

# Login Checklist

RQ- **2020- 11 - 16 - 42**

Login Station ID: **# 3**

Shipping Method: **FedEx | UPS | HD | Greyhound**

Date/Time of Receipt: **11-18-2020 / 09:50**

| *Cooler Temperature | Samples Frozen? | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |    |          |    | Waybill Tracking # |
|---------------------|-----------------|----------------------------------------|----------|---------------------------------------|---------------|----|----------|----|--------------------|
|                     |                 |                                        |          |                                       | Present?      |    | *Intact? |    |                    |
|                     | YES             | HNO <sub>3</sub>                       | Formalin |                                       | Yes           | No | Yes      | No |                    |
| 1.9C                |                 |                                        |          | 11                                    |               | x  |          |    | 9293 8008 0165     |
| 1.4C                |                 |                                        |          | 10                                    |               | x  |          |    | 9293 8008 0176     |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |

## COOLER CHECK

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

- If the temperature of a cooler exceeds 6.0 oC (above 10.0 oC for W-1-4-DIOX and microbiology) or received without ice, identify affected samples in an NCR. **NCR#** \_\_\_\_\_
- DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C for W-1-4-DIOX) without login confirmation from customer for samples requiring ice preservation; identify affected samples in an NCR. **NCR#** \_\_\_\_\_
- If cooler or samples are received with a damaged Evidence Seal; identify the affected samples in an NCR. **NCR#** \_\_\_\_\_
- If coolers or samples are received late; identify the affected samples in an NCR. **NCR#** **8524**

Chain of Custody/ Field Sheet(s) Included?

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

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

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

## CONTAINER CHECK

Evidence Tape on Bottles?

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

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

If Criminal, photographs taken?

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

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

Caps on tight?

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

Sufficient Sample Volume:

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

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

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

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

Chlorine detected? (One container checked per Field ID)

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

If chlorine is detected, generate an NCR listing affected sample IDs . **NCR#** \_\_\_\_\_

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

\*\*Acid Preserved Samples: pH < 2.0?

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

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

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

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

Coolers Unpacked/Checked by: **ABS**

Date: **11-18-2020** Event contains NCRs (Y/N)? **Y**

Event ID:

**NW - DIST - 2020 - 11 - 18 - 01**

## Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

|                              |                         |
|------------------------------|-------------------------|
| Infrared Thermometer ID:     | IRTG # 3 EXP:10/28/2021 |
| pH Test Strips 0.0 – 6.0     | 213316 BV EXP:05/15/21  |
| pH Paper 0.0 – 3.0           | XX XX XX XX             |
| pH Paper 0.0 – 13.0          | 231019 EXP:11/01/2022   |
| Chlorine Test Strips 0.-10.0 | 0129 / 2023 / 03        |

### ENCORE SAMPLES

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

Were Encore samples received? Yes \_\_\_\_\_ Init: ABS

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

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

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

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

**FOR CLEAN LAB USE ONLY** – Total Mercury Preservation Check(W-HG-AF;W-HG-AF-F):

Samples preserved within 48 hours? Yes \_\_\_\_\_ No \_\_\_\_\_

Date and time samples preserved: \_\_\_\_\_

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
CHAIN OF CUSTODY FORM

**Date:** 11/16/2020 **Collected By:** Christopher Stopher Slade, Nathan Mulkey  
**Customer:** NW-DIST **Sampling Agency:** FDEP  
**RQ:** RQ-2020-11-16-42 **Project ID:** SMP

PLEASE RETURN THE ORIGINAL OF THIS FORM WITH SAMPLE SUBMITTAL  
FORMS AND THE COOLER PACKING WORKSHEET TO THE LAB

**Number of Coolers Shipped: 2**

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

| Site Location                             | Field ID/WIN ID                                                                                     |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Jackson Creek Downstream Of Old Corry Rd. | <br>G4NW0412      |
| Mcdavid Creek 100 M Upstream Sr99         | <br>G5NW0150      |
| Jackson Creek Upstream Of Prieto Drive    | <br>G4NW0505    |
| FB                                        | <br>FB_11162020 |

RELINQUISHED BY(SIGNATURE): *Nathan Mulkey*

DATE/TIME:

11/16/20

**THIS SECTION TO BE COMPLETED BY LABORATORY**

Rec'd/Inspected By: *A. SHAIK*

Rec'd/Inspected Date: *11/18/2020 / 09:50*



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End  
of Day CCV  
Yes / No

WIN Station Name: Jackson Creek Downstream Of Old Corry Rd.

