

# Login Checklist

RQ- **2021 - 01 - 25 - 42**

Login Station ID: **# 3**

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: **01-27-2021 / 14:50**

| *Cooler Temperature | Samples Frozen? | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |    |          |    | Waybill Tracking # |
|---------------------|-----------------|----------------------------------------|----------|---------------------------------------|---------------|----|----------|----|--------------------|
|                     |                 |                                        |          |                                       | Present?      |    | *Intact? |    |                    |
|                     | YES             | HNO <sub>3</sub>                       | Formalin |                                       | Yes           | No | Yes      | No |                    |
| 1.1C                |                 |                                        |          | 13                                    |               | X  |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |

## COOLER CHECK

**\*All samples received on ice unless otherwise noted. HNO<sub>3</sub> and Formalin preserved samples do NOT have a temperature requirement.**

- If the temperature of a cooler exceeds 6.0 oC (above 10.0 oC for W-1-4-DIOX and microbiology) or received without ice, identify affected samples in an NCR. NCR# \_\_\_\_\_
- DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C for W-1-4-DIOX) without login confirmation from customer for samples requiring ice preservation; identify affected samples in an NCR. NCR# \_\_\_\_\_
- If cooler or samples are received with a damaged Evidence Seal; identify the affected samples in an NCR. NCR# \_\_\_\_\_
- If coolers or samples are received late; identify the affected samples in an NCR. NCR# \_\_\_\_\_

Chain of Custody/ Field Sheet(s) Included?

Yes **X** No \_\_\_\_\_

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

Yes \_\_\_\_\_ No **X**

## CONTAINER CHECK

Evidence Tape on Bottles?

Yes \_\_\_\_\_ No \_\_\_\_\_ NA **X**

Evidence Tape intact? Yes \_\_\_\_\_ No \_\_\_\_\_

If Criminal, photographs taken?

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

Containers intact? Yes **X** No \_\_\_\_\_

Caps on tight?

Yes **X** No \_\_\_\_\_

Sufficient Sample Volume:

Yes **X** No \_\_\_\_\_

If **NO** is checked above, generate an NCR listing affected sample IDs in its appropriate category. NCR# \_\_\_\_\_

**CHLORINE CHECK REQUIRED?** (Blue dot on container)

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

Chlorine detected? (One container checked per Field ID)

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

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

Yes \_\_\_\_\_ No **XX** NA **X** Init: **ABS /**

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

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

Date: **01-27-2021**

Event contains NCRs (Y/N)? **N**

Event ID:

**TLH-ROC-2021-01-27-02**

## Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

|                          |                         |
|--------------------------|-------------------------|
| Infrared Thermometer ID: | IRTG # 3 EXP:10/28/2021 |
| pH Test Strips 0 – 6     | 213316 BV EXP:05/15/21  |
| pH Paper 0 – 3           | XX XX XX XXX            |
| pH Paper 0 – 13          | 231019 EXP:11/01/2021   |
| Chlorine Test Strips     | 0129 / 2023 / 03        |

### 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:** 1/27/2021  
**Customer:** TLH-DIST  
**RQ:** RQ-2021-01-25-42  
**Collected By:** Ben Harden, Paul Blair  
**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

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

| Site Location           | Field ID/WIN ID                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------|
| Williford Spring        | <br>G3TLHR0009   |
| Rattlesnake Lake Center | <br>G3TLHR0013   |
| Crystal Lake Center     | <br>G3TLHR0012 |

RELINQUISHED BY(SIGNATURE):

DATE/TIME:

**THIS SECTION TO BE COMPLETED BY LABORATORY**

Rec'd/Inspected By: A.SHAIK

Rec'd/Inspected Date: 01-27-2021

 1-2



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End  
of Day CCV  
Yes / No

**WIN Station Name:** Williford Spring **Date:** 1/27/2021  
**WIN/Field ID:** G3TLHR0009 **WBID:** 553Y **ENR:** **Latitude:** 30.4396  
**County:** WASHINGTON **Org ID:** 21FTLHR **Longitude:** -85.5476  
**Receiving Body of Water:** Choctawhatchee - St. Andrew **RQ:** 2021-01-25-42

| Sampling Team Members               |            | WQ Measurements                     | Sample Collection                   | Documentation                       | Preservation | Preservation Check                  |
|-------------------------------------|------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------|-------------------------------------|
| <input checked="" type="checkbox"/> | Ben Harden |                                     | <input checked="" type="checkbox"/> |                                     |              | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | Paul Blair | <input checked="" type="checkbox"/> |                                     | <input checked="" type="checkbox"/> |              |                                     |
| <input type="checkbox"/>            |            |                                     |                                     |                                     |              |                                     |
| <input type="checkbox"/>            |            |                                     |                                     |                                     |              |                                     |

