

# Login Checklist

RQ-2023-06-05-60

Login Station ID: #4

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

Date/Time of Receipt: 06/ 8 /2023@09:04

| *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 |                    |
| 1.1                 |                 |                                        |          | 13                                    |               | X  |          |    | 585947364406       |
| -0.3                |                 |                                        |          | 10                                    |               | X  |          |    | 585947364417       |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |

## COOLER CHECK

\*All samples received on ice unless otherwise noted. HNO3 and Formalin preserved samples do NOT have a temperature requirement.

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

Chain of Custody/ Field Sheet(s) Included?

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

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

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

## 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: TL

Chlorine detected? (One container checked per Field ID)

Yes \_\_\_\_\_ No X Init: TL

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: TL

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

Yes \_\_\_\_\_ No \_\_\_\_\_ NA X Init: TL

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

Coolers Unpacked/Checked by: TL

Date: 06/ 8 /2023 Event contains NCRs (Y/N)? N

Event ID: NW-DIST-2023-06-08-01

## Login Checklist

### Login Preservation Equipment

### Lot # & Exp: Date

### Additional Comments:

|                          |                                 |
|--------------------------|---------------------------------|
| Infrared Thermometer ID: | IR TEMP GUN #4 Exp:10/17/2023   |
| pH Test Strips 0 – 6     | LOT# 223819AV Exp: AUG 30, 2023 |
| pH Paper 0 – 3           | N/A                             |
| pH Paper 0 – 13          | LOT# 207621 Exp: March 15, 2024 |
| Chlorine Test Strips     | LOT# 1196 Exp: Feb. 2024        |

### ENCORE SAMPLES

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

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

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# \_\_\_\_\_**

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
CHAIN OF CUSTODY FORM

**Date:** 6/7/2023      **Collected By:** Nathan Mulkey, Myranda Butler  
**Customer:** NW-DIST      **Sampling Agency:** FDEP  
**RQ:** RQ-2023-06-05-60      **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

**Delivery Method:** FedEx

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

| Site Location                                     | Field ID/WIN ID                                                                                  |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------|
| CHOCTAWHATCHEE RIVER UPSTREAM HWY<br>90 BOAT RAMP | <br>G3NW0052   |
| SIKES CREEK UPSTREAM OF HARRIS<br>STEVENSON RD    | <br>G3NW0450   |
| ANDERSON MILL CREEK                               | <br>G3NW0224 |
| HUCKLEBERRY CREEK                                 | <br>G3NW0135 |
| WEST SANDY CREEK ABOVE OLD LANDFILL<br>RD         | <br>G3NW0054 |

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 6/7/2023 1600  
CEN

**THIS SECTION TO BE COMPLETED BY LABORATORY**

**Rec'd/Inspected By:** TL

**Rec'd/Inspected** 6/8/23  
**Date:**



RQ-2023-06-05-60

Collected By: Nathan Mulkey, Myranda Butler

Customer: FDEP

Field Report Prepared by: Nathan Mulkey,  
Myranda Butler

Project ID: SMP

Sampling Agency: FDEP

WIN ID/Field ID:   
WIN ID/Field ID: G3NW0052Comments: Microbiology sample(s) submitted to  
contract laboratory.

Location: CHOCTAWHATCHEE RIVER UPSTREAM HWY 90 BOAT RAMP

Matrix: Fresh

(Check One)

☒ Grab☐ Composite

| Date and Time {CEN} | DO (mg/L) | DO (%SAT) | Temp. °C | pH   | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos /cm) | Salinity (PPTH) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|---------------------|-----------------|
| 6/7/2023<br>900     | 7.25      | 88.7      | 25.6     | 7.04 | 0.3              | 0.7          | 1.2             | 119                 | 0.05            |

  

