

RQ- 2019-02-04-68

## Log-in Checklist

Login Station ID: #2Shipping Method: FedEx | UPS | HD | GreyhoundDate/Time of Receipt: 2-8-19/10:15

| Cooler Temperature* | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |                                     |          |    | Tracking # (fill out only if waybill copy is damaged) |
|---------------------|----------------------------------------|----------|---------------------------------------|---------------|-------------------------------------|----------|----|-------------------------------------------------------|
|                     | HNO <sub>3</sub>                       | Formalin |                                       | Present?      |                                     | *Intact? |    |                                                       |
|                     |                                        |          |                                       | Yes           | No                                  | Yes      | No |                                                       |
| <u>2.4</u>          |                                        |          | <u>15</u>                             |               | <input checked="" type="checkbox"/> |          |    |                                                       |
|                     |                                        |          |                                       |               |                                     |          |    |                                                       |
|                     |                                        |          |                                       |               |                                     |          |    |                                                       |
|                     |                                        |          |                                       |               |                                     |          |    |                                                       |
|                     |                                        |          |                                       |               |                                     |          |    |                                                       |
|                     |                                        |          |                                       |               |                                     |          |    |                                                       |
|                     |                                        |          |                                       |               |                                     |          |    |                                                       |

\* HNO<sub>3</sub> and Formalin preserved 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), or if Evidence Seal is damaged. Identify the containers in the affected cooler(s) on back of this form.

**\*\*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 ☒ Date           

## 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: SR

| Check the Box marked "Yes" or "No" for the Presence of Chlorine. If Cl detected, an NCR is required. |     |    |            |     |    |
|------------------------------------------------------------------------------------------------------|-----|----|------------|-----|----|
| Analysis                                                                                             | Yes | No | Analysis   | Yes | No |
| W-1,4 DIOX                                                                                           |     |    | W-PC-AA-SF |     |    |
| W-E8321-DI, -MS, -21                                                                                 |     |    | W-NP-AA-SF |     |    |
| W-BNA (-625, -R)                                                                                     |     |    | W-PDQUAT   |     |    |
| W-CARB-AA (-CAB-AA-R)                                                                                |     |    | W-PCL-SQ-R |     |    |
| W-U2060-MS                                                                                           |     |    | W-TR-TQ    |     |    |
| W-PCB-R                                                                                              |     |    | W-CT-CI-R  |     |    |
| W-PAH (-R)                                                                                           |     |    | W-PSNP-TQ  |     |    |
| W-PFAS-MS                                                                                            |     |    |            |     |    |

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

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

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

Coolers Unpacked/Checked by: SR Date: 2-8-19 NCRs (Y/N)? N

Event ID: Mullet Tidal  
SW-DIST-2019-02-08-02 (SMP)

NCR #

## Log-in Checklist

### Samples with Incorrect pH Preservation or presence of Chlorine

| Field ID | Bottle Test ID(s) | pH / Cl | 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_02_2018EXP:4/27/19 |
| pH Paper 0.0 – 3.0 Lot #   |                        |
| pH Paper 0 – 13 Lot #      | 222516 EXP:08-15-19    |
| Chlorine Test Strips Lot # | 8261 EXP: 07/2021      |

### ENCORE SAMPLES

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

Were Encore samples received? Yes \_\_\_\_\_ No ✓

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: \_\_\_\_\_

Mullet Tidal

## Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: SW-DIST

Requester: Benjamin Paswater

Field Report Prepared By:

Project ID: SMP

Collected By:

Sampling Agency:

|                                                                         |  |                                                                                  |                                                          |                                                                                  |                                                                            |                                    |
|-------------------------------------------------------------------------|--|----------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------|------------------------------------|
| Location                                                                |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab        | Collection (comp begin or grab)<br>Date 2/7/19 Time 1300 | Eastern<br>Central                                                               | Composite end<br>Date Time                                                 | Bottle<br>Group(s)<br>(See pg 2)   |
| Field ID/WIN<br>G1SW0095                                                |  | Matrix (type, e.g., Salt, Fresh, etc)                                            |                                                          | Diss. Oxygen<br>4.89                                                             | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)      |
| WIN/<br>Site Name: Mullet Creek Tidal at Park                           |  | Temp<br>(C) 20.33                                                                | pH 7.52                                                  | Sample<br>Depth 0.3                                                              | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       | Sp. Conductance<br>(umho/cm) 14355 |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms |  | Salinity<br>(ppt)<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms |                                                          | Comments                                                                         |                                                                            |                                    |
| Location                                                                |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab        | Collection (comp begin or grab)<br>Date 2/7/19 Time 1308 | Eastern<br>Central                                                               | Composite end<br>Date Time                                                 | Bottle<br>Group(s)                 |
| Field ID:<br>G1SW0095_DUP                                               |  | 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)      |
| Location:<br>Mullet Creek Tidal @ Park                                  |  | Temp<br>(C)                                                                      | pH                                                       | Sample<br>Depth                                                                  | <input type="checkbox"/> ft<br><input type="checkbox"/> m                  | Sp. Conductance<br>(umho/cm)       |
| WIN ID:<br>G1SW0095                                                     |  | Salinity<br>(ppt)<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms |                                                          | Comments<br>ENTERED DROPPED BY 2 AEL                                             |                                                                            |                                    |
| 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<br>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<br>(C)                                                                      | pH                                                       | Sample<br>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<br>(ppt)<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms |                                                                            |                                    |
| 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<br>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<br>(C)                                                                      | pH                                                       | Sample<br>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<br>(ppt)<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms |                                                                            |                                    |