| Sampling Equipment                                   |                                         |
|------------------------------------------------------|-----------------------------------------|
| <input checked="" type="checkbox"/> Sample Container | <input type="checkbox"/> Carboy         |
| <input type="checkbox"/> Dipper                      | <input type="checkbox"/> Van Dorn       |
| <input checked="" type="checkbox"/> Syringe          | <input type="checkbox"/> Pole           |
| Depth measured with: Secchi                          |                                         |
| Secchi Equipment ID: #1                              |                                         |
| Collection Method                                    |                                         |
| <input checked="" type="checkbox"/> Wading           | <input type="checkbox"/> Canoe/Kayak    |
| <input type="checkbox"/> From Shore                  | <input type="checkbox"/> Electric Motor |
| <input type="checkbox"/> Other                       | <input type="checkbox"/> Gasoline Motor |

|                                                                                                                                                                                                                                                                        |                 |                         |                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------------------|----------------------------------|
| <b>Water Level:</b> <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Low <input type="checkbox"/> High <input type="checkbox"/> Dry <input type="checkbox"/> Pooled <input type="checkbox"/> Flooded                                                |                 | <b>Meter ID#</b> 154177 |                                  |
| <b>Photos:</b> No                                                                                                                                                                                                                                                      | <b>Flow:</b> NA | <b>Tide:</b>            | <b>Tide Times:</b><br>High: Low: |
| <b>Biological Samples Collected:</b> <input checked="" type="checkbox"/> None <input type="checkbox"/> HA <input type="checkbox"/> SCI <input type="checkbox"/> RPS <input type="checkbox"/> Algae ID <input type="checkbox"/> LVS <input type="checkbox"/> LVI Other: |                 |                         |                                  |
| <b>S BIO ID Numbers:</b>                                                                                                                                                                                                                                               |                 |                         |                                  |
| <b>Notes:</b>                                                                                                                                                                                                                                                          |                 |                         |                                  |

## Duplicate Sample

|                             |              |                      |              |
|-----------------------------|--------------|----------------------|--------------|
| <b>Time Zone:</b> EST       | <b>Time:</b> | <b>Field ID:</b> N/A | (WIN ID_DUP) |
| <b>WIN DMT Activity ID:</b> |              |                      |              |

## Blank

|                                |                      |                           |                      |
|--------------------------------|----------------------|---------------------------|----------------------|
| <b>Time Zone:</b>              | <b>Time:</b>         | <b>Field ID:</b>          | (Blank Type_DDMYYYY) |
| <b>DI Source:</b>              | <b>Location:</b>     |                           |                      |
| <b>DI Type:</b>                | <b>Equipment ID:</b> |                           |                      |
| <b>DI Container (Name/ID):</b> |                      | <b>DI Container Type:</b> |                      |

**LIMS EVENT ID:** **WIN Import ID:**  
**Enter Field Parameters, Verify Station ID In LIMS DMT:** **QC Station ID, Field Parameters In LIMS DMT:**  
(Initials/Date) (Initials/Date)  
**Scan/Save Field Sheets:** **Migrate Data to WIN:** **Verify Data In WIN:**  
(Initials/Date) (Initials/Date) (Initials/Date)



