

# Log-in Checklist

RQ- 2017-10-09-20

Shipping Method: Fedex

Date/Time of Receipt: 11-16-17/10105

| Cooler ID | Cooler Temperature* | No. Sample Containers in Cooler | Evidence Tape |     |          |  | Tracking # (fill out only if waybill copy is damaged) |
|-----------|---------------------|---------------------------------|---------------|-----|----------|--|-------------------------------------------------------|
|           |                     |                                 | Present?      |     | *Intact? |  |                                                       |
| Yes       | No                  | Yes                             | No            | Yes | No       |  |                                                       |
| Red       | 1.7                 | 13                              |               | ✓   |          |  |                                                       |
| Red       | 0.8                 | 15                              |               | ✓   |          |  |                                                       |
|           |                     |                                 |               |     |          |  |                                                       |
|           |                     |                                 |               |     |          |  |                                                       |
|           |                     |                                 |               |     |          |  |                                                       |
|           |                     |                                 |               |     |          |  |                                                       |
|           |                     |                                 |               |     |          |  |                                                       |

\*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 in any of the fields below, fill out the back of this form with additional details (Field ID, Test IDs, etc.) and generate an NCR.

\*\*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 (Blue dot on container)

| 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-AHERB-AA (-AHB-AA-R)                                                                               |     | <input checked="" type="checkbox"/> | W-PCL-SQ (-R) |     |    |  |
| W-BNA (-625, -R)                                                                                     |     |                                     | W-PDQUAT      |     |    |  |
| W-CARB-AA (-CAB-AA-R)                                                                                |     |                                     | W-PESTNP-R    |     |    |  |
| W-ENDO-AA                                                                                            |     |                                     | W-PSCL-TQ     |     |    |  |
| W-GLYPH                                                                                              |     |                                     | W-PSNP-TQ     |     |    |  |
| W-NP-AA-SF                                                                                           |     |                                     | W-PST-CL-R    |     |    |  |
| W-PAH (-R)                                                                                           |     |                                     | W-TR-TQ       |     |    |  |
| W-PCB-R                                                                                              |     |                                     | W-CT-CI-R     |     |    |  |

## 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: 11-16-17

NCRs (Y/N)? N

Event ID: NW-DIST-2017-11-16-01

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 |
|----------|-------------------|--------------|
|          |                   |              |
|          |                   |              |
|          |                   |              |
|          |                   |              |