Relinquished By:

Date/Time

Shipping Method

Number of Coolers Shipped:

Received By:

Date/Time

Ben Paswater

2/7/19

Fed Ex

1

SR

2-5-19/1045

|          |                                                    |                |                 |               |                            |                                     |   |
|----------|----------------------------------------------------|----------------|-----------------|---------------|----------------------------|-------------------------------------|---|
| Group: A | Bottle Type:                                       | P-1L           | # of Bottles: 1 | Preservative: | ICE                        | Enter Number of Bottles Sent to Lab | 1 |
|          | ALKALINITY<br>TURBIDITY<br>W-BR-IC<br>W-F<br>W-TSS |                |                 |               |                            |                                     |   |
| Group: A | Bottle Type:                                       | BP-1L          | # of Bottles: 1 | Preservative: | ICE                        | Enter Number of Bottles Sent to Lab | 1 |
|          | CHLSUITE-W                                         |                |                 |               |                            |                                     |   |
| Group: A | Bottle Type:                                       | BG-500ML       | # of Bottles: 1 | Preservative: | CH2CICOOH<br>Pre-Preserved | Enter Number of Bottles Sent to Lab | 1 |
|          | W-CARB-AA                                          |                |                 |               |                            |                                     |   |
| Group: A | Bottle Type:                                       | BG-500ML       | # of Bottles: 4 | Preservative: | ICE                        | Enter Number of Bottles Sent to Lab | 4 |
|          | W-CT-CI-R<br>W-PCL-SQ-R                            |                |                 |               |                            |                                     |   |
| Group: A | Bottle Type:                                       | BG-500ML       | # of Bottles: 1 | 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: 1 | Preservative: | HNO3                       | Enter Number of Bottles Sent to Lab | 1 |
|          | W-ICP<br>W-ICPMS                                   |                |                 |               |                            |                                     |   |
| Group: A | Bottle Type:                                       | P-500ML        | # of Bottles: 1 | 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: 1 | Preservative: | FILTER-ICE                 | Enter Number of Bottles Sent to Lab | 1 |
|          | W-PO4-F                                            |                |                 |               |                            |                                     |   |
| Group: A | Bottle Type:                                       | BG-1L          | # of Bottles: 4 | Preservative: | ICE                        | Enter Number of Bottles Sent to Lab | 4 |
|          | W-PSNP-TQ                                          |                |                 |               |                            |                                     |   |
| Group: B | Bottle Type:                                       | P-250ML-WI-THI | # of Bottles: 2 | Preservative: | ICE                        | Enter Number of Bottles Sent to Lab | 2 |
|          | SWD-AEL-EN                                         |                |                 |               |                            |                                     |   |

Date of Request: 23-JAN-2019  
 Created By: PASWATER\_B On: 23-JAN-2019  
 Modified By: JASROTIA\_P On: 23-JAN-2019  
 Customer: SW-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Southwest District  
 Sampling Event: Mullet Tidal

**Send Coolers To:**

Phone: 813-632-7600  
 FL Dept. of Environmental Protection  
 13051 N. Telecom Parkway  
 Temple Terrace, FL 33637-0926  
 Attn: Ben Paswater

Program Module Number:  
 Priority: 3  
 Event Status: S  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 23-JAN-2019  
 Biology Request Reviewed By: JASROTIA\_P On: 23-JAN-2019  
 Sampling Kit Required: YES Ship on: 28-JAN-2019  
 Sampling Kit Shipped: YES On: 25-JAN-2019  
 Sampling Kit Packed By: SHAIK\_A  
 Preservatives Needed: NO  
 Date to Receive Samples: 04-FEB-2019  
 Received By:

**Send Final Report To:**

FL Dept. of Environmental Protection  
 13051 N. Telecom Parkway  
 Temple Terrace, FL 33637-0926  
 Attn: Ben Pawater

Report Type: Final Only  
 FTP Data: NO  
 QC Report: YES  
 Date Log: NO  
 Authorization Log: NO