RQ-2021-01-25-42

Customer: WQAP

Project ID: SMP

Collected By: Ben Harden, Paul Blair

Field Report Prepared By: Ben Harden

Sampling Agency: FDEP

| Place Label Here                                                                                                 |          |                                                                                                                                                                                                       |           |            |      | Comments:                                                                               |                                                   |                                        |                       |                |
|------------------------------------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|------|-----------------------------------------------------------------------------------------|---------------------------------------------------|----------------------------------------|-----------------------|----------------|
| WIN ID/Field ID: <br>G3TLHR0009 |          |                                                                                                                                                                                                       |           |            |      |                                                                                         |                                                   |                                        |                       |                |
| Location: Williford Spring                                                                                       |          |                                                                                                                                                                                                       |           |            |      |                                                                                         |                                                   |                                        |                       |                |
| Matrix: Fresh                                                                                                    |          |                                                                                                                                                                                                       |           |            |      | (Check one) <input checked="" type="checkbox"/> GRAB <input type="checkbox"/> COMPOSITE |                                                   |                                        |                       |                |
| Date                                                                                                             | Time     | DO (mg/L)                                                                                                                                                                                             | DO (%SAT) | Temp. (C°) | pH   | Sample Depth (m)                                                                        | Secchi Disk (m)                                   | Total Depth (m)                        | Sp COND (µmhos/cm)    | Salinity (PPT) |
| 1/27/2021                                                                                                        | 1030 EST | 0.55                                                                                                                                                                                                  | 6.2       | 21.4       | 7.89 | 0.3                                                                                     | 1<br><input checked="" type="checkbox"/> VOB (S)  | 1                                      | 139.5                 | 0.07           |
|                                                                                                                  |          |                                                                                                                                                                                                       |           |            |      |                                                                                         | Central Lab please use top row for login purposes |                                        |                       |                |
|                                                                                                                  | EST      |                                                                                                                                                                                                       |           |            |      |                                                                                         |                                                   |                                        |                       |                |
| Parameter Suite                                                                                                  |          | Parameter Methods                                                                                                                                                                                     |           |            |      | Preservation                                                                            |                                                   | pH Check                               | # Bottles sent to Lab | Bottle Group   |
| Preserved Nutrients (P-500ML)                                                                                    |          | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                                                                                                       |           |            |      | <input checked="" type="checkbox"/> Ice <input type="checkbox"/> H2SO4*                 |                                                   | <input checked="" type="checkbox"/> <2 | 1                     | A              |
|                                                                                                                  |          | Lot # 0293040                                                                                                                                                                                         |           | Exp:       |      | 10-19-21                                                                                |                                                   |                                        |                       |                |
| Metals (P-500ML)                                                                                                 |          | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP <input type="checkbox"/> W-HARD                                                                                                       |           |            |      | <input type="checkbox"/> Ice <input type="checkbox"/> HNO3*                             |                                                   | <input type="checkbox"/> <2            |                       |                |
|                                                                                                                  |          | Lot #                                                                                                                                                                                                 |           | Exp:       |      |                                                                                         |                                                   |                                        |                       |                |
| Filtered Nutrients (P125ML)                                                                                      |          | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                         |           |            |      | <input checked="" type="checkbox"/> Ice                                                 |                                                   |                                        | 1                     | A              |
|                                                                                                                  |          | Filter Lot # N/A                                                                                                                                                                                      |           |            |      |                                                                                         |                                                   |                                        |                       |                |
|                                                                                                                  |          | Syringe Lot # 0079900                                                                                                                                                                                 |           |            |      |                                                                                         |                                                   |                                        |                       |                |
| Chlorophyll (BP-1L)                                                                                              |          | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                        |           |            |      | <input checked="" type="checkbox"/> Ice                                                 |                                                   |                                        | 1                     | A              |
| Physical/Aggregate (Fresh) (P-1L)                                                                                |          | <input checked="" type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-IC / W-COLOR / W-SO4-IC / W-TDS                                                                                       |           |            |      | <input checked="" type="checkbox"/> Ice                                                 |                                                   |                                        | 1                     | A              |
| Physical/Aggregate (Marine) (P-1L)                                                                               |          | <input type="checkbox"/> Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                                                                                                                               |           |            |      | <input type="checkbox"/> Ice                                                            |                                                   |                                        |                       |                |
| Macroinvertebrates (PJ-2L)                                                                                       |          | <input type="checkbox"/> MI-FW-QLDC                                                                                                                                                                   |           |            |      | <input type="checkbox"/> Formalin                                                       |                                                   |                                        |                       |                |
| Periphyton (PT-50ML)                                                                                             |          | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                     |           |            |      | <input type="checkbox"/> Ice                                                            |                                                   |                                        |                       |                |
| Microbiology (Contract Lab Bottle)                                                                               |          | <input type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococci<br><input type="checkbox"/> Contract Lab                                                         |           |            |      | <input type="checkbox"/> Ice                                                            |                                                   |                                        |                       |                |
| Molecular (QPCR-P-500ML)                                                                                         |          | <input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-DG3<br><input type="checkbox"/> PCR-GULL2 <input type="checkbox"/> PCR-GFD <input type="checkbox"/> |           |            |      | <input type="checkbox"/> Ice                                                            |                                                   |                                        |                       |                |
| Tracers (BG-500ML)                                                                                               |          | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> W-E8321-MS                                                                                                                               |           |            |      | <input type="checkbox"/> Ice                                                            |                                                   |                                        |                       |                |
| Pesticides (BG-500ML) (BG-1L)                                                                                    |          | W-E8321-DI WE8321-MS W-PSNP-TQ W-CT-CL-R<br>W-PCL-SQ-R W-CARB-AA (5 ml of MCAA** Buffer Solution) W-DIELDRIN                                                                                          |           |            |      | <input type="checkbox"/> Ice                                                            |                                                   |                                        |                       |                |
| Phytoplankton/Periphyton                                                                                         |          | DTM-QL-C PEN-QL-C DTY-QN-C PKD-QN-C<br>DTM-QN-C PRN-QN-C PKD-QN-BV                                                                                                                                    |           |            |      | <input type="checkbox"/> Ice                                                            |                                                   |                                        |                       |                |
| Name: Ben Harden<br>Paul Blair                                                                                   |          |                                                                                                                                                                                                       |           |            |      | Signature:                                                                              |                                                   |                                        | Date:                 |                |

\*2.0 ml of Preservative used unless noted otherwise.

