

# Login Checklist

RQ- 2023-03-27-12

Login Station ID: 5

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 3/28/23 @ 9:17

| *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 |                      |
| <u>1-4</u>          |                 |                                        |          | <u>12</u>                             |               | X  |          |    | <u>5859 44339416</u> |
|                     |                 |                                        |          |                                       |               |    |          |    |                      |
|                     |                 |                                        |          |                                       |               |    |          |    |                      |
|                     |                 |                                        |          |                                       |               |    |          |    |                      |
|                     |                 |                                        |          |                                       |               |    |          |    |                      |
|                     |                 |                                        |          |                                       |               |    |          |    |                      |

## 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/ Field Sheet(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 X 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 \_\_\_\_\_ No X Init: C.P

Chlorine detected? (One container checked per Field ID)

Yes \_\_\_\_\_ No \_\_\_\_\_ Init: \_\_\_\_\_

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: C.P

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

Yes \_\_\_\_\_ No \_\_\_\_\_ NA X Init: C.P

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

Coolers Unpacked/Checked by: C.P

Date: 3/28/23

Event contains NCRs(Y/N)? N

EventID: NW-DIST-2023-03-28-01 (SMP)

Date Received: 28-MAR-2023 09:17

## Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

|                          |                    |
|--------------------------|--------------------|
| Infrared Thermometer ID: | 221426058 10/17/23 |
| pH Test Strips 0 – 6     | 223819AV 08/30/23  |
| pH Paper 0 – 3           | NA                 |
| pH Paper 0 – 13          | 210620 4/15/2023   |
| Chlorine Test Strips     | 0070 03/2023       |

### 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:** 3/27/2023 **Collected By:** Nathan Mulkey, Myranda Butler  
**Customer:** NW-DIST **Sampling Agency:** FDEP  
**RQ:** RQ-2023-03-27-12 **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                                                                                  |
|-----------------------|--------------------------------------------------------------------------------------------------|
| LAGRANGE BAYOU MIDDLE | <br>G3NW0036   |
| ALAUQUA BAYOU CENTER  | <br>G3NW0180   |
| BASIN BAYOU AT INLET  | <br>G3NW0101 |
| BOGGY BAYOU MOUTH     | <br>G3NW0186 |
| BASIN BAYOU NORTH END | <br>G3NW0102 |

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 3/27/2023

1600CEN

**THIS SECTION TO BE COMPLETED BY LABORATORY**

Rec'd/Inspected By: Chin p

Rec'd/Inspected Date: 3-28-23

**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION****STRATEGIC MONITORING PLAN Field Sheet**

July 2022

Meter  
Passed End  
of Day CCV  
Yes / No

|                                 |                      |                |         |                |                     |               |  |
|---------------------------------|----------------------|----------------|---------|----------------|---------------------|---------------|--|
| <b>WIN Station Name:</b>        | BASIN BAYOU AT INLET |                |         |                | <b>Sample Date:</b> | 3/27/2023     |  |
| <b>WIN / Field ID:</b>          | G3NW0101             | <b>ORG ID:</b> | 21FLPNS | <b>ENR:</b>    | ENRM2               |               |  |
| <b>County:</b>                  | WALTON               | <b>WBID:</b>   | 742     | <b>ESTUARY</b> | 2                   |               |  |
| <b>Receiving Body of Water:</b> | -                    |                |         |                | <b>RQ-</b>          | 2023-03-27-12 |  |

| Sampling Team Members | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-----------------------|-----------------|-------------------|---------------|--------------|--------------------|
|                       |                 |                   |               |              |                    |
| Nathan Mulkey         |                 | x                 |               | x            | x                  |
| Myranda Butler        | x               |                   | x             |              |                    |
|                       |                 |                   |               |              |                    |
|                       |                 |                   |               |              |                    |

