

RQ- 2019-04-08-19

## Log-in Checklist

Login Station ID: #4

Shipping Method: FedEx UPS | HD | Greyhound

Date/Time of Receipt: 04/19/2019 @ 9:50

| Cooler Temperature* | Samples Frozen | * All Samples in Cooler Preserved with |                  | Number of Sample Containers in Cooler | Evidence Tape |          |     |          | Tracking #<br>Damaged waybills only |
|---------------------|----------------|----------------------------------------|------------------|---------------------------------------|---------------|----------|-----|----------|-------------------------------------|
|                     |                | YES                                    | HNO <sub>3</sub> |                                       | Formalin      | Present? |     | *Intact? |                                     |
|                     |                |                                        |                  |                                       | Yes           | No       | Yes | No       |                                     |
| 2.0°C               |                |                                        |                  | 11                                    |               | X        |     |          | 4751 8778 0721                      |
|                     |                |                                        |                  |                                       |               |          |     |          |                                     |
|                     |                |                                        |                  |                                       |               |          |     |          |                                     |
|                     |                |                                        |                  |                                       |               |          |     |          |                                     |
|                     |                |                                        |                  |                                       |               |          |     |          |                                     |
|                     |                |                                        |                  |                                       |               |          |     |          |                                     |
|                     |                |                                        |                  |                                       |               |          |     |          |                                     |

\* HNO<sub>3</sub> and Formalin persevered samples do **NOT** have a temperature requirement. For all others, if the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX and microbiology), or if Evidence Seal is damaged. Identify the containers in the affected cooler(s) on back of this form. **DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C) without login confirmation from customer for samples requiring ice preservation. An NCR still is required.**

**\*\*Note:** If "No" is checked below, fill out the back of this form (Field ID, Test IDs, etc.) and generate an NCR.

**\*\*Chain of Custody/ Field Sheet(s) Included?** Yes ☒ No ☐

**Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included?** Yes ☐ No ☒

## CONTAINER CHECK

**\*\*Evidence Tape on Bottles?** Yes ☐ No ☒ **If yes, is it intact?** Yes ☐ No ☐

**\*\*Caps on tight?** Yes ☒ No ☐ **\*\*Containers intact?** Yes ☒ No ☐

**\*\*Sufficient Sample Volume:** Yes ☒ No ☐

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

Yes ☒ No ☐ Init: TR

Chlorine detected? (One container checked per Field ID)

Yes ☐ No ☒ Init: TR

If "YES", list affected Field IDs and Test IDs below.

| Field ID | List Test ID(s) where Chlorine was Detected, an NCR is required. |
|----------|------------------------------------------------------------------|
|          |                                                                  |
|          |                                                                  |
|          |                                                                  |
|          |                                                                  |

## PRESERVATION CHECK (EXCLUDING SAMPLES SENT TO OVERFLOW LABS, "OV-")

**\*\*Acid Preserved Samples: pH ≤ 2.0?** Yes ☒ No ☐ NA ☐ Init: TR

**\*\*W-1-4-DIOX (Green dot on container) preserved to pH < 4.0?** Yes ☐ No ☒ NA ☒ Init: TR

**Coolers Unpacked/Checked by:** Tyler Reynolds **Date:** 04/19/2019 **NCRs (Y/N)?** N

**Event ID** SCI Cedar, and Trout **NCR #** \_\_\_\_\_

NE-DIST-2019-04-19-02 (SMP)

Date Received: 19-APR-2019 09:56

Federal Express REF-4-5-4

## Log-in Checklist

### Samples with Incorrect pH Preservation

| Field ID | Bottle Test ID(s) | pH | Action Taken |
|----------|-------------------|----|--------------|
|          |                   |    |              |
|          |                   |    |              |
|          |                   |    |              |

### Samples in Coolers with Incorrect Preservation or Damaged Evidence Tape

| Cooler ID | Field ID | Bottle Test ID(s) |
|-----------|----------|-------------------|
|           |          |                   |
|           |          |                   |
|           |          |                   |

### Bottles Not Intact

| Field ID | Bottle Test ID(s) | Loose Cap | Damaged Cap |    | Damaged Container |    | Evidence Tape Not Intact |
|----------|-------------------|-----------|-------------|----|-------------------|----|--------------------------|
|          |                   |           | CK          | BR | CK                | BR |                          |
|          |                   |           |             |    |                   |    |                          |
|          |                   |           |             |    |                   |    |                          |
|          |                   |           |             |    |                   |    |                          |