Date: 11/16/2020

WIN/Field ID: G4NW0412

WBID: 846B

ENR:

Latitude: 30.41162

County: ESCAMBIA

Org ID: 21FLPNS

Longitude: -87.2747

Receiving Body of Water: Pensacola

RQ- 2020-11-16-42

| Sampling Team Members               |                           | WQ Measurements | Sample Collection                   | Documentation                       | Preservation                        | Preservation Check                  |
|-------------------------------------|---------------------------|-----------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| <input checked="" type="checkbox"/> | Christopher Stopher Slade |                 | <input checked="" type="checkbox"/> |                                     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | Nathan Mulkey             |                 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |                                     |
| <input type="checkbox"/>            |                           |                 |                                     |                                     |                                     |                                     |
| <input type="checkbox"/>            |                           |                 |                                     |                                     |                                     |                                     |

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

|                                                                                                                                                                                                                                                                 |            |                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------------------|
| Water Level: <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Low <input type="checkbox"/> High <input type="checkbox"/> Dry <input type="checkbox"/> Pooled <input type="checkbox"/> Flooded                                                |            | Meter ID# 154179             |
| Photos: No                                                                                                                                                                                                                                                      | Flow: FLOW | Tide: Tide Times: High: Low: |
| Biological Samples Collected: <input checked="" type="checkbox"/> None <input type="checkbox"/> HA <input type="checkbox"/> SCI <input type="checkbox"/> RPS <input type="checkbox"/> Algae ID <input type="checkbox"/> LVS <input type="checkbox"/> LVI Other: |            |                              |
| SBIO ID Numbers:                                                                                                                                                                                                                                                |            |                              |
| Notes:                                                                                                                                                                                                                                                          |            |                              |

## Duplicate Sample

|                      |           |                            |
|----------------------|-----------|----------------------------|
| Time Zone: CEN       | Time: N/A | Field ID: N/A (WIN ID_DUP) |
| WIN DMT Activity ID: |           |                            |

## Blank

|                |                   |                                     |
|----------------|-------------------|-------------------------------------|
| Time Zone:     | Time: N/A         | Field ID: N/A (Blank Type_DDMMYYYY) |
| DI Source: N/A | Location: N/A     |                                     |
| DI Type: N/A   | Equipment ID: N/A |                                     |

LIMS EVENT ID: WIN Import ID:

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

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



RQ-2020-11-16-42

Customer: WQAP

Project ID: SMP

Collected By: Christopher Stopher Slade, Nathan Mulkey

Field Report Prepared By: Christopher Stopher Slade

Sampling Agency: FDEP

Place Label Here

WIN ID/Field ID:



G4NW0412

Location: Jackson Creek Downstream Of Old Corry Rd.

Comments:

40 Any 11-18-20  
10:02  
CHL

Matrix: Fresh

(Check one)

☒ GRAB☐ COMPOSITE

| Date       | Time         | DO (mg/L) | DO (%SAT) | Temp. (C°) | pH   | Sample Depth (m) | Secchi Disk (m)                                    | Total Depth (m) | Sp COND (µmhos/cm) | Salinity (PPTH) |
|------------|--------------|-----------|-----------|------------|------|------------------|----------------------------------------------------|-----------------|--------------------|-----------------|
| 11/16/2020 | 09:15<br>CEN | 8.13      | 87.6      | 19.7       | 5.87 | 0.1              | 0.2<br><input checked="" type="checkbox"/> VOB (S) | 0.2             | 139.4              | 0.07            |

Central Lab please use top row for login purposes

|     |  |  |  |  |  |  |  |  |  |  |
|-----|--|--|--|--|--|--|--|--|--|--|
| CEN |  |  |  |  |  |  |  |  |  |  |
|-----|--|--|--|--|--|--|--|--|--|--|

| Parameter Suite                    | Parameter Methods                                                                                                                                                                                                                                                                                                          | Preservation                                                                       | pH Check                               | # Bottles sent to Lab | Bottle Group |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------|-----------------------|--------------|
| Preserved Nutrients (P-500ML)      | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP<br>Lot # 9354050 Exp: 12/20/20                                                                                                                                                                                                             | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4* | <input checked="" type="checkbox"/> <2 | 1                     | A            |
| Metals (P-500ML)                   | <input checked="" type="checkbox"/> W-ICPMS <input checked="" type="checkbox"/> W-ICP <input checked="" type="checkbox"/> W-HARD<br>Lot # 9354060 Exp: 12/20/20                                                                                                                                                            | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> HNO3*  | <input checked="" type="checkbox"/> <2 | 1                     | A            |
| Filtered Nutrients (P125ML)        | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter<br>Filter Lot # 17097890<br>Syringe Lot # 0079929                                                                                                                                                            | <input checked="" type="checkbox"/> Ice                                            |                                        | 1                     | A            |
| Chlorophyll (BP-1L)                | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                                                                                                                                             | <input checked="" type="checkbox"/> Ice                                            |                                        | 1                     | A            |
| Physical/Aggregate (Fresh) (P-1L)  | <input checked="" type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-IC / W-COLOR / W-SO4-IC / W-TDS                                                                                                                                                                                                            | <input checked="" type="checkbox"/> Ice                                            |                                        | 1                     | A            |
| Physical/Aggregate (Marine) (P-1L) | <input type="checkbox"/> Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                                                                                                                                                                                                                                                    | <input type="checkbox"/> Ice                                                       |                                        |                       |              |
| Macroinvertebrates (PJ-2L)         | <input type="checkbox"/> MI-FW-QLDC                                                                                                                                                                                                                                                                                        | <input type="checkbox"/> Formalin                                                  |                                        |                       |              |
| Periphyton (PT-50ML)               | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                                                                                                                                          | <input type="checkbox"/> Ice                                                       |                                        |                       |              |
| Microbiology (Contract Lab Bottle) | <input type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococci<br><input type="checkbox"/> Contract Lab                                                                                                                                                                              | <input type="checkbox"/> Ice                                                       |                                        |                       |              |
| Molecular (QPCR-P-500ML)           | <input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-DG3<br><input type="checkbox"/> PCR-GULL2 <input type="checkbox"/> PCR-GFD                                                                                                                                               | <input type="checkbox"/> Ice                                                       |                                        |                       |              |
| Tracers (BG-500ML)                 | <input checked="" type="checkbox"/> W-E8321-DI <input checked="" type="checkbox"/> W-E8321-MS                                                                                                                                                                                                                              | <input checked="" type="checkbox"/> Ice                                            |                                        | 1                     | A            |
| Pesticides (BG-500ML) (BG-1L)      | <input checked="" type="checkbox"/> W-E8321-DI <input checked="" type="checkbox"/> W-E8321-MS <input checked="" type="checkbox"/> W-PSNP-TQ <input checked="" type="checkbox"/> W-CT-CL-R<br><input checked="" type="checkbox"/> W-PCL-SQ-R <input checked="" type="checkbox"/> W-CARB-AA (5 ml of MCAA** Buffer Solution) | <input checked="" type="checkbox"/> Ice                                            |                                        | 6                     | A            |
|                                    |                                                                                                                                                                                                                                                                                                                            | <input type="checkbox"/> Ice                                                       |                                        |                       |              |