\*\*MCAA: Monochloroacetic acid buffer solution



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End  
of Day CCV  
Yes / No

**WIN Station Name:** Crystal Lake Center **Date:** 1/27/2021  
**WIN/Field ID:** G3TLHR0012 **WBID:** 795A **ENR:** **Latitude:** 30.4531  
**County:** WASHINGTON **Org ID:** 21FTLHR **Longitude:** -85.7027  
**Receiving Body of Water:** Choctawhatchee - St. Andrew **RQ:** 2021-01-25-42

| Sampling Team Members               |            | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-------------------------------------|------------|-----------------|-------------------|---------------|--------------|--------------------|
| <input checked="" type="checkbox"/> | Ben Harden |                 | x                 |               | x            | x                  |
| <input checked="" type="checkbox"/> | Paul Blair | x               |                   | x             |              |                    |
| <input type="checkbox"/>            |            |                 |                   |               |              |                    |
| <input type="checkbox"/>            |            |                 |                   |               |              |                    |

| Sampling Equipment                                   |                                                    |
|------------------------------------------------------|----------------------------------------------------|
| <input checked="" type="checkbox"/> Sample Container | <input type="checkbox"/> Carboy                    |
| <input type="checkbox"/> Dipper                      | <input type="checkbox"/> Van Dorn                  |
| <input checked="" type="checkbox"/> Syringe          | <input type="checkbox"/> Pole                      |
| Depth measured with: Sonar                           |                                                    |
| Secchi Equipment ID:                                 |                                                    |
| Collection Method                                    |                                                    |
| <input type="checkbox"/> Wading                      | <input type="checkbox"/> Canoe/Kayak               |
| <input type="checkbox"/> From Shore                  | <input type="checkbox"/> Electric Motor            |
| <input type="checkbox"/> Other                       | <input checked="" type="checkbox"/> Gasoline Motor |

|                                                                                                                                                                                                                                                                        |                 |              |  |                                  |  |                         |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------|--|----------------------------------|--|-------------------------|--|--|--|--|--|
| <b>Water Level:</b> <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Low <input type="checkbox"/> High <input type="checkbox"/> Dry <input type="checkbox"/> Pooled <input type="checkbox"/> Flooded                                                |                 |              |  |                                  |  | <b>Meter ID#</b> 154177 |  |  |  |  |  |
| <b>Photos:</b> No                                                                                                                                                                                                                                                      | <b>Flow:</b> NA | <b>Tide:</b> |  | <b>Tide Times:</b><br>High: Low: |  |                         |  |  |  |  |  |
| <b>Biological Samples Collected:</b> <input checked="" type="checkbox"/> None <input type="checkbox"/> HA <input type="checkbox"/> SCI <input type="checkbox"/> RPS <input type="checkbox"/> Algae ID <input type="checkbox"/> LVS <input type="checkbox"/> LVI Other: |                 |              |  |                                  |  |                         |  |  |  |  |  |
| <b>S BIO ID Numbers:</b>                                                                                                                                                                                                                                               |                 |              |  |                                  |  |                         |  |  |  |  |  |
| <b>Notes:</b>                                                                                                                                                                                                                                                          |                 |              |  |                                  |  |                         |  |  |  |  |  |

## Duplicate Sample

|                             |              |                      |              |
|-----------------------------|--------------|----------------------|--------------|
| <b>Time Zone:</b> EST       | <b>Time:</b> | <b>Field ID:</b> N/A | (WIN ID_DUP) |
| <b>WIN DMT Activity ID:</b> |              |                      |              |

## Blank

|                                |                      |                           |                      |
|--------------------------------|----------------------|---------------------------|----------------------|
| <b>Time Zone:</b>              | <b>Time:</b>         | <b>Field ID:</b>          | (Blank Type_DDMYYYY) |
| <b>DI Source:</b>              | <b>Location:</b>     |                           |                      |
| <b>DI Type:</b>                | <b>Equipment ID:</b> |                           |                      |
| <b>DI Container (Name/ID):</b> |                      | <b>DI Container Type:</b> |                      |

**LIMS EVENT ID:** **WIN Import ID:**  
**Enter Field Parameters, Verify Station ID In LIMS DMT:** **QC Station ID, Field Parameters In LIMS DMT:**  
(Initials/Date) (Initials/Date)  
**Scan/Save Field Sheets:** **Migrate Data to WIN:** **Verify Data In WIN:**  
(Initials/Date) (Initials/Date) (Initials/Date)



