

# Login Checklist

RQ- 2023-02-20-27

Login Station ID: 5

Shipping Method FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 3/10/23 @ 9:13

| *Cooler Temperature | Samples Frozen? | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |        |          |    | Waybill Tracking #           |
|---------------------|-----------------|----------------------------------------|----------|---------------------------------------|---------------|--------|----------|----|------------------------------|
|                     |                 |                                        |          |                                       | Present?      |        | *Intact? |    |                              |
|                     | YES             | HNO <sub>3</sub>                       | Formalin |                                       | Yes           | No     | Yes      | No |                              |
| 1.4<br>1-3          |                 |                                        |          | 8<br>9                                |               | X<br>X |          |    | 585947320885<br>585947312585 |
|                     |                 |                                        |          |                                       |               |        |          |    |                              |
|                     |                 |                                        |          |                                       |               |        |          |    |                              |
|                     |                 |                                        |          |                                       |               |        |          |    |                              |
|                     |                 |                                        |          |                                       |               |        |          |    |                              |
|                     |                 |                                        |          |                                       |               |        |          |    |                              |

## COOLER CHECK

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

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

Chain of Custody/ Field Sheet(s) Included?

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

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

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

## CONTAINER CHECK

Evidence Tape on Bottles?

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

If Criminal, photographs taken?

Yes \_\_\_\_\_ No 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 X No \_\_\_\_\_ Init: C-P

Chlorine detected? (One container checked per Field ID)

Yes \_\_\_\_\_ No X Init: C-P

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: 3/10/23

Event contains NCRs(Y/N)? N

EventID: NE-DIST-2023-03-10-01 (SMP)  
Date Received: 10-MAR-2023 09:13

## 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:** 3/9/2023      **Collected By:** Niki Barham, Jeremy Parrish  
**Customer:** NE-DIST      **Sampling Agency:** FDEP  
**RQ:** RQ-2023-02-20-27      **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:** 2

**Delivery Method:** FedEx

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

| Site Location                      | Field ID/WIN ID                                                                                     |
|------------------------------------|-----------------------------------------------------------------------------------------------------|
| MILL BR. @ OLD SAN MATEO RD.       | <br>20030577      |
| Cow creek at Putnam county blvd.   | <br>G2NE1143     |
| Sixteen Mile Creek at Ashley St.   | <br>20030688    |
| Unnamed Ditch at Cowpen Branch Rd. | <br>G2NE1222    |
| FB                                 | <br>FB_03092023 |

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 3/9/2023 1630  
EST

**THIS SECTION TO BE COMPLETED BY LABORATORY**

Rec'd/Inspected By: 

Rec'd/Inspected  
Date: 3-10-23

**Location:** MILL BR. @ OLD SAN MATEO RD.

| Date and Time<br>{EST} | DO<br>(mg/L) | DO<br>(%SAT) | Temp. °C | pH   | Sample<br>Depth (m) | Secchi<br>Depth | Total<br>Depth<br>(m) | Sp COND<br>(µmhos /cm) | Salinity<br>(PPTH) |
|------------------------|--------------|--------------|----------|------|---------------------|-----------------|-----------------------|------------------------|--------------------|
| 3/9/2023<br>945        | 7.5          | 78.9         | 17.3     | 6.77 | 0.3                 | 0.3             | 0.5                   | 2681                   | 1.39               |

| 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                        |                                          | Enterococci |           | Ice          |        |           |           |   |                       |              |
|                                    | 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                    |                                          | X           | W-PSNP-TQ | x            | Ice    | MCAA Exp. | MCAA Lot# | 8 | B                     |              |
|                                    | X                                                                            | W-PCL-TQ-R                       |                               | W-CARB-AA (5 ml of MCAA Buffer Solution) |             | X         |              |        | W-CT-CL-R |           |   |                       |              |
|                                    | X                                                                            | W-TR-SQ-R                        |                               | X                                        | W-PCB-TQ-R  |           |              |        |           |           |   |                       |              |
| Phytoplankton                      | DTY-QN-C                                                                     |                                  | PKD-QN-BV                     |                                          |             |           | Ice          |        |           |           |   |                       |              |
| DOC                                | W-DOC                                                                        | Field Filtered 0.45 um Filter    |                               |                                          |             | Ice       |              | H2SO4* | <2        |           |   |                       |              |
|                                    |                                                                              | Add Preservative Expiration Date |                               |                                          |             |           |              |        |           |           |   |                       |              |
|                                    |                                                                              | Add Preservative Lot Number      |                               |                                          |             |           |              |        |           |           |   |                       |              |



RQ-2023-02-20-27

Customer: FDEP

Project ID: SMP

Collected By: Jeremy Parrish, Niki Barham

Field Report Prepared by: Jeremy Parrish, Niki Barham

Sampling Agency: FDEP

WIN ID/Field ID:



WIN ID/Field ID: G2NE1143

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

Location: Cow creek at Putnam county blvd.

