

RQ- 2022-08-15-27

## Login Checklist

Login Station ID: #5

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 08/17/2022 9:28

| *Cooler Temperature | Samples Frozen?<br>YES | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |    |          |    | Waybill Tracking # |
|---------------------|------------------------|----------------------------------------|----------|---------------------------------------|---------------|----|----------|----|--------------------|
|                     |                        | HNO <sub>3</sub>                       | Formalin |                                       | Present?      |    | *Intact? |    |                    |
|                     |                        |                                        |          |                                       | Yes           | No | Yes      | No |                    |
| 2.6                 |                        |                                        |          | 10                                    |               | /  |          |    | 5859 4927 7826     |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |

## COOLER CHECK

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

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

Chain of Custody/ Field Sheet(s) Included?

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

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

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

## CONTAINER CHECK

Evidence Tape on Bottles?

Yes \_\_\_\_\_ No \_\_\_\_\_ NA /

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

If Criminal, photographs taken?

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

Containers intact? Yes / No \_\_\_\_\_

Caps on tight?

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

Sufficient Sample Volume:

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

Init: GG /gg

Chlorine detected? (One container checked per Field ID)

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

Init: GG /gg

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 &lt; 2.0?

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

NA \_\_\_\_\_

Init: GG /gg

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

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

NA /

Init: GG /gg

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

Coolers Unpacked/Checked by: GG /gg

Date: 08/17/2022

Event contains NCRs (Y/N)? N

Event ID: NW-DIST-2022-08-17-04

## Login Checklist

### Login Preservation Equipment

### Lot # & Exp: Date

### Additional Comments:

|                          |                              |
|--------------------------|------------------------------|
| Infrared Thermometer ID: | IR TEMP GUN #5 Exp: 10/19/22 |
| pH Test Strips 0 – 6     |                              |
| pH Paper 0 – 3           |                              |
| pH Paper 0 – 13          | 210620 Exp: 4/15/23          |
| Chlorine Test Strips     | 0070, 02/23                  |

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

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

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

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

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
CHAIN OF CUSTODY FORM

**Date:** 8/16/2022 **Collected By:** Brook Olin, C. Stopher Slade  
**Customer:** NW-DIST **Sampling Agency:** FDEP  
**RQ:** RQ-2022-08-15-27 **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:** 1 **Delivery Method:** FedEx

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

| Site Location                                               | Field ID/WIN ID                                                                                     |
|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Alaqua Creek at Park boat ramp                              | <br>G3NW0163      |
| Alaqua Creek below Portland Park                            | <br>G3NW0443     |
| Alaqua Bayou Center                                         | <br>G3NW0180    |
| Boggy Bayou at Lincoln Park, Okaloosa County (also 21FLDOH) | <br>OKALOOSA355 |
| Boggy Bayou Mouth                                           | <br>G3NW0186    |
| Basin Bayou North End                                       | <br>G3NW0102    |
| Rocky Bayou Fred Gannon State Park                          | <br>G3NW0230    |

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 8/16/2022  
1600 CEN

**THIS SECTION TO BE COMPLETED BY LABORATORY**

Rec'd/Inspected By:

gg

Rec'd/Inspected

Date:

08/17/22



|                                                                                                                                 |                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| RQ-2022-08-15-27                                                                                                                | Collected By: Brook Olin, C. Stopher Slade                         |
| Customer: FDEP                                                                                                                  | Field Report Prepared by: Brook Olin, C. Stopher Slade             |
| Project ID: SMP                                                                                                                 | Sampling Agency: FDEP                                              |
| WIN ID/Field ID: <br>WIN ID/Field ID: G3NW0163 | Comments: Microbiology sample(s) submitted to contract laboratory. |

**Location:**

Location: Alaqua Creek at Park 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 (PPT) |   |   |
|------------------------------------|---------------------------------------------------------------------------|------------------------------------------|----------|-----------|------------------|--------------|-----------------|-----------------------|----------------|---|---|
| 8/16/2022<br>933                   | 6.46                                                                      | 78.6                                     | 25.1     | 5.07      | 0.3              | 1.3          | 3.5             | 31                    | 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-CHC / 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) | E Coli F Coli X 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 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              |              |                 |                       |                |   |   |



|                  |                                                        |
|------------------|--------------------------------------------------------|
| RQ-2022-08-15-27 | Collected By: Brook Olin, C. Stopher Slade             |
| Customer: FDEP   | Field Report Prepared by: Brook Olin, C. Stopher Slade |
| Project ID: SMP  | Sampling Agency: FDEP                                  |

WIN ID/Field ID:



WIN ID/Field ID: G3NW0443

Comments: Microbiology sample(s) submitted to contract laboratory.