| Sampling Equipment   |                  |                |                |
|----------------------|------------------|----------------|----------------|
| x                    | Sample Container | Carboy         |                |
|                      | Dipper           | Van Dorn       |                |
|                      | Syringe          | Pole           |                |
| Syringe Lot#         |                  | Filter Lot#    |                |
| Secchi Equipment ID: |                  | Secchi - 2     |                |
| Collection Method    |                  |                |                |
| Wading               |                  | Canoe/Kayak    |                |
| From Shore           |                  | Electric Motor |                |
|                      |                  | x              | Gasoline Motor |
| Depth Measured With  |                  | Meter          |                |

|                        |                    |
|------------------------|--------------------|
| <b>Water Level:</b>    | Normal             |
| <b>Flow:</b>           | NA                 |
| <b>Matrix:</b>         | Marine             |
| <b>Tide Stage:</b>     | N/A                |
| <b>High Tide:</b>      |                    |
| <b>Low Tide:</b>       |                    |
| <b>Photos:</b>         | No                 |
| <b>Meter ID:</b>       | 154179<br>(ProDSS) |
| <b>Depth Gauge ID:</b> | depth_gauge        |

| Time Zone | Time | Total Depth (m) | Sample Depth (m) | DO (mg/L) | DO (%SAT) | Temp. (°C) | pH   | Secchi Disk (m) | Sp COND (µmhos/cm) | Salinity (PPT <sub>h</sub> ) |
|-----------|------|-----------------|------------------|-----------|-----------|------------|------|-----------------|--------------------|------------------------------|
| CEN       | 1025 | 1.5             | 0.3              | 6.94      | 84.8      | 23.4       | 7.08 | 1.3             | 11597              | 6.61                         |
|           |      |                 |                  |           |           |            |      |                 |                    |                              |
|           | 1029 |                 | 1                | 4.7       | 57.3      | 22.6       | 6.94 |                 | 15521              | 9.07                         |

**Biological Samples Collected:** None**SBIO Visit ID:**      **HA ID:**      **RPS ID:**      **Macrophyte ID:**      **LIMS Sample ID Entered Into The Macrophyte Module:**

| Parameter Suite              | Parameter Methods (LIMS Test Codes)              | Preservation |                            |                 |          |
|------------------------------|--------------------------------------------------|--------------|----------------------------|-----------------|----------|
|                              |                                                  | Type         | Lot#                       | Expiration Date | pH Check |
| Microbiology                 | Enterococci      F. coli                         | ICE          |                            |                 |          |
| Chlorophyll                  |                                                  |              |                            |                 |          |
| Physical/Aggregate Nutrients |                                                  |              |                            |                 |          |
| Filtered Nutrients           |                                                  |              | Syringe Lot#; Filter Lot#: |                 |          |
| Acid Preserved Nutrients     |                                                  |              |                            |                 |          |
| Metals                       |                                                  |              |                            |                 |          |
| Organics (LC)                |                                                  |              |                            |                 |          |
| Macroinvertebrates           |                                                  |              |                            |                 |          |
| Organics (GC)                |                                                  |              |                            |                 |          |
| Molecular                    |                                                  |              |                            |                 |          |
| Periphyton                   |                                                  |              |                            |                 |          |
| Phytoplankton                |                                                  |              |                            |                 |          |
| BOD                          |                                                  |              |                            |                 |          |
| DOC                          |                                                  |              |                            |                 |          |
| Other(s)                     |                                                  |              |                            |                 |          |
| Field Comments:              |                                                  |              |                            |                 |          |
| Comments on COC:             | Enterococci sent to UWF lab. Fecal sent to Tally |              |                            |                 |          |
| Relinquish Date:             | 03/27/2023                                       | Signature:   |                            |                 |          |

LIMS EVENT ID: \_\_\_\_\_ WIN Import ID: \_\_\_\_\_

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

Save Field Sheets on Network: \_\_\_\_\_ (Initials/Date)      Migrate Data to WIN: \_\_\_\_\_ (Initials/Date)