### Samples with Insufficient Volume for Analyses

| Field ID | Bottle Test ID(s) | Action Taken |
|----------|-------------------|--------------|
|          |                   |              |
|          |                   |              |
|          |                   |              |

### Additional Comments:

|                            |                      |
|----------------------------|----------------------|
| Infrared Thermometer ID:   | REC_04_2018          |
| pH Test Strips 0 – 6 Lot # | N/A                  |
| pH Paper 0 – 13 Lot #      | N/A                  |
| pH Paper 0 – 13 Lot #      | 222516EXP:09/15/2019 |
| Chlorine Test Strips Lot # | 091417V EXP:09/2021  |

### ENCORE SAMPLES

**S-VOC-MS samples in Encores must be frozen within 48 hours of collection.**

Were Encore samples received? Yes \_\_\_\_\_ No \_\_\_\_\_ **X**

Date and time placed in freezer \_\_\_\_\_

Were all samples placed in freezer within 48 hours of collection? Yes \_\_\_\_\_ If No \_\_\_\_\_

no, were samples shipped on dry ice? Yes \_\_\_\_\_ No \_\_\_\_\_

#### 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

## Central Laboratory Submittal Form

Customer: NE-DIST

Project ID: SMP

Requester: Jeremy M. Parrish

Collected By: P.O'Connor, J. Parrish

Field Report Prepared By: P.O'Connor

Sampling Agency: DEAR NED ROC

|                                                                         |                                                                          |                                                                           |                                                              |                     |                                                                            |                                      |
|-------------------------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------|---------------------|----------------------------------------------------------------------------|--------------------------------------|
| Location: TROUT CREEK 400m South of West CLEVELLY LANE                  |                                                                          | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date: 04-18-19 Time: 1245 | Eastern<br>Central  | Composite end<br>Date: Time:                                               | Bottle Group(s)<br>(See pg 2)<br>A+B |
| Field ID: G2NE1193                                                      |                                                                          | Matrix (type, e.g., Salt, Fresh, etc)<br>SURFACE WATER FRESH              |                                                              | Diss. Oxygen<br>6.4 | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)        |
| WIN/STORET #: G2NE1193                                                  |                                                                          | Temp (C)<br>21.7                                                          | pH<br>7.43                                                   | Sample Depth<br>0.2 | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       | Sp. Conductance<br>(umho/cm) 981     |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms | Salinity (ppt)<br>0.48                                                    | Comments<br>DO% 73.5                                         |                     |                                                                            |                                      |
| Location                                                                |                                                                          | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            | Collection (comp begin or grab)<br>Date: Time:               | Eastern<br>Central  | Composite end<br>Date: Time:                                               | Bottle Group(s)                      |
| Field ID                                                                |                                                                          | Matrix (type, e.g., Salt, Fresh, etc)                                     |                                                              | Diss. Oxygen        | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            | Total Res. Chlorine<br>(mg/L)        |
| WIN/STORET #                                                            |                                                                          | Temp (C)                                                                  | pH                                                           | Sample Depth        | <input type="checkbox"/> ft<br><input type="checkbox"/> m                  | Sp. Conductance<br>(umho/cm)         |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms | Salinity (ppt)                                                            | Comments                                                     |                     |                                                                            |                                      |
| Location                                                                |                                                                          | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            | Collection (comp begin or grab)<br>Date: Time:               | Eastern<br>Central  | Composite end<br>Date: Time:                                               | Bottle Group(s)                      |
| Field ID                                                                |                                                                          | Matrix (type, e.g., Salt, Fresh, etc)                                     |                                                              | Diss. Oxygen        | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            | Total Res. Chlorine<br>(mg/L)        |
| WIN/STORET #                                                            |                                                                          | Temp (C)                                                                  | pH                                                           | Sample Depth        | <input type="checkbox"/> ft<br><input type="checkbox"/> m                  | Sp. Conductance<br>(umho/cm)         |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms | Salinity (ppt)                                                            | Comments                                                     |                     |                                                                            |                                      |
| Location                                                                |                                                                          | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            | Collection (comp begin or grab)<br>Date: Time:               | Eastern<br>Central  | Composite end<br>Date: Time:                                               | Bottle Group(s)                      |
| Field ID                                                                |                                                                          | Matrix (type, e.g., Salt, Fresh, etc)                                     |                                                              | Diss. Oxygen        | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            | Total Res. Chlorine<br>(mg/L)        |
| WIN/STORET #                                                            |                                                                          | Temp (C)                                                                  | pH                                                           | Sample Depth        | <input type="checkbox"/> ft<br><input type="checkbox"/> m                  | Sp. Conductance<br>(umho/cm)         |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms | Salinity (ppt)                                                            | Comments                                                     |                     |                                                                            |                                      |
| Location                                                                |                                                                          | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            | Collection (comp begin or grab)<br>Date: Time:               | Eastern<br>Central  | Composite end<br>Date: Time:                                               | Bottle Group(s)                      |
| Field ID                                                                |                                                                          | Matrix (type, e.g., Salt, Fresh, etc)                                     |                                                              | Diss. Oxygen        | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            | Total Res. Chlorine<br>(mg/L)        |
| WIN/STORET #                                                            |                                                                          | Temp (C)                                                                  | pH                                                           | Sample Depth        | <input type="checkbox"/> ft<br><input type="checkbox"/> m                  | Sp. Conductance<br>(umho/cm)         |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms | Salinity (ppt)                                                            | Comments                                                     |                     |                                                                            |                                      |