Location:

Location: Alaqua Creek below Portland Park

Matrix: Fresh

(Check One)

☒ Grab☐ Composite

| Date and Time {CEN}                | DO (mg/L) | DO (%SAT)                                                                   | Temp. ©                                  | pH                            | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos /cm) | Salinity (PPT <sub>h</sub> ) |              |   |
|------------------------------------|-----------|-----------------------------------------------------------------------------|------------------------------------------|-------------------------------|------------------|--------------|-----------------|---------------------|------------------------------|--------------|---|
| 8/16/2022 1010                     | 6.02      | 74                                                                          | 25.8                                     | 7.22                          | 0.3              | 1.1          | 4.7             | 1735                | 0.9                          |              |   |
| 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) |           | E Coli                                                                      |                                          | F Coli                        | X                | 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 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          |                 |                     |                              |              |   |



|                                                                                                                                 |                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| RQ-2022-08-15-27                                                                                                                | Collected By: Brook Olin, C. Stopher Slade                         |
| Customer: FDEP                                                                                                                  | Field Report Prepared by: Brook Olin, C. Stopher Slade             |
| Project ID: SMP                                                                                                                 | Sampling Agency: FDEP                                              |
| WIN ID/Field ID: <br>WIN ID/Field ID: G3NW0180 | Comments: Microbiology sample(s) submitted to contract laboratory. |

**Location:**  
Location: Alaqua Bayou Center

Matrix: Marine

(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) |           |    |   |
|------------------------------------|-------------------|----------------------------------------------------------------------------|----------------|------------------------------------------|------------------|--------------|-----------------|-----------------------|----------------|-----------|----|---|
| 8/16/2022 1032                     | 6.56              | 88.7                                                                       | 29.2           | 7.07                                     | 0.3              | 1.1          | 1.3             | 11586                 | 6.47           |           |    |   |
| 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*                | X              | <2        | 1  | A |
|                                    |                   | Lot #                                                                      |                | 2145160                                  | Exp:             | 6/02/2023    |                 |                       |                |           |    |   |
| 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)                | X                 | CHLSUITE-W                                                                 |                |                                          |                  | X            | Ice             |                       |                | 1         | A  |   |
| Physical/Aggregate (Fresh) (P-1L)  |                   | Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-SO4-IC / W- TDS |                |                                          |                  |              | Ice             |                       |                |           |    |   |
| Physical/Aggregate (Marine) (P-1L) | X                 | Alkalinity / W-F / W-TSS / TURBIDITY                                       |                |                                          |                  | X            | Ice             |                       |                | 1         | A  |   |
| Macroinvertebrates (PJ-2L)         |                   | MI-FW-QLDC                                                                 | Formalin Lot # |                                          |                  |              | Formalin        |                       |                |           |    |   |
| Periphyton (PT-50ML)               |                   | ALGAE-ID                                                                   |                |                                          |                  |              | Ice             |                       |                |           |    |   |
| Microbiology (Contract Lab Bottle) |                   | E Coli                                                                     |                | F Coli                                   | X                | 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)      |                   | W-E8321-DI                                                                 |                | W-E8321-MS                               |                  | W-PSNP-TQ    |                 | Ice                   | MCAA Exp.      | MCAA Lot# |    |   |
|                                    |                   | W-PCL-TQ-R                                                                 |                | W-CAR8-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                   |                |           |    |   |



RQ-2022-08-15-27

Collected By: Brook Olin, C. Stopher Slade

Customer: FDEP

Field Report Prepared by: Brook Olin, C. Stopher Slade

Project ID: SMP

Sampling Agency: FDEP

WIN ID/Field ID:



Comments: Microbiology sample(s) submitted to contract laboratory.