| Parameter Suite                    | Parameter Methods |                                                                           |                                   |                                          | Preservation |             | pH Check |        | # Bottles sent to Lab | Bottle Group |    |   |   |
|------------------------------------|-------------------|---------------------------------------------------------------------------|-----------------------------------|------------------------------------------|--------------|-------------|----------|--------|-----------------------|--------------|----|---|---|
| Preserved Nutrients (P-500ML)      | X                 | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                               |                                   |                                          | X            | Ice         | X        | H2SO4* | <2                    | 1            | A  |   |   |
|                                    |                   | Lot #                                                                     |                                   | 3013020                                  | Exp:         | 01/25/24    |          |        |                       |              |    |   |   |
| Metals (P-500ML)                   | X                 | W-ICPMS                                                                   | X                                 | W-ICP                                    | X            | W-HARD      | X        | Ice    | X                     | HNO3*        | <2 | 1 | A |
|                                    |                   | Lot #                                                                     |                                   | 2230040                                  | Exp:         | 09/01/23    |          |        |                       |              |    |   |   |
| Filtered Nutrients (P125ML)        |                   | W-PO4-F                                                                   |                                   | Field Filtered 0.45 µm Filter            |              |             | Ice      |        |                       |              |    |   |   |
|                                    |                   | Filter Lot #                                                              |                                   | Syringe Lot #                            |              |             |          |        |                       |              |    |   |   |
| BOD (BP-1L)                        |                   | OV-BODUNIN                                                                |                                   |                                          |              |             | Ice      |        |                       |              |    |   |   |
| Chlorophyll (BP-1L)                | X                 | CHLSUITE-W                                                                |                                   |                                          |              | X           | Ice      |        |                       | 1            | A  |   |   |
| Physical/Aggregate (Fresh) (P-1L)  | X                 | Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-SO4-IC / W-TDS |                                   |                                          |              | X           | Ice      |        |                       | 1            | A  |   |   |
| Physical/Aggregate (Marine) (P-1L) |                   | Alkalinity / W-F / W-TSS / TURBIDITY                                      |                                   |                                          |              |             | Ice      |        |                       |              |    |   |   |
| Macroinvertebrates (PJ-2L)         |                   | MI-FW-QLDC                                                                |                                   | Formalin Lot #                           |              |             | Formalin |        |                       |              |    |   |   |
| Periphyton (PT-50ML)               |                   | ALGAE-ID                                                                  |                                   |                                          |              |             | Ice      |        |                       |              |    |   |   |
| Microbiology (Contract Lab Bottle) | X                 | E Coli                                                                    |                                   | F Coli                                   |              | Enterococci | x        | Ice    |                       | 1            | A  |   |   |
|                                    | X                 | Contract Lab                                                              |                                   |                                          |              |             |          |        |                       |              |    |   |   |
| Molecular (QPCR-P-500ML)           |                   | PCR-HF183                                                                 |                                   | PCR-BacR                                 |              | PCR-DG3     |          | Ice    |                       |              |    |   |   |
|                                    |                   | PCR-GULL2                                                                 |                                   | PCR-GFD                                  |              |             |          |        |                       |              |    |   |   |
| Tracers (BG-500ML)                 |                   | W-E8321-DI                                                                |                                   | W-E8321-MS                               |              |             | Ice      |        |                       |              |    |   |   |
| Pesticides (BG-500ML) (BG-1L)      | X                 | W-E8321-DI                                                                | X                                 | W-E8321-MS                               | X            | W-PSNP-TQ   | x        | Ice    | MCAA Exp.             | MCAA Lot#    | 10 | A |   |
|                                    | X                 | W-PCL-TQ-R                                                                | X                                 | W-CARB-AA (5 ml of MCAA Buffer Solution) | X            | W-CT-CL-R   |          |        |                       |              |    |   |   |
|                                    | X                 | W-TR-SQ-R                                                                 | X                                 | W-PCB-TQ-R                               |              |             |          |        |                       |              |    |   |   |
| Phytoplankton                      |                   | DTY-QN-C                                                                  |                                   | PKD-QN-BV                                |              |             | Ice      |        |                       |              |    |   |   |
| DOC                                |                   | W-DOC                                                                     |                                   | Field Filtered 0.45 µm Filter            |              |             | Ice      |        | H2SO4*                | <2           |    |   |   |
|                                    |                   |                                                                           | Acid Preservative Expiration Date |                                          |              |             |          |        |                       |              |    |   |   |
|                                    |                   |                                                                           | Acid Preservative Lot Number      |                                          |              |             |          |        |                       |              |    |   |   |



|                                                                                                                                 |                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| RQ-2023-06-05-60                                                                                                                | Collected By: Nathan Mulkey, Myranda Butler                        |
| Customer: FDEP                                                                                                                  | Field Report Prepared by: Nathan Mulkey, Myranda Butler            |
| Project ID: SMP                                                                                                                 | Sampling Agency: FDEP                                              |
| WIN ID/Field ID: <br>WIN ID/Field ID: G3NW0450 | Comments: Microbiology sample(s) submitted to contract laboratory. |

Location: SIKES CREEK UPSTREAM OF HARRIS STEVENSON RD

Matrix: Fresh

(Check One)