**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION****STRATEGIC MONITORING PLAN Field Sheet**

July 2022

Meter  
Passed End  
of Day CCV  
Yes / No

|                                 |                       |                |         |                |                     |                  |          |
|---------------------------------|-----------------------|----------------|---------|----------------|---------------------|------------------|----------|
| <b>WIN Station Name:</b>        | LAGRANGE BAYOU MIDDLE |                |         |                | <b>Sample Date:</b> | 3/27/2023        |          |
| <b>WIN / Field ID:</b>          | G3NW0036              | <b>ORG ID:</b> | 21FLPNS | <b>ENR:</b>    | ENRM6               |                  |          |
| <b>County:</b>                  | WALTON                | <b>WBID:</b>   | 789     | <b>ESTUARY</b> | 3M                  | <b>Latitude:</b> | 30.46631 |
| <b>Receiving Body of Water:</b> | -                     |                |         |                | <b>Longitude:</b>   | -86.147304       |          |
|                                 |                       |                |         |                | <b>RQ-</b>          | 2023-03-27-12    |          |

| Sampling Team Members | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-----------------------|-----------------|-------------------|---------------|--------------|--------------------|
|                       |                 |                   |               |              |                    |
| Nathan Mulkey         |                 | x                 |               | x            | x                  |
| Myranda Butler        | x               |                   | x             |              |                    |
|                       |                 |                   |               |              |                    |
|                       |                 |                   |               |              |                    |

| Sampling Equipment   |                  |                |                |
|----------------------|------------------|----------------|----------------|
| x                    | Sample Container | Carboy         |                |
|                      | Dipper           | Van Dorn       |                |
|                      | Syringe          | Pole           |                |
| Syringe Lot#         |                  | Filter Lot#    |                |
| Secchi Equipment ID: |                  | Secchi - 2     |                |
| Collection Method    |                  |                |                |
|                      | Wading           | Canoe/Kayak    |                |
|                      | From Shore       | Electric Motor |                |
|                      |                  | x              | Gasoline Motor |
| Depth Measured With  |                  | Meter          |                |

|                        |                    |
|------------------------|--------------------|
| <b>Water Level:</b>    | Normal             |
| <b>Flow:</b>           | NA                 |
| <b>Matrix:</b>         | Marine             |
| <b>Tide Stage:</b>     | N/A                |
| <b>High Tide:</b>      |                    |
| <b>Low Tide:</b>       |                    |
| <b>Photos:</b>         | No                 |
| <b>Meter ID:</b>       | 154179<br>(ProDSS) |
| <b>Depth Gauge ID:</b> | depth_gauge        |
|                        |                    |
|                        |                    |

| Time Zone | Time | Total Depth (m) | Sample Depth (m) | DO (mg/L) | DO (%SAT) | Temp. (°C) | pH   | Secchi Disk (m) | Sp COND (µmhos/cm) | Salinity (PPT) |
|-----------|------|-----------------|------------------|-----------|-----------|------------|------|-----------------|--------------------|----------------|
| CEN       | 1235 | 2.9             | 0.3              | 7.87      | 99.9      | 24.5       | 7.55 | 0.8             | 17152              | 10.09          |
|           |      |                 |                  |           |           |            |      |                 |                    |                |
|           | 1237 |                 | 2.4              | 7.78      | 98.8      | 24.3       | 7.51 |                 | 18223              | 10.78          |

**Biological Samples Collected:** None

SBIO Visit ID: HA ID: RPS ID: Macrophyte ID: LIMS Sample ID Entered Into The Macrophyte Module:

| Parameter Suite              | Parameter Methods (LIMS Test Codes)                      | Preservation |                            |                 |                    |
|------------------------------|----------------------------------------------------------|--------------|----------------------------|-----------------|--------------------|
|                              |                                                          | Type         | Lot#                       | Expiration Date | pH Check           |
| Microbiology                 | Contract Lab Enterococci UWF                             | ICE          |                            |                 |                    |
| Chlorophyll                  | CHLSUITE-W                                               | ICE          |                            |                 |                    |
| Physical/Aggregate Nutrients | ALKALINITY, TURBIDITY, W-F, W-TSS                        | ICE          |                            |                 |                    |
|                              | W-CL-IC, W-COLOR, W-SO4-IC, W-TDS                        | ICE          |                            |                 |                    |
| Filtered Nutrients           |                                                          |              | Syringe Lot#: Filter Lot#: |                 |                    |
| Acid Preserved Nutrients     | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP              | ICE          | H2SO4*                     | SA2229010       | 8.30.23 H2SO4 pH<2 |
| Metals                       |                                                          |              |                            |                 |                    |
| Organics (LC)                |                                                          |              |                            |                 |                    |
| Macroinvertebrates           |                                                          |              |                            |                 |                    |
| Organics (GC)                |                                                          |              |                            |                 |                    |
| Molecular                    |                                                          |              |                            |                 |                    |
| Periphyton                   |                                                          |              |                            |                 |                    |
| Phytoplankton                |                                                          |              |                            |                 |                    |
| BOD                          |                                                          |              |                            |                 |                    |
| DOC                          |                                                          |              |                            |                 |                    |
| Other(s)                     |                                                          |              |                            |                 |                    |
| Field Comments:              |                                                          |              |                            |                 |                    |
| Comments on COC:             | Microbiology sample(s) submitted to contract laboratory. |              |                            |                 |                    |
| Relinquish Date:             | 03/27/2023                                               | Signature:   |                            |                 |                    |

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

**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION****STRATEGIC MONITORING PLAN Field Sheet**

July 2022

Meter  
Passed End  
of Day CCV  
Yes / No

|                                 |                     |                |         |                |                     |               |  |
|---------------------------------|---------------------|----------------|---------|----------------|---------------------|---------------|--|
| <b>WIN Station Name:</b>        | ALAQUA BAYOU CENTER |                |         |                | <b>Sample Date:</b> | 3/27/2023     |  |
| <b>WIN / Field ID:</b>          | G3NW0180            | <b>ORG ID:</b> | 21FLPNS | <b>ENR:</b>    | ENRM1               |               |  |
| <b>County:</b>                  | WALTON              | <b>WBID:</b>   | 731     | <b>ESTUARY</b> | 3M                  |               |  |
| <b>Receiving Body of Water:</b> | -                   |                |         |                | <b>RQ-</b>          | 2023-03-27-12 |  |

| Sampling Team Members | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-----------------------|-----------------|-------------------|---------------|--------------|--------------------|
| Nathan Mulkey         |                 | x                 |               | x            | x                  |
| Myranda Butler        | x               |                   | x             |              |                    |
|                       |                 |                   |               |              |                    |
|                       |                 |                   |               |              |                    |

| Sampling Equipment          |                         |
|-----------------------------|-------------------------|
| <b>x Sample Container</b>   | <b>Carboy</b>           |
| <b>Dipper</b>               | <b>Van Dorn</b>         |
| <b>Syringe</b>              | <b>Pole</b>             |
| <b>Syringe Lot#</b>         | <b>Filter Lot#</b>      |
| <b>Secchi Equipment ID:</b> | Secchi - 2              |
| Collection Method           |                         |
| <b>Wading</b>               | <b>Canoe/Kayak</b>      |
| <b>From Shore</b>           | <b>Electric Motor</b>   |
|                             | <b>x Gasoline Motor</b> |
| <b>Depth Measured With</b>  | Meter                   |

|                        |                 |
|------------------------|-----------------|
| <b>Water Level:</b>    | Normal          |
| <b>Flow:</b>           | NA              |
| <b>Matrix:</b>         | Marine          |
| <b>Tide Stage:</b>     | N/A             |
| <b>High Tide:</b>      |                 |
| <b>Low Tide:</b>       |                 |
| <b>Photos:</b>         | No              |
| <b>Meter ID:</b>       | 154179 (ProDSS) |
| <b>Depth Gauge ID:</b> | depth_gauge     |

| Time Zone | Time | Total Depth (m) | Sample Depth (m) | DO (mg/L) | DO (%SAT) | Temp. (°C) | pH   | Secchi Disk (m) | Sp COND (µmhos/cm) | Salinity (PPT <sub>h</sub> ) |
|-----------|------|-----------------|------------------|-----------|-----------|------------|------|-----------------|--------------------|------------------------------|
| CEN       | 1140 | 1.3             | 0.3              | 8.36      | 100.4     | 23.3       | 7.25 | 1.2             | 7631               | 4.22                         |
|           |      |                 |                  |           |           |            |      |                 |                    |                              |
|           |      |                 |                  |           |           |            |      |                 |                    |                              |