WIN ID/Field ID: OKALOOSA355

Location:

Location: Boggy Bayou at Lincoln Park, Okaloosa County (also 21FLDOH)

Matrix: Marine

(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) |
|---------------------|-----------|-----------|----------|-----|------------------|--------------|-----------------|---------------------|----------------|
| 8/16/2022 1237      | 6.64      | 96.3      | 32.2     | 7.6 | 0.3              |              | 0.9             | 21397               | 11.23          |

  

| 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 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) | E Coli                                                                       | F Coli      X      Enterococci           | X Ice           |          |                       |              | 1 | B |
|                                    | X 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             |          |                       |              |   |   |



|                                                                                                                                 |                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| RQ-2022-08-15-27                                                                                                                | Collected By: C. Stopher Slade, Brook Olin                         |
| Customer: FDEP                                                                                                                  | Field Report Prepared by: C. Stopher Slade, Brook Olin             |
| Project ID: SMP                                                                                                                 | Sampling Agency: FDEP                                              |
| WIN ID/Field ID: <br>WIN ID/Field ID: G3NW0186 | Comments: Microbiology sample(s) submitted to contract laboratory. |

**Location:**  
**Location:** Boggy Bayou Mouth

Matrix: Marine

(Check One)

☒ Grab

☐ Composite

| Date and Time {CEN} | DO (mg/L) | DO (%SAT) | Temp. © | pH   | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos /cm) | Salinity (PPT) |
|---------------------|-----------|-----------|---------|------|------------------|--------------|-----------------|---------------------|----------------|
| 8/16/2022 1302      | 6.84      | 102.5     | 31.3    | 7.96 | 0.3              | 2.7          | 6.5             | 31466               | 19.08          |

| 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<br><div>Lot # 2145160 Exp: 6/2/2023</div>                                  | X Ice X H2SO4*          | <2       | 1                     | A            |
| Metals (P-500ML)                   | W-ICPMS W-ICP W-HARD<br><div>Lot # Exp:</div>                                                                            | Ice HNO3*               | <2       |                       |              |
| Filtered Nutrients (P125ML)        | W-PO4-F Field Filtered 0.45 µm Filter<br><div>Filter Lot # Syringe Lot #</div>                                           | Ice                     |          |                       |              |
| BOD (BP-1L)                        | OV-BODUNIN                                                                                                               | Ice                     |          |                       |              |
| Chlorophyll (BP-1L)                | X CHLSUITE-W                                                                                                             | X Ice                   |          | 1                     | A            |
| Physical/Aggregate (Fresh) (P-1L)  | Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-SO4-IC / W- TDS                                               | Ice                     |          |                       |              |
| Physical/Aggregate (Marine) (P-1L) | X Alkalinity / W-F / W-TSS / TURBIDITY                                                                                   | X Ice                   |          | 1                     | A            |
| Macroinvertebrates (PJ-2L)         | MI-FW-QLDC Formalin Lot #                                                                                                | Formalin                |          |                       |              |
| Periphyton (PT-50ML)               | ALGAE-ID                                                                                                                 | Ice                     |          |                       |              |
| Microbiology (Contract Lab Bottle) | E Coli F Coli X Enterococci<br>X Contract Lab                                                                            | X Ice                   |          | 1                     | A            |
| Molecular (QPCR-P-500ML)           | PCR-HF183 PCR-BacR PCR-DG3<br>PCR-GULL2 PCR-GFD                                                                          | Ice                     |          |                       |              |
| Tracers (BG-500ML)                 | W-E8321-DI W-E8321-MS                                                                                                    | Ice                     |          |                       |              |
| Pesticides (BG-500ML) (BG-1L)      | W-E8321-DI W-E8321-MS W-PSNP-TQ<br>W-PCL-TQ-R W-CARB-AA (5 ml of MCAA Buffer Solution) W-CT-CL-R<br>W-TR-SQ-R W-PCB-TQ-R | Ice MCAA Exp. MCAA Lot# |          |                       |              |
| Phytoplankton                      | DTY-QN-C PKD-QN-BV                                                                                                       | Ice                     |          |                       |              |



RQ-2022-08-15-27

Collected By: Brook Olin, C. Stopher Slade

Customer: FDEP

Field Report Prepared by: Brook Olin, C. Stopher Slade

Project ID: SMP

Sampling Agency: FDEP

WIN ID/Field ID:



Comments: Microbiology sample(s) submitted to contract laboratory.