Name:  
Christopher Stopher Slade  
Nathan Mulkey

Signature:

Nathan Mulkey

Date:

11/16/2020

\*2.0 ml of Preservative used unless noted otherwise.

\*\*MCAA: Monochloroacetic acid buffer solution



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End  
of Day CCV  
Yes / No

**WIN Station Name:** Mcdavid Creek 100 M Upstream Sr99 **Date:** 11/16/2020  
**WIN/Field ID:** G5NW0150 **WBID:** 149 **ENR:** **Latitude:** 30.73974078  
**County:** ESCAMBIA **Org ID:** 21FLPNS **Longitude:** -87.44805258  
**Receiving Body of Water:** Perdido **RQ:** 2020-11-16-42

| Sampling Team Members               |                           | WQ Measurements                     | Sample Collection                   | Documentation                       | Preservation                        | Preservation Check                  |
|-------------------------------------|---------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| <input checked="" type="checkbox"/> | Christopher Stopher Slade |                                     | <input checked="" type="checkbox"/> |                                     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | Nathan Mulkey             | <input checked="" type="checkbox"/> |                                     | <input checked="" type="checkbox"/> |                                     |                                     |
| <input type="checkbox"/>            |                           |                                     |                                     |                                     |                                     |                                     |
| <input type="checkbox"/>            |                           |                                     |                                     |                                     |                                     |                                     |

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

|                                                                                                                                                                                                                                                                        |  |                   |  |              |  |                                  |  |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------|--|--------------|--|----------------------------------|--|--|--|--|--|--|--|
| <b>Water Level:</b> <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Low <input type="checkbox"/> High <input type="checkbox"/> Dry <input type="checkbox"/> Pooled <input type="checkbox"/> Flooded                                                |  |                   |  |              |  | <b>Meter ID#</b> 154179 (ProDSS) |  |  |  |  |  |  |  |
| <b>Photos:</b> NO                                                                                                                                                                                                                                                      |  | <b>Flow:</b> FLOW |  | <b>Tide:</b> |  | <b>Tide Times:</b><br>High: Low: |  |  |  |  |  |  |  |
| <b>Biological Samples Collected:</b> <input checked="" type="checkbox"/> None <input type="checkbox"/> HA <input type="checkbox"/> SCI <input type="checkbox"/> RPS <input type="checkbox"/> Algae ID <input type="checkbox"/> LVS <input type="checkbox"/> LVI Other: |  |                   |  |              |  |                                  |  |  |  |  |  |  |  |
| <b>SBIO ID Numbers:</b>                                                                                                                                                                                                                                                |  |                   |  |              |  |                                  |  |  |  |  |  |  |  |
| <b>Notes:</b>                                                                                                                                                                                                                                                          |  |                   |  |              |  |                                  |  |  |  |  |  |  |  |

## Duplicate Sample

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

## Blank

|                                  |                    |                               |                       |
|----------------------------------|--------------------|-------------------------------|-----------------------|
| <b>Time Zone:</b> CEN            | <b>Time:</b> 11:06 | <b>Field ID:</b> FB 11162020  | (Blank Type_DDMMYYYY) |
| <b>DI Source:</b> Pcola ice room |                    | <b>Location:</b> Office       |                       |
| <b>DI Type:</b> FB               |                    | <b>Equipment ID:</b> NWROC IV |                       |