**Biological Samples Collected:** None**SBIO Visit ID:**      **HA ID:**      **RPS ID:**      **Macrophyte ID:**      **LIMS Sample ID Entered Into The Macrophyte Module:**

| Parameter Suite              | Parameter Methods (LIMS Test Codes)                      | Preservation      |        |                 |            |
|------------------------------|----------------------------------------------------------|-------------------|--------|-----------------|------------|
|                              |                                                          | Type              | Lot#   | Expiration Date | pH Check   |
| Microbiology                 | Contract Lab      Enterococci      UWF                   | ICE               |        |                 |            |
| Chlorophyll                  | CHLSUITE-W                                               | ICE               |        |                 |            |
| Physical/Aggregate Nutrients | ALKALINITY, TURBIDITY, W-F, W-TSS                        | ICE               |        |                 |            |
| Filtered Nutrients           | W-CL-IC, W-COLOR, W-SO4-IC, W-TDS                        | ICE               |        |                 |            |
| Acid Preserved Nutrients     | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP              | ICE               | H2SO4* | SA2229010       | 8.30.23    |
| Metals                       |                                                          |                   |        |                 | H2SO4 pH<2 |
| Organics (LC)                |                                                          |                   |        |                 |            |
| Macroinvertebrates           |                                                          |                   |        |                 |            |
| Organics (GC)                |                                                          |                   |        |                 |            |
| Molecular                    |                                                          |                   |        |                 |            |
| Periphyton                   |                                                          |                   |        |                 |            |
| Phytoplankton                |                                                          |                   |        |                 |            |
| BOD                          |                                                          |                   |        |                 |            |
| DOC                          |                                                          |                   |        |                 |            |
| Other(s)                     |                                                          |                   |        |                 |            |
| <b>Field Comments:</b>       |                                                          |                   |        |                 |            |
| <b>Comments on COC:</b>      | Microbiology sample(s) submitted to contract laboratory. |                   |        |                 |            |
| <b>Relinquish Date:</b>      | 03/27/2023                                               | <b>Signature:</b> |        |                 |            |

LIMS EVENT ID: \_\_\_\_\_ WIN Import ID: \_\_\_\_\_

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

Save Field Sheets on Network: \_\_\_\_\_ (Initials/Date)      Migrate Data to WIN: \_\_\_\_\_ (Initials/Date)

**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION****STRATEGIC MONITORING PLAN Field Sheet**

July 2022

Meter  
Passed End  
of Day CCV  
Yes / No

|                                 |  |                   |  |                |         |                     |               |                   |           |
|---------------------------------|--|-------------------|--|----------------|---------|---------------------|---------------|-------------------|-----------|
| <b>WIN Station Name:</b>        |  | BOGGY BAYOU MOUTH |  |                |         | <b>Sample Date:</b> |               | 3/27/2023         |           |
| <b>WIN / Field ID:</b>          |  | G3NW0186          |  | <b>ORG ID:</b> | 21FLPNS | <b>ENR:</b>         | ENRM3         | <b>Latitude:</b>  | 30.4858   |
| <b>County:</b>                  |  | OKALOOSA          |  | <b>WBID:</b>   | 692     | ESTUARY             |               | <b>Longitude:</b> | -86.47765 |
| <b>Receiving Body of Water:</b> |  | -                 |  |                |         | <b>RQ-</b>          | 2023-03-27-12 |                   |           |