☒ Grab☐ Composite

| Date and Time {CEN}                | DO (mg/L)                                                                    | DO (%SAT)                                | Temp. °C                          | pH        | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos/cm)    | Salinity (PPT) |           |           |
|------------------------------------|------------------------------------------------------------------------------|------------------------------------------|-----------------------------------|-----------|------------------|--------------|-----------------|-----------------------|----------------|-----------|-----------|
| 6/7/2023<br>950                    | 0.7                                                                          | 8                                        | 21.3                              | 6.56      | 0.15             | 0.2          | 0.3             | 107.3                 | 0.05           |           |           |
| Parameter Suite                    | Parameter Methods                                                            |                                          |                                   |           | Preservation     |              | pH Check        | # Bottles sent to Lab | Bottle Group   |           |           |
| Preserved Nutrients (P-500ML)      | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                  |                                          |                                   |           | Ice H2SO4*       |              | <2              |                       |                |           |           |
|                                    | Lot #                                                                        |                                          | Exp:                              |           |                  |              |                 |                       |                |           |           |
| Metals (P-500ML)                   | x W-ICPMS                                                                    | x W-ICP                                  | x W-HARD                          | x         | Ice              | HNO3*        | <2              | 1                     | C              |           |           |
|                                    | Lot #                                                                        |                                          | 2230040                           |           | Exp: 09/01/23    |              |                 |                       |                |           |           |
| Filtered Nutrients (P125ML)        | W-PO4-F Field Filtered 0.45 µm Filter                                        |                                          |                                   |           | Ice              |              |                 |                       |                |           |           |
|                                    | Filter Lot #                                                                 | Syringe Lot #                            |                                   |           |                  |              |                 |                       |                |           |           |
| BOD (BP-1L)                        | OV-BODUNIN                                                                   |                                          |                                   |           | Ice              |              |                 |                       |                |           |           |
| Chlorophyll (BP-1L)                | CHLSUITE-W                                                                   |                                          |                                   |           | Ice              |              |                 |                       |                |           |           |
| Physical/Aggregate (Fresh) (P-1L)  | Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W- TDS |                                          |                                   |           | Ice              |              |                 |                       |                |           |           |
| Physical/Aggregate (Marine) (P-1L) | Alkalinity / W-F / W-TSS / TURBIDITY                                         |                                          |                                   |           | Ice              |              |                 |                       |                |           |           |
| Macroinvertebrates (PJ-2L)         | MI-FW-QLDC Formalin Lot #                                                    |                                          |                                   |           | Formalin         |              |                 |                       |                |           |           |
| Periphyton (PT-50ML)               | ALGAE-ID                                                                     |                                          |                                   |           | Ice              |              |                 |                       |                |           |           |
| Microbiology (Contract Lab Bottle) | x E Coli                                                                     | F Coli                                   | Enterococci                       | x         | Ice              |              |                 |                       |                | 1         | C         |
|                                    | Contract Lab                                                                 |                                          |                                   |           |                  |              |                 |                       |                |           |           |
| Molecular (QPCR-P-500ML)           | PCR-HF183                                                                    |                                          | PCR-BacR                          | PCR-DG3   | Ice              |              |                 |                       |                |           |           |
|                                    | PCR-GULL2                                                                    |                                          | PCR-GFD                           |           |                  |              |                 |                       |                |           |           |
| Tracers (BG-500ML)                 | W-E8321-DI                                                                   |                                          | W-E8321-MS                        |           | Ice              |              |                 |                       |                |           |           |
|                                    | W-E8321-DI                                                                   | W-E8321-MS                               | W-PSNP-TQ                         |           |                  |              |                 |                       |                |           |           |
| Pesticides (BG-500ML) (BG-1L)      | x W-PCL-TQ-R                                                                 | W-CARB-AA (5 ml of MCAA Buffer Solution) | x                                 | W-CT-CL-R | x                | Ice          |                 |                       |                | MCAA Exp. | MCAA Lot# |
|                                    | W-TR-SQ-R                                                                    | x                                        | W-PCB-TQ-R                        |           |                  |              |                 |                       |                |           |           |
| Phytoplankton                      | DTY-QN-C                                                                     |                                          | PKD-QN-BV                         |           | Ice              |              |                 |                       |                |           |           |
| DOC                                | W-DOC                                                                        |                                          | Field Filtered 0.45 µm Filter     |           | Ice              | H2SO4*       | <2              |                       |                |           |           |
|                                    |                                                                              |                                          | Acid Preservative Expiration Date |           |                  |              |                 |                       |                |           |           |
|                                    |                                                                              |                                          | Acid Preservative Lot Number      |           |                  |              |                 |                       |                |           |           |



|                  |                                                         |
|------------------|---------------------------------------------------------|
| RQ-2023-06-05-60 | Collected By: Nathan Mulkey, Myranda Butler             |
| Customer: FDEP   | Field Report Prepared by: Nathan Mulkey, Myranda Butler |
| Project ID: SMP  | Sampling Agency: FDEP                                   |

|                                                                                                                                 |                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| WIN ID/Field ID: <br>WIN ID/Field ID: G3NW0224 | Comments: Microbiology sample(s) submitted to contract laboratory. |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|

Location: ANDERSON MILL CREEK

Matrix: Fresh

(Check One)