WIN ID/Field ID: G3NW0102

Location:

Location: Basin Bayou North End

Matrix: Fresh

(Check One)

☒ Grab☐ Composite

| Date and Time {CEN} | DO (mg/L) | DO (%SAT) | Temp. © | pH   | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos /cm) | Salinity (PPT) |
|---------------------|-----------|-----------|---------|------|------------------|--------------|-----------------|---------------------|----------------|
| 8/16/2022 1120      | 6.91      | 90.4      | 27.5    | 6.72 | 0.3              | 1.1          | 1.1             | 91.5                | 1.97           |

  

| 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*   |                       |              |
|                                    | Lot #                                                                        | Exp:                                     |              | <2       |                       |              |
| Metals (P-500ML)                   | W-ICPMS / W-ICP / W-HARD                                                     |                                          | Ice          | HNO3*    |                       |              |
|                                    | Lot #                                                                        | Exp:                                     |              | <2       |                       |              |
| 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) | E Coli                                                                       | X                                        | F Coli       | X        | Enterococci           |              |
|                                    | X                                                                            | Contract Lab                             |              |          |                       | 2            |
| Molecular (QPCR-P-500ML)           | PCR-HF183                                                                    |                                          | PCR-BacR     |          | PCR-DG3               |              |
|                                    | 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    |          |                       |              |
|                                    | 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          |          |                       |              |



|                                                                                                                                 |                                                        |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| RQ-2022-08-15-27                                                                                                                | Collected By: Brook Olin, C. Stopher Slade             |
| Customer: FDEP                                                                                                                  | Field Report Prepared by: Brook Olin, C. Stopher Slade |
| Project ID: SMP                                                                                                                 | Sampling Agency: FDEP                                  |
| WIN ID/Field ID: <br>WIN ID/Field ID: G3NW0230 | Comments:                                              |

**Location:**

Location: Rocky Bayou Fred Gannon State Park

Matrix: Marine

(Check One)

☒ Grab☐ Composite

| Date and Time {CEN}                | DO (mg/L)                                                                   | DO (%SAT) | Temp. ©                                  | pH   | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos /cm)   | Salinity (PPT) |   |   |
|------------------------------------|-----------------------------------------------------------------------------|-----------|------------------------------------------|------|------------------|--------------|-----------------|-----------------------|----------------|---|---|
| 8/16/2022 1210                     | 6.31                                                                        | 91.4      | 31.3                                     | 7.39 | 0.3              |              | 0.8             | 19165                 | 11.84          |   |   |
| 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) | E Coli X F Coli X Enterococci Contract Lab                                  |           |                                          |      | x Ice            |              |                 |                       |                | 2 | C |
| Molecular (QPCR-P-500ML)           | PCR-HF183 PCR-BacR PCR-DG3 PCR-GULL2 PCR-GFD                                |           |                                          |      | Ice              |              |                 |                       |                |   |   |
| 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              |              |                 |                       |                |   |   |

SAMPLE TRANSMITTAL FORM  
Document Reference # 05.1.0

**Sampler's initials:**

Laboratory: Wetlands Research Laboratory

Project: FDEP

Page 1 of 1

Method of transport: on ice by hand

Samples delivered by: S. Siddle of FDEP

|                                                                                                                                           |                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <p>  <br/>           Samples received by:         </p> | <p>  <br/>           of WRL         </p> |
|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|

Date/Time: 8/6/2019 11:50

Date/Time: 08/16/22, 1954

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

[illegible]

Surface water, no chlorine expected

PO #C01214

22190

Sample Container Int#

Comments: **Sample Container ID**  
**RQ - 2022-08-15-27**

Phone: 850-595-8300

**Contact name:** Mike King

| Organization                       | Address             | Contact organization | Phone | Fax | E-mail | Web site |
|------------------------------------|---------------------|----------------------|-------|-----|--------|----------|
| 150 Governmental Center, suite 308 | Pensacola, FL 32502 |                      |       |     |        |          |

Sampler's name:

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

<sup>1</sup>Matrix examples: SW = surface water, PW = pore water, GW = ground water, FW = Freshwater, MW = Mining Water, ...