| Sampling Team Members | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-----------------------|-----------------|-------------------|---------------|--------------|--------------------|
|                       |                 |                   |               |              |                    |
|                       |                 |                   |               |              |                    |
|                       |                 |                   |               |              |                    |
|                       |                 |                   |               |              |                    |
| Nathan Mulkey         |                 | x                 |               | x            | x                  |
| Myranda Butler        | x               |                   |               |              |                    |
|                       |                 |                   |               |              |                    |
|                       |                 |                   |               |              |                    |
|                       |                 |                   |               |              |                    |

| Sampling Equipment        |                  |                  |  |
|---------------------------|------------------|------------------|--|
| x                         | Sample Container | Carboy           |  |
|                           | Dipper           | Van Dorn         |  |
|                           | Syringe          | Pole             |  |
| Syringe Lot#              |                  | Filter Lot#      |  |
| Secchi Equipment ID:      |                  |                  |  |
| Collection Method         |                  |                  |  |
|                           | Wading           | Canoe/Kayak      |  |
|                           | From Shore       | Electric Motor   |  |
|                           |                  | x Gasoline Motor |  |
| Depth Measured With Meter |                  |                  |  |

|                        |                    |
|------------------------|--------------------|
| <b>Water Level:</b>    | Normal             |
| <b>Flow:</b>           | NA                 |
| <b>Matrix:</b>         | Marine             |
| <b>Tide Stage:</b>     | N/A                |
| <b>High Tide:</b>      |                    |
| <b>Low Tide:</b>       |                    |
| <b>Photos:</b>         | NA                 |
| <b>Meter ID:</b>       | 154179<br>(ProDSS) |
| <b>Depth Gauge ID:</b> | depth_gauge        |
|                        |                    |
|                        |                    |

| Time Zone | Time | Total Depth (m) | Sample Depth (m) | DO (mg/L) | DO (%SAT) | Temp. (°C) | pH   | Secchi Disk (m) | Sp COND (µmhos/cm) | Salinity (PPT) |
|-----------|------|-----------------|------------------|-----------|-----------|------------|------|-----------------|--------------------|----------------|
| CEN       | 915  | 5.9             | 0.3              | 8.53      | 107.6     | 22.1       | 8.01 | 2.4             | 27257              | 16.76          |
|           |      |                 |                  |           |           |            |      |                 |                    |                |
|           | 918  |                 | 5.4              | 2.83      | 37.6      | 20.1       | 7.73 |                 | 48330              | 31.58          |

**Biological Samples Collected:** None

SBIO Visit ID: HA ID: RPS ID: Macrophyte ID: LIMS Sample ID Entered Into The Macrophyte Module:

| Parameter Suite              | Parameter Methods (LIMS Test Codes)                      | Preservation |        |                 |            |
|------------------------------|----------------------------------------------------------|--------------|--------|-----------------|------------|
|                              |                                                          | Type         | Lot#   | Expiration Date | pH Check   |
| Microbiology                 | Enterococci                                              | ICE          |        |                 |            |
|                              | Contract Lab                                             |              |        |                 |            |
| Chlorophyll                  | CHLSUITE-W                                               | ICE          |        |                 |            |
| Physical/Aggregate Nutrients |                                                          | ICE          |        |                 |            |
| Filtered Nutrients           |                                                          |              |        |                 |            |
| Acid Preserved Nutrients     | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP              | ICE          | H2SO4* | SA2229010       | 8.30.23    |
| Metals                       |                                                          |              |        |                 | H2SO4 pH<2 |
| Organics (LC)                |                                                          |              |        |                 |            |
| Macroinvertebrates           |                                                          |              |        |                 |            |
| Organics (GC)                |                                                          |              |        |                 |            |
| Molecular                    |                                                          |              |        |                 |            |
| Periphyton                   |                                                          |              |        |                 |            |
| Phytoplankton                |                                                          |              |        |                 |            |
| BOD                          |                                                          |              |        |                 |            |
| DOC                          |                                                          |              |        |                 |            |
| Other(s)                     |                                                          |              |        |                 |            |
| Field Comments:              |                                                          |              |        |                 |            |
| Comments on COC:             | Microbiology sample(s) submitted to contract laboratory. |              |        |                 |            |
| Relinquish Date:             | 03/27/2023                                               | Signature:   |        |                 |            |