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



RQ-2020-11-16-42

Customer: WQAP

Project ID: SMP

Collected By: Nathan Mulkey, Christopher Stopher Slade

Field Report Prepared By: Nathan Mulkey

Sampling Agency: FDEP

| Place Label Here                                                                                   |              |                                                                                                                                                                                                                                                                               |           |                                                                                                |      | Comments:                                                                               |                                                    |                             |                       |                |
|----------------------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------|-----------------------|----------------|
| WIN ID/Field ID:  |              |                                                                                                                                                                                                                                                                               |           |                                                                                                |      |                                                                                         |                                                    |                             |                       |                |
| G4NW0505                                                                                           |              |                                                                                                                                                                                                                                                                               |           |                                                                                                |      |                                                                                         |                                                    |                             |                       |                |
| Location: Jackson Creek Upstream Of Prieto Drive                                                   |              |                                                                                                                                                                                                                                                                               |           |                                                                                                |      |                                                                                         |                                                    |                             |                       |                |
| Matrix: Fresh                                                                                      |              |                                                                                                                                                                                                                                                                               |           |                                                                                                |      | (Check one) <input checked="" type="checkbox"/> GRAB <input type="checkbox"/> COMPOSITE |                                                    |                             |                       |                |
| Date                                                                                               | Time         | DO (mg/L)                                                                                                                                                                                                                                                                     | DO (%SAT) | Temp. (C°)                                                                                     | pH   | Sample Depth (m)                                                                        | Secchi Disk (m)                                    | Total Depth (m)             | Sp COND (µmhos/cm)    | Salinity (PPT) |
| 11/16/2020                                                                                         | 09:35<br>CEN | 9.15                                                                                                                                                                                                                                                                          | 99.3      | 19.9                                                                                           | 5.69 | 0.1                                                                                     | 0.2<br><input checked="" type="checkbox"/> VOB (S) | 0.2                         | 110                   | 0.05           |
| Central Lab please use top row for login purposes                                                  |              |                                                                                                                                                                                                                                                                               |           |                                                                                                |      |                                                                                         |                                                    |                             |                       |                |
|                                                                                                    | CEN          |                                                                                                                                                                                                                                                                               |           |                                                                                                |      |                                                                                         |                                                    |                             |                       |                |
| Parameter Suite                                                                                    |              | Parameter Methods                                                                                                                                                                                                                                                             |           |                                                                                                |      | Preservation                                                                            |                                                    | pH Check                    | # Bottles sent to Lab | Bottle Group   |
| Preserved Nutrients (P-500ML)                                                                      |              | <input type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                                                                                                                                                                                          |           |                                                                                                |      | <input type="checkbox"/> Ice <input type="checkbox"/> H2SO4*                            |                                                    | <input type="checkbox"/> <2 |                       |                |
|                                                                                                    |              | Lot #                                                                                                                                                                                                                                                                         |           | Exp:                                                                                           |      |                                                                                         |                                                    |                             |                       |                |
| Metals (P-500ML)                                                                                   |              | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP <input type="checkbox"/> W-HARD                                                                                                                                                                               |           |                                                                                                |      | <input type="checkbox"/> Ice <input type="checkbox"/> HNO3*                             |                                                    | <input type="checkbox"/> <2 |                       |                |
|                                                                                                    |              | Lot #                                                                                                                                                                                                                                                                         |           | Exp:                                                                                           |      |                                                                                         |                                                    |                             |                       |                |
| Filtered Nutrients (P125ML)                                                                        |              | <input type="checkbox"/> W-PO4-F <input type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                                                                                                       |           |                                                                                                |      | <input type="checkbox"/> Ice                                                            |                                                    |                             |                       |                |
|                                                                                                    |              | Filter Lot #                                                                                                                                                                                                                                                                  |           |                                                                                                |      |                                                                                         |                                                    |                             |                       |                |
|                                                                                                    |              | Syringe Lot #                                                                                                                                                                                                                                                                 |           |                                                                                                |      |                                                                                         |                                                    |                             |                       |                |
| Chlorophyll (BP-1L)                                                                                |              | <input type="checkbox"/> CHLSUITE-W                                                                                                                                                                                                                                           |           |                                                                                                |      | <input type="checkbox"/> Ice                                                            |                                                    |                             |                       |                |
| Physical/Aggregate (Fresh) (P-1L)                                                                  |              | <input type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS                                                                                                                                                                          |           |                                                                                                |      | <input type="checkbox"/> Ice                                                            |                                                    |                             |                       |                |
| Physical/Aggregate (Marine) (P-1L)                                                                 |              | <input type="checkbox"/> Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                                                                                                                                                                                                       |           |                                                                                                |      | <input type="checkbox"/> Ice                                                            |                                                    |                             |                       |                |
| Macroinvertebrates (PJ-2L)                                                                         |              | <input type="checkbox"/> MI-FW-QLDC                                                                                                                                                                                                                                           |           |                                                                                                |      | <input type="checkbox"/> Formalin                                                       |                                                    |                             |                       |                |
| Periphyton (PT-50ML)                                                                               |              | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                                                                                             |           |                                                                                                |      | <input type="checkbox"/> Ice                                                            |                                                    |                             |                       |                |
| Microbiology (Contract Lab Bottle)                                                                 |              | <input type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococci<br><input type="checkbox"/> Contract Lab                                                                                                                                 |           |                                                                                                |      | <input type="checkbox"/> Ice                                                            |                                                    |                             |                       |                |
| Molecular (QPCR-P-500ML)                                                                           |              | <input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-DG3<br><input type="checkbox"/> PCR-GULL2 <input type="checkbox"/> PCR-GFD <input type="checkbox"/>                                                                         |           |                                                                                                |      | <input type="checkbox"/> Ice                                                            |                                                    |                             |                       |                |
| Tracers (BG-500ML)                                                                                 |              | <input checked="" type="checkbox"/> W-E8321-DI <input checked="" type="checkbox"/> W-E8321-MS                                                                                                                                                                                 |           |                                                                                                |      | <input checked="" type="checkbox"/> Ice                                                 |                                                    |                             | 1                     | B              |
| Pesticides (BG-500ML) (BG-1L)                                                                      |              | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> WE8321-MS <input type="checkbox"/> W-PSNP-TQ <input checked="" type="checkbox"/> W-CT-CL-R<br><input checked="" type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> W-CAR8-AA (5 ml of MCAA** Buffer Solution) |           |                                                                                                |      | <input checked="" type="checkbox"/> Ice                                                 |                                                    |                             | 2                     | B              |
|                                                                                                    |              |                                                                                                                                                                                                                                                                               |           |                                                                                                |      | <input type="checkbox"/> Ice                                                            |                                                    |                             |                       |                |
| Name: Nathan Mulkey<br>Christopher Stopher Slade                                                   |              |                                                                                                                                                                                                                                                                               |           | Signature:  |      |                                                                                         |                                                    | Date: 11/16/2020            |                       |                |