|                             |                          |                         |                              |                 |                             |
|-----------------------------|--------------------------|-------------------------|------------------------------|-----------------|-----------------------------|
| Relinquished By: P.O'Connor | Date/Time: 04-18-19 1500 | Shipping Method: FED EX | Number of Coolers Shipped: 1 | Received By: TR | Date/Time: 04/19/19 @ 09:50 |
|-----------------------------|--------------------------|-------------------------|------------------------------|-----------------|-----------------------------|

|          |                                                                                    |                |                 |               |               |                                     |   |
|----------|------------------------------------------------------------------------------------|----------------|-----------------|---------------|---------------|-------------------------------------|---|
| Group: A | Bottle Type:                                                                       | P-1L           | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |
|          | ALKALINITY<br>TURBIDITY<br>W-CL-IC<br>W-COLOR<br>W-F<br>W-SO4-IC<br>W-TDS<br>W-TSS |                |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                                                       | BP-1L          | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |
|          | CHLSUITE-W                                                                         |                |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                                                       | P-250ML-WI-THI | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 0 |
|          | NE-ALS-ECQ                                                                         |                |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                                                       | BG-500ML       | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |
|          | W-E8321-DI<br>W-E8321-MS                                                           |                |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                                                       | P-500ML        | # of Bottles: 2 | Preservative: | HNO3          | Enter Number of Bottles Sent to Lab | 1 |
|          | W-ICP<br>W-ICPMS                                                                   |                |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                                                       | P-500ML        | # of Bottles: 2 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 1 |
|          | W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC                                    |                |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                                                       | P-125ML        | # of Bottles: 2 | Preservative: | FILTER-ICE    | Enter Number of Bottles Sent to Lab | 1 |
|          | W-PO4-F                                                                            |                |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                                                       | BG-1L          | # of Bottles: 6 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 3 |
|          | W-PSNP-TQ                                                                          |                |                 |               |               |                                     |   |
| Group: B | Bottle Type:                                                                       | PT-50ML        | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 0 |
|          | ALGAL_ID                                                                           |                |                 |               |               |                                     |   |
| Group: B | Bottle Type:                                                                       | PJ-2L          | # of Bottles: 4 | Preservative: | Formalin      | Enter Number of Bottles Sent to Lab | 2 |

Date of Request: 07-MAR-2019  
 Created By: PARRISH\_J On: 07-MAR-2019  
 Modified By: JASROTIA\_P On: 14-MAR-2019  
 Customer: NE-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Northeast District  
 Sampling Event: SCI Cedar, and Trout

**Send Coolers To:**

Phone: 904-256-1700  
 8800 Baymeadows Way West  
 Suite 100  
 Jacksonville, FL 32256  
 Attn: Jeremy Parrish

**Send Final Report To:**

8800 Baymeadows Way West  
 Suite 100  
 Jacksonville, FL 32256  
 Attn: Jeremy Parrish

Program Module Number:

Priority: 3

Event Status: R

Criminal Investigation: NO

Chemistry Request Reviewed By: WATTS\_J On: 14-MAR-2019

Biology Request Reviewed By: JASROTIA\_P On: 14-MAR-2019

Sampling Kit Required: YES Ship on: 29-MAR-2019

Sampling Kit Shipped: YES On: 25-MAR-2019

Sampling Kit Packed By: REAVES\_S

Preservatives Needed: NO

Date to Receive Samples: 08-APR-2019

Received By: KLUG\_K On: 17-APR-2019

Report Type: Final Only

FTP Data: NO

QC Report: YES

Date Log: NO

Authorization Log: NO

Comments: Group A: Nutrients, Metals, Tracers, Q-PSNP-TQ, Bacteria  
 Group B: SCI, Algae\_ID

NE-ALS-ECQ

Packing Notes:  
 none

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

|                             |                      |                                                                                                                                                |
|-----------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L           | Number of Bottles: 2 | Preserved With: ICE                                                                                                                            |
| ALKALINITY                  | Template: DEFAULT    | (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L                                                                                    |
| TURBIDITY                   | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                                                             |
| W-CL-IC                     | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                                                              |
| W-COLOR                     | Template: DEFAULT    | (SM 2120 B) True Color measured at 450 nm                                                                                                      |
| Color (true)                |                      |                                                                                                                                                |
| W-F                         | Template: DEFAULT    | (SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)                                           |
| W-SO4-IC                    | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                                                               |
| W-TDS                       | Template: DEFAULT    | (SM 2540 C-97) Total Dissolved Solids in aqueous matrices                                                                                      |
| W-TSS                       | Template: DEFAULT    | (SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                                                  |
| Bottle Type: BP-1L          | Number of Bottles: 2 | Preserved With: ICE                                                                                                                            |
| CHLSUITE-W                  | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                                   |
| Bottle Type: P-250ML-WI-THI | Number of Bottles: 2 | Preserved With: ICE                                                                                                                            |
| NE-ALS-ECQ                  | Template: DEFAULT    | (SM 9223 B Quanti-Tray) Escherichia coli by Colilert Quanti-Tray method by ALS Environmental Laboratory in Jacksonville                        |
| Bottle Type: BG-500ML       | Number of Bottles: 2 | Preserved With: ICE                                                                                                                            |
| W-E8321-DI                  | Template: DEFAULT    | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                        |
| W-E8321-MS                  | Template: DEFAULT    | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                        |
| Bottle Type: P-500ML        | Number of Bottles: 2 | Preserved With: HNO3                                                                                                                           |
| 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                      |                      |                                                                                                                                                |

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

|                      |                      |                                                                                                                                                |
|----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 2 | Preserved With: HNO3                                                                                                                           |
| 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 |
| Calcium              |                      |                                                                                                                                                |
| Iron                 |                      |                                                                                                                                                |
| Magnesium            |                      |                                                                                                                                                |
| 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              |                      |                                                                                                                                                |
| Cadmium              |                      |                                                                                                                                                |
| Chromium             |                      |                                                                                                                                                |
| Copper               |                      |                                                                                                                                                |
| Lead                 |                      |                                                                                                                                                |
| Nickel               |                      |                                                                                                                                                |
| Selenium             |                      |                                                                                                                                                |
| Silver               |                      |                                                                                                                                                |
| Thallium             |                      |                                                                                                                                                |

|                      |                      |                                                                                          |
|----------------------|----------------------|------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 2 | 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-00) Nonpurgeable Organic Carbon in aqueous matrices                           |
| Bottle Type: P-125ML | Number of Bottles: 2 | Preserved With: FILTER-ICE                                                               |
| W-PO4-F              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L |
| Bottle Type: BG-1L   | Number of Bottles: 6 | Preserved With: ICE                                                                      |
| W-PSNP-TQ            | Template: DEFAULT    | (EPA 8270D) Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS       |

**Bottle Group B (Biological) With 2 Samples:**

|                      |                      |                                                                        |
|----------------------|----------------------|------------------------------------------------------------------------|
| Bottle Type: PJ-2L   | Number of Bottles: 4 | Preserved With: Formalin                                               |
| MI-FW-QLDC           | Template: DEFAULT    | (SOP-IZ06) No. Taxa of FW macroinverts, qual samp, 20 dipnets.         |
| Bottle Type: PT-50ML | Number of Bottles: 2 | Preserved With: ICE                                                    |
| ALGAL_ID             | Template: DEFAULT    | (SOP-AB05) Qualitative assessment of algal taxa present without counts |

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