RQ-2021-01-25-42

Customer: WQAP

Project ID: SMP

Collected By: Ben Harden, Paul Blair

Field Report Prepared By: Ben Harden

Sampling Agency: FDEP

| Place Label Here                                                                                                 |             |                                                                                                                                               |           |                                            |      | Comments:                                                                               |                                                    |                                        |                       |                              |
|------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------------------------------|------|-----------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------|-----------------------|------------------------------|
| WIN ID/Field ID: <br>G3TLHR0012 |             |                                                                                                                                               |           |                                            |      |                                                                                         |                                                    |                                        |                       |                              |
| Location: Crystal Lake Center                                                                                    |             |                                                                                                                                               |           |                                            |      |                                                                                         |                                                    |                                        |                       |                              |
| Matrix: Fresh                                                                                                    |             |                                                                                                                                               |           |                                            |      | (Check one) <input checked="" type="checkbox"/> GRAB <input type="checkbox"/> COMPOSITE |                                                    |                                        |                       |                              |
| Date                                                                                                             | Time        | DO (mg/L)                                                                                                                                     | DO (%SAT) | Temp. (C°)                                 | pH   | Sample Depth (m)                                                                        | Secchi Disk (m)                                    | Total Depth (m)                        | Sp COND (µmhos/cm)    | Salinity (PPT <sub>h</sub> ) |
| 1/27/2021                                                                                                        | 1155<br>EST | 9.73                                                                                                                                          | 101.2     | 17.3                                       | 6.63 | 0.3                                                                                     | 8.3<br><input checked="" type="checkbox"/> VOB (S) | 8.3                                    | 28.2                  | 0.01                         |
|                                                                                                                  | 1158        | 9.74                                                                                                                                          | 96.3      | 14.9                                       | 6.5  | 2.0                                                                                     | Central Lab please use top row for login purposes  |                                        | 29.3                  | 0.01                         |
|                                                                                                                  | 1200<br>EST | 9.57                                                                                                                                          | 93.1      | 14                                         | 6.12 | 7.8                                                                                     |                                                    |                                        | 29.3                  | 0.01                         |
| Parameter Suite                                                                                                  |             | Parameter Methods                                                                                                                             |           |                                            |      | Preservation                                                                            |                                                    | pH Check                               | # Bottles sent to Lab | Bottle Group                 |
| Preserved Nutrients (P-500ML)                                                                                    |             | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                                               |           |                                            |      | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4*      |                                                    | <input checked="" type="checkbox"/> <2 | 1                     | B                            |
|                                                                                                                  |             | Lot # 0293040                                                                                                                                 |           | Exp:                                       |      | 10-19-21                                                                                |                                                    |                                        |                       |                              |
| Metals (P-500ML)                                                                                                 |             | <input checked="" type="checkbox"/> W-ICPMS <input checked="" type="checkbox"/> W-ICP <input checked="" type="checkbox"/> W-HARD              |           |                                            |      | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> HNO3*       |                                                    | <input checked="" type="checkbox"/> <2 | 1                     | B                            |
|                                                                                                                  |             | Lot # 0038050                                                                                                                                 |           | Exp:                                       |      | 2-7-21                                                                                  |                                                    |                                        |                       |                              |
| Filtered Nutrients (P125ML)                                                                                      |             | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter                                 |           |                                            |      | <input checked="" type="checkbox"/> Ice                                                 |                                                    |                                        | 1                     | B                            |
|                                                                                                                  |             | Filter Lot # N/A                                                                                                                              |           |                                            |      |                                                                                         |                                                    |                                        |                       |                              |
|                                                                                                                  |             | Syringe Lot # 007990                                                                                                                          |           |                                            |      |                                                                                         |                                                    |                                        |                       |                              |
| Chlorophyll (BP-1L)                                                                                              |             | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                |           |                                            |      | <input checked="" type="checkbox"/> Ice                                                 |                                                    |                                        | 1                     | B                            |
| Physical/Aggregate (Fresh) (P-1L)                                                                                |             | <input checked="" type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS                               |           |                                            |      | <input checked="" type="checkbox"/> Ice                                                 |                                                    |                                        | 1                     | B                            |
| Physical/Aggregate (Marine) (P-1L)                                                                               |             | <input type="checkbox"/> Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                                                                       |           |                                            |      | <input type="checkbox"/> Ice                                                            |                                                    |                                        |                       |                              |
| Macroinvertebrates (PJ-2L)                                                                                       |             | <input type="checkbox"/> MI-FW-QLDC                                                                                                           |           |                                            |      | <input type="checkbox"/> Formalin                                                       |                                                    |                                        |                       |                              |
| Periphyton (PT-50ML)                                                                                             |             | <input type="checkbox"/> ALGAE-ID                                                                                                             |           |                                            |      | <input type="checkbox"/> Ice                                                            |                                                    |                                        |                       |                              |
| Microbiology (Contract Lab Bottle)                                                                               |             | <input type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococci<br><input type="checkbox"/> Contract Lab |           |                                            |      | <input type="checkbox"/> Ice                                                            |                                                    |                                        |                       |                              |
| Molecular (QPCR-P-500ML)                                                                                         |             | <input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-DG3                                         |           |                                            |      | <input type="checkbox"/> Ice                                                            |                                                    |                                        |                       |                              |
|                                                                                                                  |             | <input type="checkbox"/> PCR-GULL2 <input type="checkbox"/> PCR-GFD <input type="checkbox"/>                                                  |           |                                            |      |                                                                                         |                                                    |                                        |                       |                              |
| Tracers (BG-500ML)                                                                                               |             | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> W-E8321-MS                                                                       |           |                                            |      | <input type="checkbox"/> Ice                                                            |                                                    |                                        |                       |                              |
| Pesticides (BG-500ML) (BG-1L)                                                                                    |             | W-E8321-DI                                                                                                                                    |           | W-E8321-MS                                 |      | W-PSNP-TQ                                                                               |                                                    | W-CT-CL-R                              |                       |                              |
|                                                                                                                  |             | W-PCL-SQ-R                                                                                                                                    |           | W-CARB-AA (5 ml of MCAA** Buffer Solution) |      | W-DIELDRIN                                                                              |                                                    |                                        |                       |                              |
| Phytoplankton/Periphyton                                                                                         |             | DTM-QL-C                                                                                                                                      |           | PEN-QL-C                                   |      | DTY-QN-C                                                                                |                                                    | PKD-QN-C                               |                       |                              |
|                                                                                                                  |             | DTM-QN-C                                                                                                                                      |           | PRN-QN-C                                   |      | PKD-QN-BV                                                                               |                                                    |                                        |                       |                              |
| Name: Ben Harden<br>Paul Blair                                                                                   |             |                                                                                                                                               |           |                                            |      | Signature:                                                                              |                                                    |                                        | Date:                 |                              |