LIMS EVENT ID: WIN Import ID:

Enter Field Parameters, Verify Station ID in LIMS DMT: QC Station ID, Field Parameters in LIMS DMT:

Save Field Sheets on Network: Migrate Data to WIN:

**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION****STRATEGIC MONITORING PLAN Field Sheet**

July 2022

Meter  
Passed End  
of Day CCV  
Yes / No

|                                 |                       |                |         |                |                     |               |  |
|---------------------------------|-----------------------|----------------|---------|----------------|---------------------|---------------|--|
| <b>WIN Station Name:</b>        | BASIN BAYOU NORTH END |                |         |                | <b>Sample Date:</b> | 3/27/2023     |  |
| <b>WIN / Field ID:</b>          | G3NW0102              | <b>ORG ID:</b> | 21FLPNS | <b>ENR:</b>    | ENRM2               |               |  |
| <b>County:</b>                  | WALTON                | <b>WBID:</b>   | 742     | <b>ESTUARY</b> | 2                   |               |  |
| <b>Receiving Body of Water:</b> | -                     |                |         |                | <b>RQ-</b>          | 2023-03-27-12 |  |

| Sampling Team Members | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-----------------------|-----------------|-------------------|---------------|--------------|--------------------|
|                       |                 |                   |               |              |                    |
| Nathan Mulkey         |                 | x                 |               | x            | x                  |
| Myranda Butler        | x               |                   | x             |              |                    |
|                       |                 |                   |               |              |                    |
|                       |                 |                   |               |              |                    |

| Sampling Equipment  |                      |
|---------------------|----------------------|
| x                   | Sample Container     |
|                     | Dipper               |
|                     | Syringe              |
|                     | Syringe Lot#         |
|                     | Secchi Equipment ID: |
|                     | Filter Lot#          |
|                     | Secchi - 2           |
| Collection Method   |                      |
|                     | Wading               |
|                     | From Shore           |
|                     | Canoe/Kayak          |
|                     | Electric Motor       |
|                     | x Gasoline Motor     |
| Depth Measured With |                      |
| Meter               |                      |

|                        |                    |
|------------------------|--------------------|
| <b>Water Level:</b>    | Normal             |
| <b>Flow:</b>           | NA                 |
| <b>Matrix:</b>         | Marine             |
| <b>Tide Stage:</b>     | N/A                |
| <b>High Tide:</b>      |                    |
| <b>Low Tide:</b>       |                    |
| <b>Photos:</b>         | No                 |
| <b>Meter ID:</b>       | 154179<br>(ProDSS) |
| <b>Depth Gauge ID:</b> | depth_gauge        |
|                        |                    |
|                        |                    |

| Time Zone | Time | Total Depth (m) | Sample Depth (m) | DO (mg/L) | DO (%SAT) | Temp. (°C) | pH   | Secchi Disk (m) | Sp COND (µmhos/cm) | Salinity (PPTth) |
|-----------|------|-----------------|------------------|-----------|-----------|------------|------|-----------------|--------------------|------------------|
| CEN       | 1040 | 1.2             | 0.3              | 7.8       | 91        | 22.7       | 6.72 | 1.2             | 2148               | 1.1              |
|           |      |                 |                  |           |           |            |      |                 |                    |                  |
|           |      |                 |                  |           |           |            |      | VOB (s)         |                    |                  |