Date of Request: 18-JUL-2022  
 Created By: SLADE\_C On: 18-JUL-2022  
 Modified By: JASROTIA\_P On: 28-JUL-2022  
 Customer: NW-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Northwest District  
 Event Description: Highway 20 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: S  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: AYRES\_J On: 27-JUL-2022  
 Biology Request Reviewed By: JASROTIA\_P On: 28-JUL-2022  
 Sampling Kit Required: YES Ship on: 05-AUG-2022  
 Sampling Kit Shipped: YES On: 05-AUG-2022  
 Sampling Kit Packed By: SHAIK\_A  
 Preservatives Needed: NO  
 Date to Receive Samples: 15-AUG-2022  
 Logged In By:

**Send Final Report To:**

160 W Government Street  
 Suite 208  
 Pensacola, FL 32502-5794  
 Attn: Myranda Butler  
 Report Notification EMail:  
 Christopher.slade@floridadep.gov;Myranda.k.butler@floridadep.gov

Comments: Group A: (WBID 692, 731) Marine Nutrients, Contract Lab Bacteria  
 Group B: (WBID 692) Tracers, Markers, Contract Lab Bacteria  
 Group C: (WBID722, 742) Contract Lab Bacteria, Bacteria  
 Group D: (WBID 351A) Contract Lab Bacteria

Packing notes;

FedEx return packing slips

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

|                          |                      |                                                                                                              |
|--------------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L        | Number of Bottles: 2 | 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-F                      | Template: DEFAULT    | (SM 4500-F- C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)      |
| W-TSS                    | Template: DEFAULT    | (SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample              |
| Bottle Type: BP-1L       | Number of Bottles: 2 | Preserved With: ICE                                                                                          |
| CHLSUITE-W               | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |
| Bottle Type: TEST HAS NO | Number of Bottles: 2 | Preserved With: ICE                                                                                          |
| NW-UWF-ENQ               | Template: DEFAULT    | (Enterolert/QT) Enterococci by Enterolert/QT by UWF in Pensacola                                             |
| Bottle Type: P-500ML     | Number of Bottles: 2 | Preserved With: ICE And H2SO4                                                                                |
| W-NH3                    | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                   |
| W-NO2NO3                 | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                           |
| W-S-A-TP                 | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                          |
| W-TKN                    | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                             |
| W-TOC                    | Template: DEFAULT    | (SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices                                             |

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

|                           |                      |                                                                                                                                               |
|---------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: TEST HAS NO  | Number of Bottles: 1 | Preserved With: ICE                                                                                                                           |
| NW-UWF-ENQ                | Template: DEFAULT    | (Enterolert/QT) Enterococci by Enterolert/QT by UWF in Pensacola                                                                              |
| 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 Group C (Water) With 2 Samples:**

|                             |                      |                                                                                       |
|-----------------------------|----------------------|---------------------------------------------------------------------------------------|
| Bottle Type: P-250ML-WO-THI | Number of Bottles: 2 | Preserved With: ICE                                                                   |
| FCOLI-MF                    | Template: DEFAULT    | (SM 9222 D) Fecal coliforms by membrane filter method - non-chlorinated water systems |
| Bottle Type: TEST HAS NO    | Number of Bottles: 2 | Preserved With: ICE                                                                   |
| NW-UWF-ENQ                  | Template: DEFAULT    | (Enterolert/QT) Enterococci by Enterolert/QT by UWF in Pensacola                      |

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

|                          |                      |                                                                  |
|--------------------------|----------------------|------------------------------------------------------------------|
| Bottle Type: TEST HAS NO | Number of Bottles: 2 | Preserved With: ICE                                              |
| NW-UWF-ENQ               | Template: DEFAULT    | (Enterolert/QT) Enterococci by Enterolert/QT by UWF in Pensacola |

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