\*2.0 ml of Preservative used unless noted otherwise.

\*\*MCAA: Monochloroacetic acid buffer solution



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End  
of Day CCV  
Yes / No

WIN Station Name: Rattlesnake Lake Center

Date: 1/27/2021

WIN/Field ID: G3TLHR0013

WBID: 780A

ENR:

Latitude: 30.4598

County: WASHINGTON

Org ID: 21FTLHR

Longitude: -85.5664

Receiving Body of Water: Choctawhatchee - St. Andrew

RQ- 2021-01-25-42

| Sampling Team Members               |            | WQ Measurements                     | Sample Collection                   | Documentation                       | Preservation                        | Preservation Check                  |
|-------------------------------------|------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| <input checked="" type="checkbox"/> | Ben Harden |                                     | <input checked="" type="checkbox"/> |                                     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | Paul Blair | <input checked="" type="checkbox"/> |                                     | <input checked="" type="checkbox"/> |                                     |                                     |
| <input type="checkbox"/>            |            |                                     |                                     |                                     |                                     |                                     |
| <input type="checkbox"/>            |            |                                     |                                     |                                     |                                     |                                     |

| Sampling Equipment                                   |                                                    |
|------------------------------------------------------|----------------------------------------------------|
| <input checked="" type="checkbox"/> Sample Container | <input type="checkbox"/> Carboy                    |
| <input type="checkbox"/> Dipper                      | <input type="checkbox"/> Van Dorn                  |
| <input checked="" type="checkbox"/> Syringe          | <input type="checkbox"/> Pole                      |
| Depth measured with: Sonar                           |                                                    |
| Secchi Equipment ID:                                 |                                                    |
| Collection Method                                    |                                                    |
| <input type="checkbox"/> Wading                      | <input type="checkbox"/> Canoe/Kayak               |
| <input type="checkbox"/> From Shore                  | <input type="checkbox"/> Electric Motor            |
| <input type="checkbox"/> Other                       | <input checked="" type="checkbox"/> Gasoline Motor |

Water Level: ☒ Normal ☐ Low ☐ High ☐ Dry ☐ Pooled ☐ Flooded

Meter ID# 154177

Photos: NO

Flow: NA

Tide:

Tide Times:

High: Low

Biological Samples Collected: ☒ None ☐ HA ☐ SCI ☐ RPS ☐ Algae ID ☐ LVS ☐ LVI Other:

SBIO ID Numbers:

Notes:

Duplicate Sample

Time Zone: EST Time: Field ID: N/A (WIN ID\_DUP)

WIN DMT Activity ID:

Blank

Time Zone: Time: Field ID: (Blank Type\_DDMYYYY)

DI Source: Location:

DI Type: Equipment ID:

DI Container (Name/ID): DI Container Type:

LIMS EVENT ID: WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT: (Initials/Date) QC Station ID, Field Parameters In LIMS DMT: (Initials/Date)

Scan/Save Field Sheets (Initials/Date) Migrate Data to WIN: (Initials/Date) Verify Data In WIN: (Initials/Date)