☒ Grab☐ Composite

| Date and Time<br>{CEN}             | DO<br>(mg/L) | DO<br>(%SAT)                                                                 | Temp. °C                                    | pH                                | Sample<br>Depth (m)           | Secchi<br>Depth | Total<br>Depth<br>(m) | Sp COND<br>(µmhos /cm) | Salinity<br>(PPTH) |                          |                 |   |
|------------------------------------|--------------|------------------------------------------------------------------------------|---------------------------------------------|-----------------------------------|-------------------------------|-----------------|-----------------------|------------------------|--------------------|--------------------------|-----------------|---|
| 6/7/2023<br>1045                   | 8.24         | 93                                                                           | 21.3                                        | 5.33                              | 0.1                           | 0.2             | 0.2                   | 18.3                   | 0.01               |                          |                 |   |
| Parameter Suite                    |              | Parameter Methods                                                            |                                             |                                   |                               | Preservation    |                       | pH Check               |                    | # Bottles<br>sent to Lab | Bottle<br>Group |   |
| Preserved Nutrients (P-500ML)      |              | X                                                                            | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP |                                   |                               | X               | Ice                   | X                      | H2SO4*             | <2                       | 1               | D |
|                                    |              | Lot #                                                                        |                                             | 3013020                           |                               | Exp:            |                       | 01/25/24               |                    |                          |                 |   |
| Metals (P-500ML)                   |              |                                                                              | W-ICPMS                                     |                                   | W-ICP                         | W-HARD          | Ice                   |                        | HNO3*              | <2                       |                 |   |
|                                    |              | Lot #                                                                        |                                             |                                   |                               | Exp:            |                       |                        |                    |                          |                 |   |
| Filtered Nutrients (P125ML)        |              |                                                                              | W-PO4-F                                     |                                   | Field Filtered 0.45 µm Filter |                 | Ice                   |                        |                    |                          |                 |   |
|                                    |              | Filter Lot #                                                                 |                                             | Syringe Lot #                     |                               |                 |                       |                        |                    |                          |                 |   |
| BOD (BP-1L)                        |              | OV-BODUNIN                                                                   |                                             |                                   |                               | Ice             |                       |                        |                    |                          |                 |   |
| Chlorophyll (BP-1L)                |              | CHLSUITE-W                                                                   |                                             |                                   |                               | Ice             |                       |                        |                    |                          |                 |   |
| Physical/Aggregate (Fresh) (P-1L)  |              | Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TD5 |                                             |                                   |                               | Ice             |                       |                        |                    |                          |                 |   |
| Physical/Aggregate (Marine) (P-1L) |              | Alkalinity / W-F / W-TSS / TURBIDITY                                         |                                             |                                   |                               | Ice             |                       |                        |                    |                          |                 |   |
| Macroinvertebrates (PJ-2L)         |              | MI-FW-QLDC                                                                   | Formalin Lot #                              |                                   |                               | Formalin        |                       |                        |                    |                          |                 |   |
| Periphyton (PT-50ML)               |              | ALGAE-ID                                                                     |                                             |                                   |                               | Ice             |                       |                        |                    |                          |                 |   |
| Microbiology (Contract Lab Bottle) |              | X                                                                            | E Coli                                      |                                   | F Coli                        | Enterococci     | x                     |                        |                    | Ice                      | 1               | D |
|                                    |              | X                                                                            | Contract Lab                                |                                   |                               |                 |                       |                        |                    |                          |                 |   |
| Molecular (QPCR-P-500ML)           |              | PCR-HF183                                                                    |                                             | PCR-BacR                          |                               | PCR-DG3         | Ice                   |                        |                    |                          |                 |   |
|                                    |              | PCR-GULL2                                                                    |                                             | PCR-GFD                           |                               |                 |                       |                        |                    |                          |                 |   |
| Tracers (BG-500ML)                 |              | W-E8321-DI                                                                   |                                             | W-E8321-MS                        |                               | Ice             |                       |                        |                    |                          |                 |   |
| Pesticides (BG-500ML) (BG-1L)      |              | W-E8321-DI                                                                   | W-E8321-MS                                  |                                   | W-PSNP-TQ                     |                 | Ice                   | MCAA<br>Exp.           | MCAA<br>Lot#       |                          |                 |   |
|                                    |              | W-PCL-TQ-R                                                                   | W-CARB-AA (5 ml of<br>MCAA Buffer Solution) |                                   | W-CT-CL-R                     |                 |                       |                        |                    |                          |                 |   |
|                                    |              | W-TR-SQ-R                                                                    |                                             | W-PCB-TQ-R                        |                               |                 |                       |                        |                    |                          |                 |   |
| Phytoplankton                      |              | DTY-QN-C                                                                     |                                             | PKD-QN-BV                         |                               | Ice             |                       |                        |                    |                          |                 |   |
| DOC                                |              | W-DOC                                                                        |                                             | Field Filtered 0.45 µm Filter     |                               | Ice             |                       | H2SO<br>4*             | <2                 |                          |                 |   |
|                                    |              |                                                                              |                                             | Acid Preservative Expiration Date |                               |                 |                       |                        |                    |                          |                 |   |
|                                    |              |                                                                              |                                             | Acid Preservative Lot Number      |                               |                 |                       |                        |                    |                          |                 |   |



|                                                                                                                                               |                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| RQ-2023-06-05-60                                                                                                                              | <b>Collected By:</b> Nathan Mulkey, Myranda Butler                        |
| <b>Customer:</b> FDEP                                                                                                                         | <b>Field Report Prepared by:</b> Nathan Mulkey, Myranda Butler            |
| <b>Project ID:</b> SMP                                                                                                                        | <b>Sampling Agency:</b> FDEP                                              |
| <b>WIN ID/Field ID:</b> <br><b>WIN ID/Field ID:</b> G3NW0135 | <b>Comments:</b> Microbiology sample(s) submitted to contract laboratory. |

Location: HUCKLEBERRY CREEK

Matrix: Fresh

(Check One)