\*2.0 ml of Preservative used unless noted otherwise.

\*\*MCAA: Monochloroacetic acid buffer solution



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End  
of Day CCV  
Yes / No

WIN Station Name: Jackson Creek Upstream Of Prieto Drive

Date: 11/16/2020

WIN/Field ID: G4NW0505

WBID: 846B

ENR:

Latitude: 30.40988645

County: ESCAMBIA

Org ID: 21FLPNS

Longitude: -87.2817214

Receiving Body of Water: Pensacola

RQ: 2020-11-16-42

| Sampling Team Members               |                           | WQ Measurements                     | Sample Collection                   | Documentation                       | Preservation                        | Preservation Check                  |
|-------------------------------------|---------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| <input checked="" type="checkbox"/> | Nathan Mulkey             | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |                                     |
| <input checked="" type="checkbox"/> | Christopher Stopher Slade |                                     | <input checked="" type="checkbox"/> |                                     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input type="checkbox"/>            |                           |                                     |                                     |                                     |                                     |                                     |
| <input type="checkbox"/>            |                           |                                     |                                     |                                     |                                     |                                     |

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

|                                                                                                                                                                                                                                                                 |            |                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------------------|
| Water Level: <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Low <input type="checkbox"/> High <input type="checkbox"/> Dry <input type="checkbox"/> Pooled <input type="checkbox"/> Flooded                                                |            | Meter ID# 154179 (ProDSS)    |
| Photos: No                                                                                                                                                                                                                                                      | Flow: FLOW | Tide: Tide Times: High: Low: |
| Biological Samples Collected: <input checked="" type="checkbox"/> None <input type="checkbox"/> HA <input type="checkbox"/> SCI <input type="checkbox"/> RPS <input type="checkbox"/> Algae ID <input type="checkbox"/> LVS <input type="checkbox"/> LVI Other: |            |                              |
| SBIO ID Numbers:                                                                                                                                                                                                                                                |            |                              |
| Notes:                                                                                                                                                                                                                                                          |            |                              |

## Duplicate Sample

|                      |           |                            |
|----------------------|-----------|----------------------------|
| Time Zone: CEN       | Time: N/A | Field ID: N/A (WIN ID_DUP) |
| WIN DMT Activity ID: |           |                            |

## Blank

|                |                   |                                     |
|----------------|-------------------|-------------------------------------|
| Time Zone:     | Time: N/A         | Field ID: N/A (Blank Type_DDMMYYYY) |
| DI Source: N/A | Location: N/A     |                                     |
| DI Type: N/A   | Equipment ID: N/A |                                     |

