) |
|---------------------|-----------|-----------|---------|------|------------------|--------------|-----------------|---------------------|----------------|
| 10/7/2021<br>1200   | 6.43      | 75.9      | 23.6    | 6.56 | 0.2              | 0.4          | 0.4             | 104.1               | 0.05           |

| Parameter Suite                    | Parameter Methods                                                         |                |                                            |          | Preservation |        | pH Check | # Bottles sent to Lab | Bottle Group |       |
|------------------------------------|---------------------------------------------------------------------------|----------------|--------------------------------------------|----------|--------------|--------|----------|-----------------------|--------------|-------|
| Preserved Nutrients (P-500ML)      | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                               |                |                                            |          | Ice          | H2SO4* | <2       |                       |              |       |
|                                    | Lot #                                                                     |                | Exp:                                       |          |              |        |          |                       |              |       |
| Metals (P-500ML)                   | x                                                                         | W-ICPMS        | x                                          | W-ICP    | x            | W-HARD | x        | Ice                   | x            | HNO3* |
|                                    | Lot #                                                                     |                | 1105100                                    |          | Exp:         |        | 6-7-22   |                       | X            | <2    |
| Filtered Nutrients (P125ML)        | W-PO4-F                                                                   |                | Field Filtered 0.45 µm Filter              |          |              | Ice    |          |                       |              |       |
|                                    | Filter Lot #                                                              |                |                                            |          |              |        |          |                       |              |       |
|                                    | Syringe Lot #                                                             |                |                                            |          |              |        |          |                       |              |       |
| Chlorophyll (BP-1L)                | CHLSUITE-W                                                                |                |                                            |          | Ice          |        |          |                       |              |       |
| Physical/Aggregate (Fresh) (P-1L)  | Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-SO4-IC / W-TDS |                |                                            |          | Ice          |        |          |                       |              |       |
| Physical/Aggregate (Marine) (P-1L) | Alkalinity / W-BR-IC / 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      |                       |              |       |
|                                    | W-PCL-TQ-R                                                                |                | W-CAR8-AA (5 ml of MCAA** Buffer Solution) |          | W-CT-CL-R    |        |          |                       |              |       |
| Phytoplankton                      | DTY-QN-C                                                                  |                | PKD-QN-BV                                  |          |              | Ice    |          |                       |              |       |

Date of Request: 27-SEP-2021  
 Created By: GREEN\_C On: 27-SEP-2021  
 Modified By: JASROTIA\_P On: 28-SEP-2021  
 Customer: TLH-ROC  
 Project: SMP  
 Division:  
 District: Not Applicable  
 Event Description: Alapaha River, Lake Kinsale, Ichetucknee Spring

**Send Coolers To:**

Phone: 850-245-8453  
 2600 Blair Stone Rd  
  
 Tallahassee, FL 32399  
 Attn: Curtis Musson  
 Cooler Ship EMail: Terry.Green@FloridaDEP.gov

Priority: 3  
 Event Status: S  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 27-SEP-2021  
 Biology Request Reviewed By: JASROTIA\_P On: 28-SEP-2021  
 Sampling Kit Required: YES Ship on: 01-OCT-2021  
 Sampling Kit Shipped: YES On: 01-OCT-2021  
 Sampling Kit Packed By: SHAIK\_A  
 Preservatives Needed: NO  
 Date to Receive Samples: 11-OCT-2021  
 Logged In By:

**Send Final Report To:**

2600 Blair Stone Rd  
  
 Tallahassee, FL 32399  
 Attn: Curtis Musson  
 Report Notification EMail: Terry.Green@FloridaDEP.gov

Comments: Bottle group A Alapaha  
 Bottle group B Lake Kinsale  
 Bottle group C Ichetucknee

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

|                      |                      |                                                                                                                                                |
|----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 1 | Preserved With: HNO3                                                                                                                           |
| W-HARD               | Template: DEFAULT    | (SM 2340B) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3                                                                |
| Hardness             |                      |                                                                                                                                                |
| W-ICP                | Template:            | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| Barium               |                      |                                                                                                                                                |
| Calcium              |                      |                                                                                                                                                |
| Iron                 |                      |                                                                                                                                                |
| Magnesium            |                      |                                                                                                                                                |
| Manganese            |                      |                                                                                                                                                |
| Potassium            |                      |                                                                                                                                                |
| Sodium               |                      |                                                                                                                                                |
| Zinc                 |                      |                                                                                                                                                |
| W-ICPMS              | Template:            | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects                    |
| *Boron               |                      |                                                                                                                                                |
| Aluminum             |                      |                                                                                                                                                |
| Antimony             |                      |                                                                                                                                                |
| Arsenic              |                      |                                                                                                                                                |
| Beryllium            |                      |                                                                                                                                                |
| Cadmium              |                      |                                                                                                                                                |
| Chromium             |                      |                                                                                                                                                |
| Copper               |                      |                                                                                                                                                |
| Lead                 |                      |                                                                                                                                                |
| Nickel               |                      |                                                                                                                                                |
| Selenium             |                      |                                                                                                                                                |
| Silver               |                      |                                                                                                                                                |
| Thallium             |                      |                                                                                                                                                |

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

Bottle Type: P-250ML-WO-THI      Number of Bottles: 1      Preserved With: ICE  
ECOLI-18QT      Template: DEFAULT      (SM 9223 B Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

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

Bottle Type: BG-500ML FILL TO      Number of Bottles: 4      Preserved With: ICE  
W-CT-CI-R      Template: DEFAULT      (EPA 8276) Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization

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