RQ-2021-01-25-42

Customer: WQAP

Project ID: SMP

Collected By: Ben Harden, Paul Blair

Field Report Prepared By: Ben Harden

Sampling Agency: FDEP

| Place Label Here                   |          |                                                                                                                 |           |                                            |      | Comments:                                                                               |                                                    |                                        |                       |                              |
|------------------------------------|----------|-----------------------------------------------------------------------------------------------------------------|-----------|--------------------------------------------|------|-----------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------|-----------------------|------------------------------|
| WIN ID/Field ID: <b>G3TLHR0013</b> |          |                                                                                                                 |           |                                            |      |                                                                                         |                                                    |                                        |                       |                              |
| Location: Rattlesnake Lake Center  |          |                                                                                                                 |           |                                            |      |                                                                                         |                                                    |                                        |                       |                              |
| Matrix: Fresh                      |          |                                                                                                                 |           |                                            |      | (Check one) <input checked="" type="checkbox"/> GRAB <input type="checkbox"/> COMPOSITE |                                                    |                                        |                       |                              |
| Date                               | Time     | DO (mg/L)                                                                                                       | DO (%SAT) | Temp. (C°)                                 | pH   | Sample Depth (m)                                                                        | Secchi Disk (m)                                    | Total Depth (m)                        | Sp COND (µmhos/cm)    | Salinity (PPTth)             |
| 1/27/2021                          | 1100 EST | 9.44                                                                                                            | 98.7      | 17.5                                       | 5.6  | 0.3                                                                                     | 1.9<br><input checked="" type="checkbox"/> VOB (S) | 1.9                                    | 13.6                  | 0                            |
|                                    | 1105 EST | 9.43                                                                                                            | 98.6      | 17.5                                       | 5.59 | 1.4                                                                                     | Central Lab please use top row for login purposes  |                                        | 13.8                  | 0.01                         |
| Parameter Suite                    |          | Parameter Methods                                                                                               |           |                                            |      | Preservation                                                                            |                                                    | pH Check                               | # Bottles sent to Lab | Bottle Group                 |
| Preserved Nutrients (P-500ML)      |          | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                 |           |                                            |      | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4*      |                                                    | <input checked="" type="checkbox"/> <2 | 1                     | A                            |
|                                    |          | Lot # 0293040                                                                                                   |           | Exp: 10-19-21                              |      |                                                                                         |                                                    |                                        |                       |                              |
| Metals (P-500ML)                   |          | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP <input type="checkbox"/> W-HARD                 |           |                                            |      | <input type="checkbox"/> Ice <input type="checkbox"/> HNO3*                             |                                                    | <input type="checkbox"/> <2            |                       |                              |
|                                    |          | Lot #                                                                                                           |           | Exp:                                       |      |                                                                                         |                                                    |                                        |                       |                              |
| Filtered Nutrients (P125ML)        |          | <input checked="" type="checkbox"/> W-PO4-F <input type="checkbox"/> Field Filtered 0.45 µm Filter              |           |                                            |      | <input checked="" type="checkbox"/> Ice                                                 |                                                    |                                        | 1                     | A                            |
|                                    |          | Filter Lot #                                                                                                    |           |                                            |      |                                                                                         |                                                    |                                        |                       |                              |
|                                    |          | Syringe Lot #                                                                                                   |           |                                            |      |                                                                                         |                                                    |                                        |                       |                              |
| Chlorophyll (BP-1L)                |          | <input checked="" type="checkbox"/> CHLSUITE-W                                                                  |           |                                            |      | <input checked="" type="checkbox"/> Ice                                                 |                                                    |                                        | 1                     | A                            |
| Physical/Aggregate (Fresh) (P-1L)  |          | <input checked="" type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-IC / W-COLOR / W-SO4-IC / W-TDS |           |                                            |      | <input checked="" type="checkbox"/> Ice                                                 |                                                    |                                        | 1                     | A                            |
| Physical/Aggregate (Marine) (P-1L) |          | <input type="checkbox"/> Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                                         |           |                                            |      | <input type="checkbox"/> Ice                                                            |                                                    |                                        |                       |                              |
| Macroinvertebrates (PJ-2L)         |          | <input type="checkbox"/> MI-FW-QLDC                                                                             |           |                                            |      | <input type="checkbox"/> Formalin                                                       |                                                    |                                        |                       |                              |
| Periphyton (PT-50ML)               |          | <input type="checkbox"/> ALGAE-ID                                                                               |           |                                            |      | <input type="checkbox"/> Ice                                                            |                                                    |                                        |                       |                              |
| Microbiology (Contract Lab Bottle) |          | <input type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococci            |           |                                            |      | <input type="checkbox"/> Ice                                                            |                                                    |                                        |                       |                              |
|                                    |          | <input type="checkbox"/> Contract Lab                                                                           |           |                                            |      |                                                                                         |                                                    |                                        |                       |                              |
| Molecular (QPCR-P-500ML)           |          | <input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-DG3           |           |                                            |      | <input type="checkbox"/> Ice                                                            |                                                    |                                        |                       |                              |
|                                    |          | <input type="checkbox"/> PCR-GULL2 <input type="checkbox"/> PCR-GFD <input type="checkbox"/>                    |           |                                            |      |                                                                                         |                                                    |                                        |                       |                              |
| Tracers (BG-500ML)                 |          | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> W-E8321-MS                                         |           |                                            |      | <input type="checkbox"/> Ice                                                            |                                                    |                                        |                       |                              |
| Pesticides (BG-500ML) (BG-1L)      |          | W-E8321-DI                                                                                                      |           | W-E8321-MS                                 |      | W-PSNP-TQ                                                                               |                                                    | W-CT-CL-R                              |                       | <input type="checkbox"/> Ice |
|                                    |          | W-PCL-SQ-R                                                                                                      |           | W-CARB-AA (5 ml of MCAA** Buffer Solution) |      | W-DIELDRIN                                                                              |                                                    |                                        |                       |                              |
| Phytoplankton/Periphyton           |          | DTM-QL-C                                                                                                        |           | PEN-QL-C                                   |      | DTY-QN-C                                                                                |                                                    | PKD-QN-C                               |                       | <input type="checkbox"/> Ice |
|                                    |          | DTM-QN-C                                                                                                        |           | PRN-QN-C                                   |      | PKD-QN-BV                                                                               |                                                    |                                        |                       |                              |
| Name: Ben Harden<br>Paul Blair     |          |                                                                                                                 |           |                                            |      | Signature:                                                                              |                                                    |                                        | Date:                 |                              |