**Biological Samples Collected:** None**SBIO Visit ID:**      **HA ID:**      **RPS ID:**      **Macrophyte ID:**      **LIMS Sample ID Entered Into The Macrophyte Module:**

| Parameter Suite              | Parameter Methods (LIMS Test Codes)         | Preservation      |        |                 |            |
|------------------------------|---------------------------------------------|-------------------|--------|-----------------|------------|
|                              |                                             | Type              | Lot#   | Expiration Date | pH Check   |
| Microbiology                 | F. coli                                     | ICE               |        |                 |            |
| Chlorophyll                  | CHLSUITE-W                                  | ICE               |        |                 |            |
| Physical/Aggregate Nutrients | ALKALINITY, TURBIDITY, W-F, W-TSS           | ICE               |        |                 |            |
| Filtered Nutrients           | W-CL-IC, W-COLOR, W-SO4-IC, W-TDS           | ICE               |        |                 |            |
| Acid Preserved Nutrients     | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP | ICE               | H2SO4* | SA2229010       | 8.30.23    |
| Metals                       |                                             |                   |        |                 | H2SO4 pH<2 |
| Organics (LC)                |                                             |                   |        |                 |            |
| Macroinvertebrates           |                                             |                   |        |                 |            |
| Organics (GC)                |                                             |                   |        |                 |            |
| Molecular                    |                                             |                   |        |                 |            |
| Periphyton                   |                                             |                   |        |                 |            |
| Phytoplankton                |                                             |                   |        |                 |            |
| BOD                          |                                             |                   |        |                 |            |
| DOC                          |                                             |                   |        |                 |            |
| Other(s)                     |                                             |                   |        |                 |            |
| <b>Field Comments:</b>       |                                             |                   |        |                 |            |
| <b>Comments on COC:</b>      | Did not take entero sample.                 |                   |        |                 |            |
| <b>Relinquish Date:</b>      | 03/27/2023                                  | <b>Signature:</b> |        |                 |            |

LIMS EVENT ID: \_\_\_\_\_ WIN Import ID: \_\_\_\_\_

Enter Field Parameters, Verify Station ID In LIMS DMT: \_\_\_\_\_ QC Station ID, Field Parameters In LIMS DMT: \_\_\_\_\_

Save Field Sheets on Network: \_\_\_\_\_ Migrate Data to WIN: \_\_\_\_\_

(Initials/Date) (Initials/Date)



## Document Reference # 05.1.0

Sampler's initials: MM

Page 1 of 1

Date/Time: 3/27/23 1:1452

CF

[illegible]

Surface water, no chlorine expected

Phone: 850-595-8300

<sup>1</sup>Matrix examples: SW = surface water, PW = pore water, GW = ground water, FW = Freshwater, MW = Marine Water, BW = Brackish Water, S = soil/soilment, Other X =

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



Date of Request: 16-FEB-2023  
 Created By: SLADE\_C On: 16-FEB-2023  
 Modified By: JASROTIA\_P On: 06-MAR-2023  
 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: 06-MAR-2023  
 Biology Request Reviewed By: JASROTIA\_P On: 06-MAR-2023  
 Sampling Kit Required: YES Ship on: 17-MAR-2023  
 Sampling Kit Shipped: YES On: 17-MAR-2023  
 Sampling Kit Packed By: KREUCH\_B  
 Preservatives Needed: NO  
 Date to Receive Samples: 27-MAR-2023  
 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 742) Nutrients, Contract Lab Bacteria, Bacteria  
 Group B: (WBID 692, 731, 789) Nutrients, Contract Lab Bacteria  
 Group C: (WBID742) Contract Lab Bacteria, Bacteria

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-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: P-250ML-WO-THI | Number of Bottles: 1 | 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: 1 | Preserved With: ICE                                                                                     |

**Bottle Group A (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: 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 B (Water) With 3 Samples:**

|                          |                      |                                                                                                         |
|--------------------------|----------------------|---------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L        | Number of Bottles: 3 | 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: 3 | 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: 3 | 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: 3 | 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 C (Water) With 1 Samples:**

|                             |                      |                                                                                       |
|-----------------------------|----------------------|---------------------------------------------------------------------------------------|
| Bottle Type: P-250ML-WO-THI | Number of Bottles: 1 | 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: 1 | Preserved With: ICE                                                                   |
| NW-UWF-ENQ                  | Template: DEFAULT    | (Enterolert/QT) Enterococci by Enterolert/QT by UWF in Pensacola                      |