☒ Grab☐ Composite

| Date and Time {CEN}                | DO (mg/L)                                                                    | DO (%SAT)                                | Temp. °C  | pH          | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos/cm)    | Salinity (PPTH) |
|------------------------------------|------------------------------------------------------------------------------|------------------------------------------|-----------|-------------|------------------|--------------|-----------------|-----------------------|-----------------|
| 6/7/2023<br>1105                   | 7.1                                                                          | 80.6                                     | 21.6      | 6.15        | 0.05             | 0.1          | 0.1             | 31.3                  | 0.01            |
| Parameter Suite                    | Parameter Methods                                                            |                                          |           |             | Preservation     |              | pH Check        | # Bottles sent to Lab | Bottle Group    |
| Preserved Nutrients (P-500ML)      | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                  |                                          |           |             | Ice H2SO4*       |              | <2              |                       |                 |
|                                    | Lot #                                                                        |                                          | Exp:      |             |                  |              |                 |                       |                 |
| Metals (P-500ML)                   | x W-ICPMS                                                                    | x W-ICP                                  | x W-HARD  | x           | Ice              | x HNO3*      | <2              | 1                     | B               |
|                                    | Lot #                                                                        |                                          | 2230040   |             | Exp: 09/01/23    |              |                 |                       |                 |
| Filtered Nutrients (P125ML)        | W-PO4-F Field Filtered 0.45 um Filter                                        |                                          |           |             | Ice              |              |                 |                       |                 |
|                                    | Filter Lot #                                                                 | Syringe Lot #                            |           |             |                  |              |                 |                       |                 |
| BOD (BP-1L)                        | OV-BODUNIN                                                                   |                                          |           |             | Ice              |              |                 |                       |                 |
| Chlorophyll (BP-1L)                | CHLSUITE-W                                                                   |                                          |           |             | Ice              |              |                 |                       |                 |
| Physical/Aggregate (Fresh) (P-1L)  | Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W- TDS |                                          |           |             | Ice              |              |                 |                       |                 |
| Physical/Aggregate (Marine) (P-1L) | Alkalinity / W-F / W-TSS / TURBIDITY                                         |                                          |           |             | Ice              |              |                 |                       |                 |
| Macroinvertebrates (PJ-2L)         | MI-FW-QLDC Formalin Lot #                                                    |                                          |           |             | Formalin         |              |                 |                       |                 |
| Periphyton (PT-50ML)               | ALGAE-ID                                                                     |                                          |           |             | Ice              |              |                 |                       |                 |
| Microbiology (Contract Lab Bottle) | x E Coli                                                                     | F Coli                                   |           | Enterococci | x                | Ice          |                 | 1                     | B               |
|                                    | Contract Lab                                                                 |                                          |           |             |                  |              |                 |                       |                 |
| Molecular (QPCR-P-500ML)           | x PCR-HF183                                                                  | x PCR-BacR                               | x PCR-DG3 | x           | Ice              |              | 1               | B                     |                 |
|                                    | PCR-GULL2 PCR-GFD                                                            |                                          |           |             |                  |              |                 |                       |                 |
| Tracers (BG-500ML)                 | x W-E8321-DI                                                                 | x W-E8321-MS                             |           | x           | Ice              |              | 1               | B                     |                 |
| Pesticides (BG-500ML) (BG-1L)      | W-E8321-DI                                                                   | W-E8321-MS                               |           | W-PSNP-TQ   | Ice              | MCAA Exp.    | MCAA Lot#       |                       |                 |
|                                    | W-PCL-TQ-R                                                                   | W-CARB-AA (5 ml of MCAA Buffer Solution) |           | W-CT-CL-R   |                  |              |                 |                       |                 |
|                                    | W-TR-SQ-R                                                                    | W-PCB-TQ-R                               |           |             |                  |              |                 |                       |                 |
| Phytoplankton                      | DTY-QN-C                                                                     |                                          | PKD-QN-BV |             | Ice              |              |                 |                       |                 |
| DOC                                | W-DOC                                                                        | Field Filtered 0.45 um Filter            |           |             | Ice              | H2SO4*       | <2              |                       |                 |
|                                    |                                                                              | Acid Preservative Expiration Date        |           |             |                  |              |                 |                       |                 |
|                                    |                                                                              | Acid Preservative Lot Number             |           |             |                  |              |                 |                       |                 |



|                                                                                                                                               |                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| RQ-2023-06-05-60                                                                                                                              | <b>Collected By:</b> Nathan Mulkey, Myranda Butler                        |
| <b>Customer:</b> FDEP                                                                                                                         | <b>Field Report Prepared by:</b> Nathan Mulkey, Myranda Butler            |
| <b>Project ID:</b> SMP                                                                                                                        | <b>Sampling Agency:</b> FDEP                                              |
| <b>WIN ID/Field ID:</b> <br><b>WIN ID/Field ID:</b> G3NW0054 | <b>Comments:</b> Microbiology sample(s) submitted to contract laboratory. |

**Location:** WEST SANDY CREEK ABOVE OLD LANDFILL RD

Matrix: Fresh (Check One) ☒ Grab ☐ Composite

| Date and Time {CEN} | DO (mg/L) | DO (%SAT) | Temp. °C | pH   | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos /cm) | Salinity (PPT) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|---------------------|----------------|
| 6/7/2023 1130       | 7.44      | 86.3      | 22.8     | 6.21 | 0.1              | 0.2          | 0.2             | 24.6                | 0.01           |