## 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 \_\_\_\_\_ No \_\_\_\_\_

If 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: \_\_\_\_\_

**Additional Comments:**

# Florida Department of Environmental Protection

## Central Laboratory Submittal Form

Customer: NW-DIST

Requester: Michael King

Field Report Prepared By: MIKE KING

Project ID: SMP

Collected By: MIKE KING/JIMMY PITTS

Sampling Agency: FDEP NWDC

|          |                                                                                                                             |                                    |                                                                           |                                         |                      |                                                                            |                                      |                               |
|----------|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------|---------------------------------------------------------------------------|-----------------------------------------|----------------------|----------------------------------------------------------------------------|--------------------------------------|-------------------------------|
| Local    | Location: Escambia River downstream of Cotton Lake<br>RQ-2017-11-06-39 (WBID 10A)<br>Date: 11/15<br>Time: 1000 CT           | G4NW0403<br>Field ID ↑<br>STORET ↓ | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date | Eastern<br>Central   | Composite end<br>Date                                                      | Time                                 | Bottle Group(s)<br>(See pg 2) |
| Field    |                                                                                                                             |                                    |                                                                           | Matrix (type, e.g., Salt, Fresh, etc)   | Diss. Oxygen<br>8.55 | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)        | D                             |
| STOI     |                                                                                                                             |                                    |                                                                           | Temp (C)<br>14.13                       | pH<br>6.59           | Sample Depth<br>0.3                                                        | Sp. Conductance<br>(umho/cm)<br>92   |                               |
| Latitude | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                                                                 | Longitude                          | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt)<br>0.04                  | Comments             |                                                                            |                                      |                               |
| Local    | Location: Escambia River upstream of Mitchell Creek<br>RQ-2017-11-06-39 (WBID 10B)<br>Date: 11/15<br>Time: 1045 CT          | G4NW0404<br>Field ID ↑<br>STORET ↓ | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date | Eastern<br>Central   | Composite end<br>Date                                                      | Time                                 | Bottle Group(s)               |
| Field    |                                                                                                                             |                                    |                                                                           | Matrix (type, e.g., Salt, Fresh, etc)   | Diss. Oxygen<br>8.79 | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)        | D                             |
| STOI     |                                                                                                                             |                                    |                                                                           | Temp (C)<br>14.04                       | pH<br>6.53           | Sample Depth<br>0.3                                                        | Sp. Conductance<br>(umho/cm)<br>95   |                               |
| Latitude | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                                                                 | Longitude                          | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt)<br>0.04                  | Comments             |                                                                            |                                      |                               |
| Local    | Location: Escambia River<br>RQ-2017-11-06-39 (WBID 10C)<br>Date: 11/15<br>Time: 1116 CT                                     | G4NW0405<br>Field ID ↑<br>STORET ↓ | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date | Eastern<br>Central   | Composite end<br>Date                                                      | Time                                 | Bottle Group(s)               |
| Field    |                                                                                                                             |                                    |                                                                           | Matrix (type, e.g., Salt, Fresh, etc)   | Diss. Oxygen<br>8.84 | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            | Total Res. Chlorine<br>(mg/L)        | B                             |
| STOI     |                                                                                                                             |                                    |                                                                           | Temp (C)<br>16.05                       | pH<br>6.67           | Sample Depth<br>0.3                                                        | Sp. Conductance<br>(umho/cm)<br>96   |                               |
| Latitude | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                                                                 | Longitude                          | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt)<br>0.04                  | Comments             |                                                                            |                                      |                               |
| Local    | Location: Escambia River below Mackey Bay Inlet (North Bank)<br>RQ-2017-11-06-39 (WBID 10A)<br>Date: 11/15<br>Time: 1245 CT | G4NW0255<br>Field ID ↑<br>STORET ↓ | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date | Eastern<br>Central   | Composite end<br>Date                                                      | Time                                 | Bottle Group(s)               |
| Field    |                                                                                                                             |                                    |                                                                           | Matrix (type, e.g., Salt, Fresh, etc)   | Diss. Oxygen<br>7.40 | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)        | CEF                           |
| STOI     |                                                                                                                             |                                    |                                                                           | Temp (C)<br>17.64                       | pH<br>6.53           | Sample Depth<br>0.3                                                        | Sp. Conductance<br>(umho/cm)<br>3748 |                               |
| Latitude | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                                                                 | Longitude                          | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt)<br>2.00                  | Comments             |                                                                            |                                      |                               |

|                  |                       |                          |                                 |              |                             |
|------------------|-----------------------|--------------------------|---------------------------------|--------------|-----------------------------|
| Relinquished By: | Date/Time<br>11/15/17 | Shipping Method<br>Fedex | Number of Coolers Shipped:<br>2 | Received By: | Date/Time<br>11-16-17/10:05 |
|------------------|-----------------------|--------------------------|---------------------------------|--------------|-----------------------------|