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



RQ-2020-11-16-42

Customer: WQAP

Project ID: SMP

Collected By: Christopher Stopher Slade, Nathan Mulkey

Field Report Prepared By: Christopher Stopher Slade

Sampling Agency: FDEP

| Place Label Here                                                                                   |             |                                                                                                                                                                                                                                                         |           |                                 |      | Comments: Microbiology sample(s) submitted to contract laboratory                       |                                                    |                                        |                       |                |
|----------------------------------------------------------------------------------------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------------------------|------|-----------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------|-----------------------|----------------|
| WIN ID/Field ID:  |             |                                                                                                                                                                                                                                                         |           |                                 |      | YD <i>Dunz</i> 11-18-20<br>10:02<br>CHL                                                 |                                                    |                                        |                       |                |
| Location: Mcdavid Creek 100 M Upstream Sr99                                                        |             |                                                                                                                                                                                                                                                         |           |                                 |      |                                                                                         |                                                    |                                        |                       |                |
| Matrix: Fresh                                                                                      |             |                                                                                                                                                                                                                                                         |           |                                 |      | (Check one) <input checked="" type="checkbox"/> GRAB <input type="checkbox"/> COMPOSITE |                                                    |                                        |                       |                |
| Date                                                                                               | Time        | DO (mg/L)                                                                                                                                                                                                                                               | DO (%SAT) | Temp. (C°)                      | pH   | Sample Depth (m)                                                                        | Secchi Disk (m)                                    | Total Depth (m)                        | Sp COND (µmhos/cm)    | Salinity (PPT) |
| 11/16/2020                                                                                         | 9:43<br>CEN | 8.84                                                                                                                                                                                                                                                    | 89.6      | 16.5                            | 4.65 | 0.3                                                                                     | 0.7<br><input checked="" type="checkbox"/> VOB (S) | 0.7                                    | 21.7                  | 0.01           |
| Central Lab please use top row for login purposes                                                  |             |                                                                                                                                                                                                                                                         |           |                                 |      |                                                                                         |                                                    |                                        |                       |                |
|                                                                                                    | CEN         |                                                                                                                                                                                                                                                         |           |                                 |      |                                                                                         |                                                    |                                        |                       |                |
| Parameter Suite                                                                                    |             | Parameter Methods                                                                                                                                                                                                                                       |           |                                 |      | Preservation                                                                            |                                                    | pH Check                               | # Bottles sent to Lab | Bottle Group   |
| Preserved Nutrients (P-500ML)                                                                      |             | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                                                                                                                                                         |           |                                 |      | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4*      |                                                    | <input checked="" type="checkbox"/> <2 | 1                     | C              |
|                                                                                                    |             | Lot #                                                                                                                                                                                                                                                   |           | 9354050                         |      | Exp:                                                                                    |                                                    | 12/20/20                               |                       |                |
| Metals (P-500ML)                                                                                   |             | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP <input type="checkbox"/> W-HARD                                                                                                                                                         |           |                                 |      | <input type="checkbox"/> Ice <input type="checkbox"/> HNO3*                             |                                                    | <input type="checkbox"/> <2            |                       |                |
|                                                                                                    |             | Lot #                                                                                                                                                                                                                                                   |           |                                 |      | Exp:                                                                                    |                                                    |                                        |                       |                |
| Filtered Nutrients (P125ML)                                                                        |             | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                                                           |           |                                 |      | <input checked="" type="checkbox"/> Ice                                                 |                                                    |                                        | 1                     | C              |
|                                                                                                    |             | Filter Lot #                                                                                                                                                                                                                                            |           | 17097890                        |      |                                                                                         |                                                    |                                        |                       |                |
|                                                                                                    |             | Syringe Lot #                                                                                                                                                                                                                                           |           | 0079929                         |      |                                                                                         |                                                    |                                        |                       |                |
| Chlorophyll (BP-1L)                                                                                |             | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                                                                          |           |                                 |      | <input checked="" type="checkbox"/> Ice                                                 |                                                    |                                        | 1                     | C              |
| Physical/Aggregate (Fresh) (P-1L)                                                                  |             | <input checked="" type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-SO4-IC / W-TDS                                                                                                                                           |           |                                 |      | <input checked="" type="checkbox"/> Ice                                                 |                                                    |                                        | 1                     | C              |
| Physical/Aggregate (Marine) (P-1L)                                                                 |             | <input type="checkbox"/> Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                                                                                                                                                                                 |           |                                 |      | <input type="checkbox"/> Ice                                                            |                                                    |                                        |                       |                |
| Macroinvertebrates (PJ-2L)                                                                         |             | <input type="checkbox"/> MI-FW-QLDC                                                                                                                                                                                                                     |           |                                 |      | <input type="checkbox"/> Formalin                                                       |                                                    |                                        |                       |                |
| Periphyton (PT-50ML)                                                                               |             | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                                                                       |           |                                 |      | <input type="checkbox"/> Ice                                                            |                                                    |                                        |                       |                |
| Microbiology (Contract Lab Bottle)                                                                 |             | <input checked="" type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococci<br><input checked="" type="checkbox"/> Contract Lab                                                                                     |           |                                 |      | <input checked="" type="checkbox"/> Ice                                                 |                                                    |                                        | 1                     | C              |
| Molecular (QPCR-P-500ML)                                                                           |             | <input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-DG3<br><input type="checkbox"/> PCR-GULL2 <input type="checkbox"/> PCR-GFD <input type="checkbox"/>                                                   |           |                                 |      | <input type="checkbox"/> Ice                                                            |                                                    |                                        |                       |                |
| Tracers (BG-500ML)                                                                                 |             | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> W-E8321-MS                                                                                                                                                                                 |           |                                 |      | <input type="checkbox"/> Ice                                                            |                                                    |                                        |                       |                |
| Pesticides (BG-500ML) (BG-1L)                                                                      |             | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> WE8321-MS <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-CT-CL-R<br><input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> W-CARB-AA (5 ml of MCAA** Buffer Solution) |           |                                 |      | <input type="checkbox"/> Ice                                                            |                                                    |                                        |                       |                |
|                                                                                                    |             |                                                                                                                                                                                                                                                         |           |                                 |      | <input type="checkbox"/> Ice                                                            |                                                    |                                        |                       |                |
| Name:                                                                                              |             |                                                                                                                                                                                                                                                         |           | Signature: <i>Nathan Mulkey</i> |      |                                                                                         |                                                    | Date: 11/16/20                         |                       |                |