  

| Parameter Suite                    | Parameter Methods                                                           |                                          | Preservation | pH Check | # Bottles sent to Lab | Bottle Group |   |   |
|------------------------------------|-----------------------------------------------------------------------------|------------------------------------------|--------------|----------|-----------------------|--------------|---|---|
| Preserved Nutrients (P-500ML)      | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                 |                                          | Ice          | H2SO4*   | <2                    |              |   |   |
|                                    | Lot #                                                                       | Exp:                                     |              |          |                       |              |   |   |
| Metals (P-500ML)                   | W-ICPMS                                                                     | W-ICP                                    | W-HARD       | Ice      | HNO3*                 | <2           |   |   |
|                                    | Lot #                                                                       | Exp:                                     |              |          |                       |              |   |   |
| Filtered Nutrients (P125ML)        | W-PO4-F                                                                     | Field Filtered 0.45 µm Filter            |              | Ice      |                       |              |   |   |
|                                    | Filter Lot #                                                                | Syringe Lot #                            |              |          |                       |              |   |   |
| BOD (BP-1L)                        | OV-BODUNIN                                                                  |                                          | Ice          |          |                       |              |   |   |
| Chlorophyll (BP-1L)                | CHLSUITE-W                                                                  |                                          | Ice          |          |                       |              |   |   |
| Physical/Aggregate (Fresh) (P-1L)  | Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS |                                          | Ice          |          |                       |              |   |   |
| Physical/Aggregate (Marine) (P-1L) | Alkalinity / W-F / W-TSS / TURBIDITY                                        |                                          | Ice          |          |                       |              |   |   |
| Macroinvertebrates (PJ-2L)         | MI-FW-QLDC                                                                  | Formalin Lot #                           | Formalin     |          |                       |              |   |   |
| Periphyton (PT-50ML)               | ALGAE-ID                                                                    |                                          | Ice          |          |                       |              |   |   |
| Microbiology (Contract Lab Bottle) | X E Coli                                                                    | F Coli                                   | Enterococci  | x Ice    |                       |              | 1 | E |
|                                    | X Contract Lab                                                              |                                          |              |          |                       |              |   |   |
| Molecular (QPCR-P-500ML)           | PCR-HF183                                                                   | PCR-BacR                                 | PCR-DG3      | Ice      |                       |              |   |   |
|                                    | PCR-GULL2                                                                   | PCR-GFD                                  |              |          |                       |              |   |   |
| Tracers (BG-500ML)                 | W-E8321-DI                                                                  | W-E8321-MS                               |              | Ice      |                       |              |   |   |
| Pesticides (BG-500ML) (BG-1L)      | W-E8321-DI                                                                  | W-E8321-MS                               | W-PSNP-TQ    | Ice      | MCAA Exp.             | MCAA Lot#    |   |   |
|                                    | W-PCL-TQ-R                                                                  | W-CARB-AA (5 ml of MCAA Buffer Solution) | W-CT-CL-R    |          |                       |              |   |   |
|                                    | W-TR-SQ-R                                                                   | W-PCB-TQ-R                               |              |          |                       |              |   |   |
| Phytoplankton                      | DTY-QN-C                                                                    | PKD-QN-BV                                |              | Ice      |                       |              |   |   |
| DOC                                | W-DOC                                                                       | Field Filtered 0.45 µm Filter            |              | Ice      | H2SO4*                | <2           |   |   |
|                                    |                                                                             | Acid Preservative Expiration Date        |              |          |                       |              |   |   |
|                                    |                                                                             | Acid Preservative Lot Number             |              |          |                       |              |   |   |

Sampler's initials: MM JMD

Page 1 of 1

Date/Time: 6/7/23 1308

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Comments: Sample Container lot# 21347 PO # C01214  
Surface water, no chlorine expected

**RQ - 2023--06-05-60**

Contact organization FDEP

**Contact name: Stophher Slade**

Phone: 850-595-8300

Address 160 Governmental Center, suite 308, Pensacola, FL 32502

Address 160 Governmental Center, suite 308, Pensacola, FL 32502  
 Sampler's name: N. Marken  
 Matrix examples: SW = surface water, PW = pore water, GW = ground water, FW = Freshwater, MW = Marine Water, BW = Brackish Water, S = soft sediment, Other X =

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



Date of Request: 18-MAY-2023  
 Created By: SLADE\_C On: 18-MAY-2023  
 Modified By: JASROTIA\_P On: 24-MAY-2023  
 Customer: NW-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Northwest District  
 Event Description: Holmes Run

**Send Coolers To:**

Phone: 850-595-0567  
 160 W Government Street  
 Suite 208  
 Pensacola, FL 32502-5794  
 Attn: Stopher Slade  
 Cooler Ship EMail: Christopher.slade@FloridaDEP.gov

Priority: 3  
 Event Status: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: AYRES\_J On: 24-MAY-2023  
 Biology Request Reviewed By: JASROTIA\_P On: 24-MAY-2023  
 Sampling Kit Required: YES Ship on: 31-MAY-2023  
 Sampling Kit Shipped: YES On: 30-MAY-2023  
 Sampling Kit Packed By: SHAIK\_A  
 Preservatives Needed: YES  
 Date to Receive Samples: 05-JUN-2023  
 Logged In By: LEBRUN\_T On: 08-JUN-2023

**Send Final Report To:**

160 W Government Street  
 Suite 208  
 Pensacola, FL 32502-5794  
 Attn: Myranda K Butler  
 Report Notification EMail:  
 Christopher.Slade@FloridaDEP.gov;myranda.k.butler@dep.state.fl.us