|          |              |                    |                 |               |               |                                             |
|----------|--------------|--------------------|-----------------|---------------|---------------|---------------------------------------------|
| Group: A | Bottle Type: | P-1L               | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____   |
|          | ALKALINITY   |                    |                 |               |               |                                             |
|          | TURBIDITY    |                    |                 |               |               |                                             |
|          | W-CL-IC      |                    |                 |               |               |                                             |
|          | W-COLOR      |                    |                 |               |               |                                             |
|          | W-F          |                    |                 |               |               |                                             |
|          | W-SO4-IC     |                    |                 |               |               |                                             |
|          | W-TDS        |                    |                 |               |               |                                             |
|          | W-TSS        |                    |                 |               |               |                                             |
| Group: A | Bottle Type: | BP-1L              | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____   |
|          | CHLSUITE-W   |                    |                 |               |               |                                             |
| Group: A | Bottle Type: | P-500ML            | # of Bottles: 1 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab _____   |
|          | W-NH3        |                    |                 |               |               |                                             |
|          | W-NO2NO3     |                    |                 |               |               |                                             |
|          | W-S-A-TP     |                    |                 |               |               |                                             |
|          | W-TKN        |                    |                 |               |               |                                             |
|          | W-TOC        |                    |                 |               |               |                                             |
| Group: A | Bottle Type: | P-125ML            | # of Bottles: 1 | Preservative: | ICE-FLTR      | Enter Number of Bottles Sent to Lab _____   |
|          | W-PO4-F      |                    |                 |               |               |                                             |
| Group: B | Bottle Type: | TEST HAS NO BOTTLE | # of Bottles: 3 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____ 1 |
|          | NW-UWF-ECQ   |                    |                 |               |               |                                             |
| Group: C | Bottle Type: | BG-1L              | # of Bottles: 3 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____ 1 |
|          | W-AHERB-AA   |                    |                 |               |               |                                             |
|          | W-SUC-AA-R   |                    |                 |               |               |                                             |
|          | W-UHERB-AA   |                    |                 |               |               |                                             |
| Group: D | Bottle Type: | P-1L               | # of Bottles: 4 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____ 2 |
|          | ALKALINITY   |                    |                 |               |               |                                             |
|          | TURBIDITY    |                    |                 |               |               |                                             |
|          | W-CL-IC      |                    |                 |               |               |                                             |
|          | W-COLOR      |                    |                 |               |               |                                             |
|          | W-F          |                    |                 |               |               |                                             |
|          | W-SO4-IC     |                    |                 |               |               |                                             |
|          | W-TDS        |                    |                 |               |               |                                             |
|          | W-TSS        |                    |                 |               |               |                                             |

|            |                                 |                 |                             |                                     |   |
|------------|---------------------------------|-----------------|-----------------------------|-------------------------------------|---|
| Group: D   | Bottle Type: BP-1L              | # of Bottles: 4 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 2 |
| CHLSUITE-W |                                 |                 |                             |                                     |   |
| Group: D   | Bottle Type: P-500ML            | # of Bottles: 4 | Preservative: HNO3          | Enter Number of Bottles Sent to Lab | 2 |
| W-ICP      |                                 |                 |                             |                                     |   |
| W-ICPMS    |                                 |                 |                             |                                     |   |
| Group: D   | Bottle Type: P-500ML            | # of Bottles: 4 | Preservative: ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 2 |
| W-NH3      |                                 |                 |                             |                                     |   |
| W-NO2NO3   |                                 |                 |                             |                                     |   |
| W-S-A-TP   |                                 |                 |                             |                                     |   |
| W-TKN      |                                 |                 |                             |                                     |   |
| W-TOC      |                                 |                 |                             |                                     |   |
| Group: D   | Bottle Type: P-125ML            | # of Bottles: 4 | Preservative: ICE-FLTR      | Enter Number of Bottles Sent to Lab | 2 |
| W-PO4-F    |                                 |                 |                             |                                     |   |
| Group: E   | Bottle Type: QPCR-P-250ML       | # of Bottles: 2 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 1 |
| PCR-FILTER |                                 |                 |                             |                                     |   |
| PCR-HF183  |                                 |                 |                             |                                     |   |
| Group: F   | Bottle Type: TEST HAS NO BOTTLE | # of Bottles: 3 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 1 |
| NW-UWF-ENQ |                                 |                 |                             |                                     |   |

|          |              |                    |                 |               |               |                                           |
|----------|--------------|--------------------|-----------------|---------------|---------------|-------------------------------------------|
| Group: D | Bottle Type: | BP-1L              | # of Bottles: 4 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____ |
|          | CHLSUITE-W   |                    |                 |               |               |                                           |
| Group: D | Bottle Type: | P-500ML            | # of Bottles: 4 | Preservative: | HNO3          | Enter Number of Bottles Sent to Lab _____ |
|          | W-ICP        |                    |                 |               |               |                                           |
|          | W-ICPMS      |                    |                 |               |               |                                           |
| Group: D | Bottle Type: | P-500ML            | # of Bottles: 4 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab _____ |
|          | W-NH3        |                    |                 |               |               |                                           |
|          | W-NO2NO3     |                    |                 |               |               |                                           |
|          | W-S-A-TP     |                    |                 |               |               |                                           |
|          | W-TKN        |                    |                 |               |               |                                           |
|          | W-TOC        |                    |                 |               |               |                                           |
| Group: D | Bottle Type: | P-125ML            | # of Bottles: 4 | Preservative: | ICE-FLTR      | Enter Number of Bottles Sent to Lab _____ |
|          | W-PO4-F      |                    |                 |               |               |                                           |
| Group: E | Bottle Type: | QPCR-P-250ML       | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____ |
|          | PCR-FILTER   |                    |                 |               |               |                                           |
|          | PCR-HF183    |                    |                 |               |               |                                           |
| Group: F | Bottle Type: | TEST HAS NO BOTTLE | # of Bottles: 3 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____ |
|          | NW-UWF-ENQ   |                    |                 |               |               |                                           |