\*2.0 ml of Preservative used unless noted otherwise.

\*\*MCAA: Monochloroacetic acid buffer solution

Contract lab submittal form. App 11-18-20.



RQ- 2020-11-16-42

Customer: WQAP

Project ID: SMP

Collected By: Christopher Stopher Slade, Nathan Mulkey

Field Report Prepared By: Christopher Stopher Slade,

Nathan Mulkey

Sampling Agency: FDEP

BLANK



Field ID: FB 11162020

Comments:

Matrix: FB

(Check one) ☐ COMPOSITE ☒ GRAB

Date

Time

DI Source: Pcola ice room

11/16/2020

11:06

EST / CST

| Parameter Suite                                  | Parameter Methods                                                                                                                                                                                                                                        | Preservation                                                                      | pH Check                    | # Bottles sent to Lab | Bottle Group |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|-----------------------|--------------|
| <b>Preserved Nutrients (P-500ML)</b>             | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP<br>Lot # _____ Exp: _____                                                                                                                                                | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4 | <input type="checkbox"/> <2 | 1                     | D            |
| <b>Metals (P-500ML)</b>                          | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP<br>Lot # _____ Exp: _____                                                                                                                                                                | <input type="checkbox"/> Ice <input type="checkbox"/> H2SO4                       | <input type="checkbox"/> <2 |                       |              |
| <b>Filtered Nutrients (P125ML)</b>               | <input checked="" type="checkbox"/> W-PO4-F Filter <input checked="" type="checkbox"/> Field Filtered 0.45 µm<br>Filter Lot # 17097890<br>Syringe Lot # 0079929                                                                                          | <input checked="" type="checkbox"/> Ice                                           |                             | 1                     | D            |
| <b>Physical/Aggregate (Fresh) (P-1L)</b>         | <input checked="" type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-IC / TDS                                                                                                                                     | <input checked="" type="checkbox"/> Ice                                           |                             | 1                     | D            |
| <b>Physical/Aggregate (Marine) (P-1L)</b>        | <input type="checkbox"/> Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                                                                                                                                                                                  | <input type="checkbox"/> Ice                                                      |                             |                       |              |
| <b>Tracers (BG-500ML)</b>                        | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> W-E8321-MS                                                                                                                                                                                  | <input type="checkbox"/> Ice                                                      |                             |                       |              |
| <b>Pesticides (BG-500ML) (BG-1L)</b>             | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> W-E8321-MS <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-CT-CL-R<br><input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> W-CARB-AA (5 ml of MCAA** Buffer Solution) | <input type="checkbox"/> Ice                                                      |                             |                       |              |
| Name: Christopher Stopher Slade<br>Nathan Mulkey |                                                                                                                                                                                                                                                          | Signature: <i>Nathan Mulkey</i>                                                   |                             | Date: 11/16/2020      |              |

\*2.0 ml of Preservative used unless noted otherwise.

\*\*MCAA: Monochloroacetic acid buffer solution

## Document Reference # 05.1.0

Laboratory: Wetlands Research Laboratory

Sampler's initials :

NA

Page 1 of 1

Date/Time: 11/16/20 11049

Date/Time: 11/16/20 1:09 PM

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]

**RQ -2020-11-16-42**

Contact name

Phone:

850 595 0426

**Sampler's name:**

Matrix examples: SW = surface water, PW = pore water, GW = ground water, FW = Freshwater, MW = Marine Water, BW = Brackish Water, S = soil/sediment, Other X =

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

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

Date of Request: 12-NOV-2020  
 Created By: KING\_M On: 12-NOV-2020  
 Modified By: JASROTIA\_P On: 13-NOV-2020  
 Customer: NW-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Northwest District  
 Event Description: Pensacola Cantonment Run

**Send Coolers To:**

Phone: 850-595-0605  
 160 Government Center  
 Suite 208  
 Pensacola, FL 32502-5794  
 Attn: Michael King  
 Cooler Ship EMail: michael.king@dep.state.fl.us

Priority: 3  
 Event Status: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 13-NOV-2020  
 Biology Request Reviewed By: JASROTIA\_P On: 13-NOV-2020  
 Sampling Kit Required: YES Ship on: 18-NOV-2020  
 Sampling Kit Shipped: YES On: 18-NOV-2020  
 Sampling Kit Packed By: KLUG\_K  
 Preservatives Needed: NO  
 Date to Receive Samples: 16-NOV-2020  
 Logged In By: SHAIK\_A On: 18-NOV-2020