Comments: Mullet Tidal #1

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

|                              |                      |                                                                                                                           |
|------------------------------|----------------------|---------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L            | Number of Bottles: 1 | Preserved With: ICE                                                                                                       |
| ALKALINITY Template: DEFAULT | (SM 2320 B-97)       | 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-BR-IC Template: DEFAULT    | (EPA 300.0)          | Bromide in aqueous matrices                                                                                               |
| W-F Template: DEFAULT        | (SM 4500 F-C-97)     | Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)                                       |
| 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: 1 | Preserved With: ICE                                                                                                       |
| CHLSUITE-W Template: DEFAULT | (SM 10200 H (mod.))  | Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                                  |
| Bottle Type: BG-500ML        | Number of Bottles: 1 | Preserved With: CH <sub>2</sub> ClCOOH Pre-Preserved                                                                      |
| W-CARB-AA Template: DEFAULT  | (EPA 8321B)          | Carbamates in water matrices by HPLC/MS/MS                                                                                |
| Bottle Type: BG-500ML        | Number of Bottles: 4 | Preserved With: ICE                                                                                                       |
| W-CT-CI-R Template: DEFAULT  | (EPA 8276)           | Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization                                    |
| W-PCL-SQ-R Template: DEFAULT | (EPA 8270D)          | Organochlorine pesticides in water matrices by GC/MS-SIM                                                                  |
| Bottle Type: BG-500ML        | Number of Bottles: 1 | Preserved With: ICE                                                                                                       |
| W-E8321-DI Template: DEFAULT | (EPA 8321B)          | Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                               |
| W-E8321-MS Template: DEFAULT | (EPA 8321B)          | Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                               |
| Bottle Type: P-500ML         | Number of Bottles: 1 | Preserved With: HNO <sub>3</sub>                                                                                          |
| W-ICP Template: S-METALS     | (EPA 200.7 Rev. 4.4) | Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| Iron                         |                      |                                                                                                                           |
| Manganese                    |                      |                                                                                                                           |
| 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                    |
| Aluminum                     |                      |                                                                                                                           |
| Antimony                     |                      |                                                                                                                           |

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

|                      |                      |                                                                                                                             |
|----------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 1 | Preserved With: HNO3                                                                                                        |
| W-ICPMS              | Template:            | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects |

Arsenic  
 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-00) Nonpurgeable Organic Carbon in aqueous matrices      |

|                      |                      |                                                                                          |
|----------------------|----------------------|------------------------------------------------------------------------------------------|
| Bottle Type: P-125ML | Number of Bottles: 1 | Preserved With: FILTER-ICE                                                               |
| W-PO4-F              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L |
| Bottle Type: BG-1L   | Number of Bottles: 4 | Preserved With: ICE                                                                      |
| W-PSNP-TQ            | Template: DEFAULT    | (EPA 8270D) Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS       |

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

|                             |                      |                                                                                                           |
|-----------------------------|----------------------|-----------------------------------------------------------------------------------------------------------|
| Bottle Type: P-250ML-WI-THI | Number of Bottles: 2 | Preserved With: ICE                                                                                       |
| SWD-AEL-EN                  | Template: DEFAULT    | (SM 9230 C) Enterococci by membrane filter method by Advanced Environmental Overflow Laboratories for SWD |

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

**FedEx**

**Do Not Lift Using This Tag**

ORIGIN ID: TLHA (813) 470-5951  
MATTHEW BEARDEN  
FL DEP SOUTHWEST DISTRICT  
13051 N TELECOM PKWY

SHIP DATE: 28JAN19  
ACTWGT: 40.00 LB MAX  
CAD: 0446970/CAFE2

TEMPLE TERRACE, FL 336370926  
UNITED STATES US

TO **JOHN WATTS**  
**FLORIDA DEP/CHEMISTR**  
**2600 BLAIRSTONE RD**

**TALLAHASSEE FL 32399**

(850) 245-8077

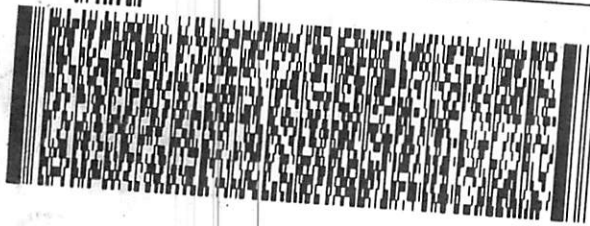
INV:

PO:

REF:

DEPT:

RMA: ||| ||| |||



**FedEx**  
Express



J161118060501W

TRK# 4751 8776 1690  
0221

**FedEx**

TRK# 4751 8776 1690  
0221

**RETURNS MON-FRI**  
**PRIORITY OVERNIGHT**

**FRI - 08 FEB 10:30A**  
**PRIORITY OVERNIGHT**

**36 TLHA**

**32399**  
FL-US  
TLH



FID 5211412 07FEB19 MCFA 553C2/0E3D/0C8A