# Florida Department of Environmental Protection

## Central Laboratory Submittal Form

Customer: NW-DIST

Requester: Michael King

Field Report Prepared By: MIKE KING

Project ID: SMP

Collected By: MIKE KING / JIMMY PITTSSampling Agency: FDEP NW ROL

|                                                                                                                                        |                                                                          |                                                                           |                                                          |                             |                                                                            |                                         |
|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------|----------------------------------------------------------------------------|-----------------------------------------|
| Location: Escambia River<br>upstream Gulf Power Discharge<br>RQ-2017-11-06-39 (WBID 10E)<br>Date: <u>11/15</u><br>Time: <u>1300</u> CT | <b>G4NW0264</b><br>Field ID ↑<br>STORET ↓                                | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date _____ Time _____ | Eastern<br>Central          | Composite end<br>Date _____ Time _____                                     | Bottle Group(s)<br>(See pg 2)           |
|                                                                                                                                        |                                                                          | Matrix (type, e.g., Salt, <u>Fresh</u> , etc)                             |                                                          | Diss. Oxygen<br><u>7.81</u> | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)           |
|                                                                                                                                        |                                                                          | Temp<br>(C) <u>17.50</u>                                                  | pH<br><u>6.64</u>                                        | Sample Depth<br><u>0.3</u>  | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       | Sp. Conductance<br>(umho/cm) <u>630</u> |
| 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) <u>0.31</u>                                             |                                                          | Comments                    |                                                                            |                                         |
| Location: Escambia River<br>upstream Gulf Power Discharge<br>RQ-2017-11-06-39 (WBID 10E)<br>Date: <u>11/15</u><br>Time: <u>1305</u> CT | <b>G4NW0264 DUPLICATE</b><br>Field ID ↑<br>STORET ↓                      | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date _____ Time _____ | Eastern<br>Central          | Composite end<br>Date _____ Time _____                                     | Bottle Group(s)                         |
|                                                                                                                                        |                                                                          | Matrix (type, e.g., Salt, <u>Fresh</u> , etc)                             |                                                          | Diss. Oxygen                | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            | Total Res. Chlorine<br>(mg/L)           |
|                                                                                                                                        |                                                                          | Temp<br>(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<br>(ppt)                                                         |                                                          | Comments                    |                                                                            |                                         |
| Location: Escambia River<br>upstream Gulf Power Discharge<br>RQ-2017-11-06-39<br>Date: <u>11/15</u><br>Time: <u>1310</u> CT            | <b>FIELD BLANK</b><br>Field ID ↑                                         | <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)                         |
|                                                                                                                                        |                                                                          | Matrix (type, e.g., Salt, <u>Fresh</u> , etc)                             |                                                          | Diss. Oxygen                | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            | Total Res. Chlorine<br>(mg/L)           |
|                                                                                                                                        |                                                                          | Temp<br>(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<br>(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)           |
| STORET #                                                                                                                               |                                                                          | Temp<br>(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<br>(ppt)                                                         |                                                          | Comments                    |                                                                            |                                         |

|                                     |                              |                                 |                                        |                                 |                                    |
|-------------------------------------|------------------------------|---------------------------------|----------------------------------------|---------------------------------|------------------------------------|
| Relinquished By: <u>[Signature]</u> | Date/Time<br><u>11/15/17</u> | Shipping Method<br><u>FedEx</u> | Number of Coolers Shipped:<br><u>2</u> | Received By: <u>[Signature]</u> | Date/Time<br><u>11-16-17/10:05</u> |
|-------------------------------------|------------------------------|---------------------------------|----------------------------------------|---------------------------------|------------------------------------|