**Send Final Report To:**

160 Government Center  
 Suite 208  
 Pensacola, FL 32502-5794  
 Attn: Cheryl Bunch  
 Report Notification EMail:  
 michael.king@dep.state.fl.us;cheryl.bunch@dep.state.fl.us

Comments: Group A: (WBID 846B) Metals, Tracers, Pesticides  
 Group B: (WBID 846B) W-CT-CI-R, tracers  
 Group C: (WBID149) Freshwater Kit, Contract Lab Bacteria  
 Group D: (Field Blank) Freshwater Kit

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

|                       |                      |                                                                                                                                                |
|-----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 8270E) Organochlorine pesticides, pyrethroids and tracers 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-HARD                | Template: DEFAULT    | (SM 2340B) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO <sub>3</sub>                                                    |
| Hardness              |                      |                                                                                                                                                |
| W-ICP                 | Template:            | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| Barium                |                      |                                                                                                                                                |
| Calcium               |                      |                                                                                                                                                |
| Iron                  |                      |                                                                                                                                                |
| Magnesium             |                      |                                                                                                                                                |
| Potassium             |                      |                                                                                                                                                |
| Sodium                |                      |                                                                                                                                                |
| Zinc                  |                      |                                                                                                                                                |
| W-ICPMS               | Template: DEFAULT    | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects                    |
| *Boron                |                      |                                                                                                                                                |
| Aluminum              |                      |                                                                                                                                                |

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

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

Antimony  
 Arsenic  
 Barium  
 Beryllium  
 Cadmium  
 Chromium  
 Cobalt  
 Copper  
 Lead  
 Manganese  
 Molybdenum  
 Nickel  
 Selenium  
 Silver  
 Thallium

Bottle Type: BG-1L Number of Bottles: 4 Preserved With: ICE  
 W-PSNP-TQ Template: DEFAULT (EPA 8270E) Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS

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

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

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 Group C (Water) With 1 Samples:**

Bottle Type: TEST HAS NO Number of Bottles: 1 Preserved With: ICE  
 NW-UWF-ECQ Template: DEFAULT (SM 9223 B Quanti-Tray) E. coli by Colilert-18/QT by UWF in Pensacola

Bottle Type: P-500ML Number of Bottles: 1 Preserved With: ICE And H2SO4  
 W-NH3 Template: DEFAULT (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L  
 W-NO2NO3 Template: DEFAULT (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L  
 W-S-A-TP Template: DEFAULT (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L  
 W-TKN Template: DEFAULT (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices  
 W-TOC Template: DEFAULT (SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices

Bottle Type: P-125ML Number of Bottles: 1 Preserved With: FILTER-ICE  
 W-PO4-F Template: DEFAULT (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Type: P-1L Number of Bottles: 1 Preserved With: ICE  
 ALKALINITY Template: DEFAULT (SM 2320 B-2011) 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-2011) True Color measured at 450 nm (not valid for NPDES monitoring)  
 Color (true)  
 W-F Template: DEFAULT (SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)  
 W-SO4-IC Template: DEFAULT (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices  
 W-TDS Template: DEFAULT (SM 2540 C-2011) Total Dissolved Solids in aqueous matrices  
 W-TSS Template: DEFAULT (SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Bottle Type: BP-1L Number of Bottles: 1 Preserved With: ICE  
 CHLSUITE-W Template: DEFAULT (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

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

Bottle Type: P-1L Number of Bottles: 1 Preserved With: ICE  
 ALKALINITY Template: DEFAULT (SM 2320 B-2011) Alkalinity in aqueous matrices as mg 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-2011) True Color measured at 450 nm (not valid for NPDES monitoring)  
 Color (true)

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

|                      |                   |                                                                                                        |                               |
|----------------------|-------------------|--------------------------------------------------------------------------------------------------------|-------------------------------|
| Bottle Type: P-1L    |                   | Number of Bottles: 1                                                                                   | Preserved With: ICE           |
| W-F                  | Template: DEFAULT | (SM 4500 F-C-2011) 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-2011) Total Dissolved Solids in aqueous matrices                                            |                               |
| W-TSS                | Template: DEFAULT | (SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample        |                               |
| Bottle Type: P-500ML |                   | Number of Bottles: 1                                                                                   | Preserved With: ICE And H2SO4 |
| W-NH3                | Template: DEFAULT | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                             |                               |
| W-NO2NO3             | Template: DEFAULT | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                     |                               |
| W-S-A-TP             | Template: DEFAULT | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                    |                               |
| W-TKN                | Template: DEFAULT | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                       |                               |
| W-TOC                | Template: DEFAULT | (SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices                                       |                               |
| Bottle Type: P-125ML |                   | Number of Bottles: 1                                                                                   | Preserved With: FILTER-ICE    |
| W-PO4-F              | Template: DEFAULT | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L               |                               |

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