Comments: Group A: (WBID 49) Nutrients, Metals, Pesticides, Contract Lab Bacteria  
 Group B: (WBID 246) Metals, Tracers, Markers, Contract Lab Bacteria  
 Group C: (WBID 142) Metals, Limited Pesticides, Contract Lab Bacteria  
 Group D: (WBID 226A) Nutrients, Contract Lab Bacteria  
 Group E: (WBID 269) Contract Lab Bacteria

#####

Buffer Solution for W-CARB-AA Bottle Needed

#####

Packing notes;

FedEx return packing slips

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

| Bottle Type: P-1L     | Number of Bottles: 1 | Preserved With: ICE                                                                                     |
|-----------------------|----------------------|---------------------------------------------------------------------------------------------------------|
| ALKALINITY            | Template: DEFAULT    | (SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO <sub>3</sub> /L                              |
| TURBIDITY             | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                      |
| W-CL-IC               | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                       |
| W-COLOR               | Template: DEFAULT    | (DEP SOP: NU-094-1) True Color measured at 450 nm (not valid for NPDES monitoring)                      |
| Color (true)          |                      |                                                                                                         |
| W-F                   | Template: DEFAULT    | (SM 4500-F- C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring) |
| W-SO <sub>4</sub> -IC | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                        |
| W-TDS                 | Template: DEFAULT    | (SM 2540 C-2015) Total Dissolved Solids in aqueous matrices                                             |
| W-TSS                 | Template: DEFAULT    | (SM 2540 D-2015) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample         |

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

|                               |                      |                                                                                                                                                |
|-------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: BP-1L            | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| CHLSUITE-W                    | Template: DEFAULT    | (SM 10150 B) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                                          |
| 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: BG-500ML         | Number of Bottles: 1 | Preserved With: CH2ClCOOH and Ice                                                                                                              |
| W-CARB-AA                     | Template: DEFAULT    | (EPA 8321B) Carbamates in water matrices by HPLC/MS/MS                                                                                         |
| Bottle Type: BG-500ML FILL TO | Number of Bottles: 4 | Preserved With: ICE                                                                                                                            |
| W-CT-CI-R                     | Template: DEFAULT    | (EPA 8276) Chlordane and Toxaphene in water matrices by GC/MS with Negative Chemical Ionization                                                |
| W-PCB-TQ-R                    | Template: DEFAULT    | (EPA 8270E) PCBs in water matrices by GC/MS/MS                                                                                                 |
| W-PCL-TQ-R                    | Template:            | (EPA 8270E) Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS                                                   |
| 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: SMP        | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                        |
| Bottle Type: P-500ML          | Number of Bottles: 1 | Preserved With: HNO3                                                                                                                           |
| W-HARD                        | Template: DEFAULT    | (SM 2340 B-2011) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3                                                          |
| Hardness                      |                      |                                                                                                                                                |
| W-ICP                         | Template: SMP-FRESH  | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| Calcium                       |                      |                                                                                                                                                |
| Iron                          |                      |                                                                                                                                                |
| Magnesium                     |                      |                                                                                                                                                |
| Potassium                     |                      |                                                                                                                                                |
| Sodium                        |                      |                                                                                                                                                |
| Strontium                     |                      |                                                                                                                                                |
| Tin                           |                      |                                                                                                                                                |
| Titanium                      |                      |                                                                                                                                                |
| Vanadium                      |                      |                                                                                                                                                |
| 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                    |
| Aluminum                      |                      |                                                                                                                                                |
| Antimony                      |                      |                                                                                                                                                |
| Arsenic                       |                      |                                                                                                                                                |
| Barium                        |                      |                                                                                                                                                |
| Beryllium                     |                      |                                                                                                                                                |
| Boron                         |                      |                                                                                                                                                |
| Cadmium                       |                      |                                                                                                                                                |
| Chromium                      |                      |                                                                                                                                                |
| Cobalt                        |                      |                                                                                                                                                |
| Copper                        |                      |                                                                                                                                                |
| Lead                          |                      |                                                                                                                                                |
| Manganese                     |                      |                                                                                                                                                |
| Molybdenum                    |                      |                                                                                                                                                |
| Nickel                        |                      |                                                                                                                                                |
| Selenium                      |                      |                                                                                                                                                |
| Silver                        |                      |                                                                                                                                                |
| Thallium                      |                      |                                                                                                                                                |

|                       |                      |                                                                                        |
|-----------------------|----------------------|----------------------------------------------------------------------------------------|
| Bottle Type: P-500ML  | Number of Bottles: 1 | Preserved With: ICE And H2SO4                                                          |
| W-NH3                 | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                             |
| W-NO2NO3              | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                     |
| W-S-A-TP              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                    |
| W-TKN                 | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                       |
| W-TOC                 | Template: DEFAULT    | (SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices                       |
| Bottle Type: BG-500ML | 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     |
| W-TR-SQ-R             | Template: DEFAULT    | (EPA 8270E) Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM |

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

|                           |                     |                                                                                                                                                |                      |
|---------------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Bottle Type: QPCR-P-500ML |                     | Number of Bottles: 1                                                                                                                           | Preserved With: ICE  |
| PCR-BACR                  | Template: DEFAULT   | (SOP-PCR-1.4) Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction  |                      |
| PCR-DG3                   | Template: DEFAULT   | (SOP-PCR-1.5) Detection and quantification of canine-specific DG3 Bacteroides genetic marker with quantitative polymerase chain reaction       |                      |
| PCR-HF183                 | Template: DEFAULT   | (SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction      |                      |
| 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: SMP       | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                        |                      |
| Bottle Type: P-500ML      |                     | Number of Bottles: 1                                                                                                                           | Preserved With: HNO3 |
| W-HARD                    | Template: DEFAULT   | (SM 2340 B-2011) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3                                                          |                      |
| Hardness                  |                     |                                                                                                                                                |                      |
| W-ICP                     | Template: SMP-FRESH | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |                      |
| Calcium                   |                     |                                                                                                                                                |                      |
| Iron                      |                     |                                                                                                                                                |                      |
| Magnesium                 |                     |                                                                                                                                                |                      |
| Potassium                 |                     |                                                                                                                                                |                      |
| Sodium                    |                     |                                                                                                                                                |                      |
| Strontium                 |                     |                                                                                                                                                |                      |
| Tin                       |                     |                                                                                                                                                |                      |
| Titanium                  |                     |                                                                                                                                                |                      |
| Vanadium                  |                     |                                                                                                                                                |                      |
| 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                    |                      |
| Aluminum                  |                     |                                                                                                                                                |                      |
| Antimony                  |                     |                                                                                                                                                |                      |
| Arsenic                   |                     |                                                                                                                                                |                      |
| Barium                    |                     |                                                                                                                                                |                      |
| Beryllium                 |                     |                                                                                                                                                |                      |
| Boron                     |                     |                                                                                                                                                |                      |
| Cadmium                   |                     |                                                                                                                                                |                      |
| Chromium                  |                     |                                                                                                                                                |                      |
| Cobalt                    |                     |                                                                                                                                                |                      |
| Copper                    |                     |                                                                                                                                                |                      |
| Lead                      |                     |                                                                                                                                                |                      |
| Manganese                 |                     |                                                                                                                                                |                      |
| Molybdenum                |                     |                                                                                                                                                |                      |
| Nickel                    |                     |                                                                                                                                                |                      |
| Selenium                  |                     |                                                                                                                                                |                      |
| Silver                    |                     |                                                                                                                                                |                      |
| Thallium                  |                     |                                                                                                                                                |                      |

**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: BG-500ML FILL TO |                     | Number of Bottles: 2                                                                                                                           | Preserved With: ICE  |
| W-CT-CI-R                     | Template: DEFAULT   | (EPA 8276) Chlordane and Toxaphene in water matrices by GC/MS with Negative Chemical Ionization                                                |                      |
| W-PCB-TQ-R                    | Template: DEFAULT   | (EPA 8270E) PCBs in water matrices by GC/MS/MS                                                                                                 |                      |
| W-PCL-TQ-R                    | Template: DEFAULT   | (EPA 8270E) Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS                                                   |                      |
| Bottle Type: P-500ML          |                     | Number of Bottles: 1                                                                                                                           | Preserved With: HNO3 |
| W-HARD                        | Template: DEFAULT   | (SM 2340 B-2011) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3                                                          |                      |
| Hardness                      |                     |                                                                                                                                                |                      |
| W-ICP                         | Template: SMP-FRESH | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |                      |
| Calcium                       |                     |                                                                                                                                                |                      |
| Iron                          |                     |                                                                                                                                                |                      |
| Magnesium                     |                     |                                                                                                                                                |                      |
| Potassium                     |                     |                                                                                                                                                |                      |

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

|                      |                      |                                                                                                                                                |
|----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 1 | Preserved With: HNO3                                                                                                                           |
| W-ICP                | Template: SMP-FRESH  | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| Sodium               |                      |                                                                                                                                                |
| Strontium            |                      |                                                                                                                                                |
| Tin                  |                      |                                                                                                                                                |
| Titanium             |                      |                                                                                                                                                |
| Vanadium             |                      |                                                                                                                                                |
| 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                    |
| Aluminum             |                      |                                                                                                                                                |
| Antimony             |                      |                                                                                                                                                |
| Arsenic              |                      |                                                                                                                                                |
| Barium               |                      |                                                                                                                                                |
| Beryllium            |                      |                                                                                                                                                |
| Boron                |                      |                                                                                                                                                |
| Cadmium              |                      |                                                                                                                                                |
| Chromium             |                      |                                                                                                                                                |
| Cobalt               |                      |                                                                                                                                                |
| Copper               |                      |                                                                                                                                                |
| Lead                 |                      |                                                                                                                                                |
| Manganese            |                      |                                                                                                                                                |
| Molybdenum           |                      |                                                                                                                                                |
| Nickel               |                      |                                                                                                                                                |
| Selenium             |                      |                                                                                                                                                |
| Silver               |                      |                                                                                                                                                |
| Thallium             |                      |                                                                                                                                                |

**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    | (DEP SOP: NU-094-1) 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-2015) Total Dissolved Solids in aqueous matrices                                             |
| W-TSS                    | Template: DEFAULT    | (SM 2540 D-2015) 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 10150 B) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry   |
| 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 Group E (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 |

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