|          |              |                    |                 |               |               |                                     |                             |
|----------|--------------|--------------------|-----------------|---------------|---------------|-------------------------------------|-----------------------------|
| Group: A | Bottle Type: | P-1L               | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | <u>3</u>                    |
|          | ALKALINITY   |                    |                 |               |               |                                     |                             |
|          | TURBIDITY    |                    |                 |               |               |                                     |                             |
|          | W-CL-IC      |                    |                 |               |               |                                     |                             |
|          | W-COLOR      |                    |                 |               |               |                                     |                             |
|          | W-F          |                    |                 |               |               |                                     |                             |
|          | W-SO4-IC     |                    |                 |               |               |                                     |                             |
|          | W-TDS        |                    |                 |               |               |                                     |                             |
|          | W-TSS        |                    |                 |               |               |                                     |                             |
| Group: A | Bottle Type: | BP-1L              | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | <u>3</u>                    |
|          | CHLSUITE-W   |                    |                 |               |               |                                     |                             |
| Group: A | Bottle Type: | P-500ML            | # of Bottles: 1 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab | <u>3</u>                    |
|          | W-NH3        |                    |                 |               |               |                                     |                             |
|          | W-NO2NO3     |                    |                 |               |               |                                     |                             |
|          | W-S-A-TP     |                    |                 |               |               |                                     |                             |
|          | W-TKN        |                    |                 |               |               |                                     |                             |
|          | W-TOC        |                    |                 |               |               |                                     |                             |
| Group: A | Bottle Type: | P-125ML            | # of Bottles: 1 | Preservative: | ICE-FLTR      | Enter Number of Bottles Sent to Lab | <u>3</u>                    |
|          | W-PO4-F      |                    |                 |               |               |                                     |                             |
| Group: B | Bottle Type: | TEST HAS NO BOTTLE | # of Bottles: 3 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | <u>1</u>                    |
|          | NW-UWF-ECQ   |                    |                 |               |               |                                     |                             |
| Group: C | Bottle Type: | BG-1L              | # of Bottles: 3 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | <u>1</u>                    |
|          | W-AHERB-AA   |                    |                 |               |               |                                     |                             |
|          | W-SUC-AA-R   |                    |                 |               |               |                                     |                             |
|          | W-UHERB-AA   |                    |                 |               |               |                                     |                             |
| Group: D | Bottle Type: | P-1L               | # of Bottles: 4 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | <u>                    </u> |
|          | ALKALINITY   |                    |                 |               |               |                                     |                             |
|          | TURBIDITY    |                    |                 |               |               |                                     |                             |
|          | W-CL-IC      |                    |                 |               |               |                                     |                             |
|          | W-COLOR      |                    |                 |               |               |                                     |                             |
|          | W-F          |                    |                 |               |               |                                     |                             |
|          | W-SO4-IC     |                    |                 |               |               |                                     |                             |
|          | W-TDS        |                    |                 |               |               |                                     |                             |
|          | W-TSS        |                    |                 |               |               |                                     |                             |

## Document Reference # 05.1.0

**FDEP**

**Laboratory:** Wetlands Research Laboratory

Sampler's initials : *MR/JP*

**Drop off**

Page 1 of 1

Mike King

Date/Time: 1.6.17 1352

W. K. D. A.

Date/Time: 11/15/17 1352

Instructions: Fill in all fields except "Lab ID" on sample transport form completely. Each sample container must use a separate line. Place this form in a waterproof bag and place it with the samples for transport.

If a field log or other chain of custody is attached, that information may be referenced on this form and the log or COC attached.