\*2.0 ml of Preservative used unless noted otherwise.

\*\*MCAA: Monochloroacetic acid buffer solution



Date of Request: 06-JAN-2021  
 Created By: ECKLES\_M On: 06-JAN-2021  
 Modified By: JASROTIA\_P On: 12-JAN-2021  
 Customer: TLH-ROC  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Not Applicable  
 Event Description: Run 14

**Send Coolers To:**

Phone: 850-245-7586  
 2600 Blair Stone Rd  
  
 Tallahassee, FL 32399  
 Attn: Michael Eckles  
 Cooler Ship EMail: Michael.eckles@floridadep.gov

Priority: 3  
 Event Status: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 12-JAN-2021  
 Biology Request Reviewed By: JASROTIA\_P On: 12-JAN-2021  
 Sampling Kit Required: YES Ship on: 21-JAN-2021  
 Sampling Kit Shipped: YES On: 21-JAN-2021  
 Sampling Kit Packed By: SHAIK\_A  
 Preservatives Needed: NO  
 Date to Receive Samples: 25-JAN-2021  
 Logged In By: SHAIK\_A On: 27-JAN-2021

**Send Final Report To:**

2600 Blair Stone Rd  
  
 Tallahassee, FL 32399  
 Attn: Michael Eckles  
 Report Notification EMail:  
 michael.eckles@FloridaDEP.gov; terry.green@floridadep.gov

Comments: Group A: WBID 553Y (0009), 966 (0014), 780A (0013)

Group B: WBID 795A (0012)

Group C: Blank

No FedEx Labels

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

|                                   |                      |                                                                                                              |
|-----------------------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L                 | Number of Bottles: 3 | Preserved With: ICE                                                                                          |
| ALKALINITY                        | Template: DEFAULT    | (SM 2320 B-2011) Alkalinity in aqueous matrices as mg 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    | (SM 2120 B-2011) 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: 3 | Preserved With: ICE                                                                                          |
| CHLSUITE-W                        | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |
| Bottle Type: P-500ML              | Number of Bottles: 3 | Preserved With: ICE And 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 Type: P-125ML              | Number of Bottles: 3 | Preserved With: FILTER-ICE                                                                                   |
| W-PO <sub>4</sub> -F              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                     |

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

|                       |                   |                                                                                                                                                |                                  |
|-----------------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Bottle Type: 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 | (SM 2120 B-2011) 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-500ML  |                   | Number of Bottles: 1                                                                                                                           | Preserved With: HNO <sub>3</sub> |
| W-HARD                | Template: DEFAULT | (SM 2340B) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO <sub>3</sub>                                                    |                                  |
| 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              |                   |                                                                                                                                                |                                  |

|                                   |                   |                                                                                          |                                                        |
|-----------------------------------|-------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------|
| 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 Type: P-125ML              |                   | Number of Bottles: 1                                                                     | Preserved With: FILTER-ICE                             |
| W-PO <sub>4</sub> -F              | Template: DEFAULT | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L |                                                        |

**Bottle Group C (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 | (SM 2120 B-2011) 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                                                       |                     |

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

|                      |                   |                                                                                                                                                |                      |                               |
|----------------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------------|
| Bottle Type: P-1L    |                   |                                                                                                                                                | Number of Bottles: 1 | Preserved With: ICE           |
| 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: 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             |                   |                                                                                                                                                |                      |                               |
| 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                                                       |                      |                               |

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