[illegible]

Comments \_\_\_\_ sample container lot# #17044

**RQ-2017-11-06-39**

**Contact organization** FDEP

**Contact name** Mike King

**Phone: (850) 595-8300**

**Address** 160 W Governmental Street, suite 208, Pensacola, FL 32502

**Sampler's name:** \_\_\_\_\_

<sup>1</sup>Matrix: SW = surface water, PW = pore water, GW = ground water, S = soil/sediment, X = \_\_\_\_\_

<sup>3</sup> Recorded using IRT-2

<sup>2</sup>Type codes: G = grab, C = composite, X = \_\_\_\_\_

Date of Request: 14-SEP-2017  
 Created By: KING\_M On: 14-SEP-2017  
 Modified By: SWANSON\_C On: 18-SEP-2017  
 Customer: NW-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Northwest District  
 Sampling Event: Escambia River WBID 10A,B,C,E,F

**Send Coolers To:**

Phone: SC-595-0605  
 160 W Government St  
 Suite 208A  
 Pensacola, FL 32502-5794  
 Attn: Michael King

**Send Final Report To:**

160 W Government St  
 Suite 208A  
 Pensacola, FL 32502-5794  
 Attn: Michael King

Program Module Number: 1306  
 Priority: 3  
 Event Status: S  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WHITE\_R On: 15-SEP-2017  
 Biology Request Reviewed By: SWANSON\_C On: 18-SEP-2017  
 Sampling Kit Required: YES Ship on: 25-SEP-2017  
 Sampling Kit Shipped: YES On: 25-SEP-2017  
 Sampling Kit Packed By: GREENWOO\_J  
 Preservatives Needed: NO  
 Date to Receive Samples: 09-OCT-2017  
 Received By:

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

**Comments:****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 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                                                    |
| 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: 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 Group B (Water) With 3 Samples:**

|                          |                      |                                                                                                             |
|--------------------------|----------------------|-------------------------------------------------------------------------------------------------------------|
| Bottle Type: TEST HAS NO | Number of Bottles: 3 | Preserved With: ICE                                                                                         |
| NW-UWF-ECQ               | Template: DEFAULT    | (SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method by UWF Overflow Laboratory for NWD |

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

|                    |                      |                                                                                        |
|--------------------|----------------------|----------------------------------------------------------------------------------------|
| Bottle Type: BG-1L | Number of Bottles: 3 | Preserved With: ICE                                                                    |
| W-AHERB-AA         | Template:            | (USGS O-2060-01) Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS |

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

|                    |                      |                                                                                      |
|--------------------|----------------------|--------------------------------------------------------------------------------------|
| Bottle Type: BG-1L | Number of Bottles: 3 | Preserved With: ICE                                                                  |
| W-SUC-AA-R         | Template: DEFAULT    | (EPA 8321B) Analysis of sucralose in water matrices by HPLC/MS/MS                    |
| W-UHERB-AA         | Template: DEFAULT    | (USGS O-2060-01) Urea herbicides and other chemicals in water matrices by HPLC/MS/MS |

**Bottle Group D (Water) With 4 Samples:**

|                      |                      |                                                                                                                                                |
|----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 4 | 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: 4 | 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: P-1L    | Number of Bottles: 4 | 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                                                                                      |
| Bottle Type: BP-1L   | Number of Bottles: 4 | 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: 4 | 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              |                      |                                                                                                                                                |
| Chromium             |                      |                                                                                                                                                |
| Iron                 |                      |                                                                                                                                                |
| Magnesium            |                      |                                                                                                                                                |
| Nickel               |                      |                                                                                                                                                |
| 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                    |
| Arsenic              |                      |                                                                                                                                                |
| Cadmium              |                      |                                                                                                                                                |
| Copper               |                      |                                                                                                                                                |
| Lead                 |                      |                                                                                                                                                |
| Silver               |                      |                                                                                                                                                |

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

|                           |                      |                                                                                                                                           |
|---------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: QPCR-P-250ML | Number of Bottles: 2 | Preserved With: ICE                                                                                                                       |
| PCR-FILTER                | Template: DEFAULT    | (SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis                                                             |
| PCR-HF183                 | Template: DEFAULT    | (SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction |

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

|                          |                      |                                                                                                 |
|--------------------------|----------------------|-------------------------------------------------------------------------------------------------|
| Bottle Type: TEST HAS NO | Number of Bottles: 3 | Preserved With: ICE                                                                             |
| NW-UWF-ENQ               | Template: DEFAULT    | (Enterolert/QT) Enterococci by Enterolert Quanti-Tray method by UWF Overflow Laboratory for NWD |

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

[illegible][illegible]

fedex.com 1.800.GoFedEx 1.800.463.3339

**Reaves, Shawn D**

---

**From:** King, Michael  
**Sent:** Thursday, November 16, 2017 4:43 PM  
**To:** Reaves, Shawn D  
**Subject:** RE: RQ-2017-10-09-20/RQ-2017-11-06-39

RQ-2017-10-09-20 will work. They are the same sampling trip set up so the paperwork I sent should reflect the correct bottle kits. Please disregard the RQ on the labels.

Mike

---

**From:** Reaves, Shawn D  
**Sent:** Thursday, November 16, 2017 12:10 PM  
**To:** King, Michael <Michael.King@dep.state.fl.us>  
**Subject:** RQ-2017-10-09-20/RQ-2017-11-06-39  
**Importance:** High

Mike,

We received your kit for the following RQ. Your generated label does not match the bottle groups on the submittal forms. Can you please verify RQ-2017-10-09-20 or RQ-2017-11-06-39 the samples should be logged in under?

Request Number: RQ-2017-10-09-20

Escambia River WBID 10A,B,C,E,F

Florida Department of Environmental Protection  
Central Laboratory Submittal Form

Customer: NW-DIST

Requester: Michael King

Project ID: SMP

Collected By: Michael King / Jimmy Pitts

|          |                                                                                                                                              |                                                          |                                                                           |                                     |                                               |                   |         |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------|-----------------------------------------------|-------------------|---------|
| Location | Location: Escambia River<br>upstream Gulf Power Discharge<br>RQ-2017-11-06-39 (WBID 10E)<br>Date: <del>11-06-11</del> 11/15<br>Time: 1300 CT | G4NW0264<br>Field ID ↑<br>STORET ↓<br>G4NW0264           | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or g<br>Date | Matrix (type, e.g., Salt, <u>Fresh</u> , etc) | Temp<br>(C) 17.50 | pH 6.64 |
| Field    |                                                                                                                                              |                                                          | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity<br>(ppt) 0.31              | Comments                                      |                   |         |
| STO      |                                                                                                                                              |                                                          |                                                                           |                                     |                                               |                   |         |
| Latitude |                                                                                                                                              |                                                          |                                                                           |                                     |                                               |                   |         |
| Location | Location: Escambia River<br>upstream Gulf Power Discharge<br>RQ-2017-11-06-39 (WBID 10E)<br>Date: 11/15<br>Time: 1305 CT                     | G4NW0264 DUPLICATE<br>Field ID ↑<br>STORET ↓<br>G4NW0264 | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or g<br>Date | Matrix (type, e.g., Salt, <u>Fresh</u> , etc) | Temp<br>(C)       | pH      |
| Field    |                                                                                                                                              |                                                          | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity<br>(ppt)                   | Comments                                      |                   |         |
| STO      |                                                                                                                                              |                                                          |                                                                           |                                     |                                               |                   |         |
| Latitude |                                                                                                                                              |                                                          |                                                                           |                                     |                                               |                   |         |
| Location | Location: Escambia River<br>upstream Gulf Power Discharge<br>RQ-2017-11-06-39<br>Date: 11/15<br>Time: 1310 CT                                | FIELD BLANK<br>Field ID ↑                                | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or g<br>Date | Matrix (type, e.g., Salt, <u>Fresh</u> , etc) | Temp<br>(C)       | pH      |
| Field    |                                                                                                                                              |                                                          | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity<br>(ppt)                   | Comments                                      |                   |         |
| STO      |                                                                                                                                              |                                                          |                                                                           |                                     |                                               |                   |         |
| Latitude |                                                                                                                                              |                                                          |                                                                           |                                     |                                               |                   |         |
| Location |                                                                                                                                              |                                                          | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or g<br>Date | Matrix (type, e.g., Salt, <u>Fresh</u> , etc) | Temp<br>(C)       | pH      |
| Field    |                                                                                                                                              |                                                          | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity<br>(ppt)                   | Comments                                      |                   |         |
| STO      |                                                                                                                                              |                                                          |                                                                           |                                     |                                               |                   |         |
| Latitude |                                                                                                                                              |                                                          |                                                                           |                                     |                                               |                   |         |

Shawn D. Reaves  
DEP-Lab Support  
Lab Tech IV  
Office: 850-245-8082  
Direct: 58082