Matrix: Fresh

(Check One)

☒ Grab☐ Composite

| Date and Time {EST}                | DO (mg/L)         | DO (%SAT)                                                                   | Temp. °C                                 | pH                            | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos /cm) | Salinity (PPTH)       |              |   |   |
|------------------------------------|-------------------|-----------------------------------------------------------------------------|------------------------------------------|-------------------------------|------------------|--------------|-----------------|---------------------|-----------------------|--------------|---|---|
| 3/9/2023<br>1015                   | 7.86              | 86.3                                                                        | 18.3                                     | 7.03                          | 0.2              | 0.4          | 0.4             | 3275                | 1.64                  |              |   |   |
| 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 #                                                                       |                                          | Sa2229010                     | Exp:             | 8/30/23      |                 |                     |                       |              |   |   |
| 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)                | X                 | CHLSUITE-W                                                                  |                                          |                               |                  | X            | Ice             |                     |                       | 1            | A |   |
| Physical/Aggregate (Fresh) (P-1L)  | X                 | Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS |                                          |                               |                  | X            | Ice             |                     |                       | 1            | A |   |
| Physical/Aggregate (Marine) (P-1L) |                   | Alkalinity / W-F / W-TSS / TURBIDITY                                        |                                          |                               |                  |              | Ice             |                     |                       |              |   |   |
| Macroinvertebrates (PJ-2L)         |                   | MI-FW-QLDC                                                                  | Formalin Lot #                           |                               |                  | Formalin     |                 |                     |                       |              |   |   |
| Periphyton (PT-50ML)               |                   | ALGAE-ID                                                                    |                                          |                               |                  | Ice          |                 |                     |                       |              |   |   |
| Microbiology (Contract Lab Bottle) | X                 | E Coli                                                                      |                                          | F Coli                        | Enterococci      | X            | Ice             |                     |                       | 1            | A |   |
|                                    | X                 | Contract Lab                                                                |                                          |                               |                  |              |                 |                     |                       |              |   |   |
| Molecular (QPCR-P-500ML)           |                   | PCR-HF183                                                                   |                                          | PCR-BacR                      | PCR-DG3          | Ice          |                 |                     |                       |              |   |   |
|                                    |                   | PCR-GULL2                                                                   |                                          | PCR-GFD                       |                  |              |                 |                     |                       |              |   |   |
| Tracers (BG-500ML)                 |                   | W-E8321-DI                                                                  |                                          | W-E8321-MS                    |                  | Ice          |                 |                     |                       |              |   |   |
| Pesticides (BG-500ML) (BG-1L)      |                   | W-E8321-DI                                                                  | W-E8321-MS                               |                               | W-PSNP-TQ        | Ice          | MCAA Exp.       | MCAA Lot#           |                       |              |   |   |
|                                    |                   | W-PCL-TQ-R                                                                  | W-CARB-AA (5 ml of MCAA Buffer Solution) |                               | W-CT-CL-R        |              |                 |                     |                       |              |   |   |
|                                    |                   | W-TR-SQ-R                                                                   | W-PCB-TQ-R                               |                               |                  |              |                 |                     |                       |              |   |   |
| Phytoplankton                      |                   | DTY-QN-C                                                                    |                                          | PKD-QN-BV                     |                  | Ice          |                 |                     |                       |              |   |   |
| DOC                                |                   | W-DOC                                                                       | Field Filtered 0.45 um Filter            |                               | Ice              | H2SO4*       |                 | <2                  |                       |              |   |   |
|                                    |                   |                                                                             | Acid Preservative Expiration Date        |                               |                  |              |                 |                     |                       |              |   |   |
|                                    |                   |                                                                             | Acid Preservative Lot Number             |                               |                  |              |                 |                     |                       |              |   |   |

**Location:** Sixteen Mile Creek at Ashley St.

| Date and Time<br>{EST} | DO<br>(mg/L) | DO<br>(%SAT) | Temp. °C | pH   | Sample<br>Depth (m) | Secchi<br>Depth | Total<br>Depth<br>(m) | Sp COND<br>(µmhos /cm) | Salinity<br>(PPTH) |
|------------------------|--------------|--------------|----------|------|---------------------|-----------------|-----------------------|------------------------|--------------------|
| 3/9/2023<br>1045       | 10.84        | 121          | 20.6     | 7.96 | 0.1                 | 0.2             | 0.2                   | 1700                   | 0.86               |

| 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- TD5 |                |                                          |            |            |           | Ice          |         |           |           |    |                       |              |  |  |  |  |  |  |   |     |   |   |
| Physical/Aggregate (Marine) (P-1L) | Alkalinity / W-F / W-TSS / TURBIDITY                                         |                |                                          |            |            |           | Ice          |         |           |           |    |                       |              |  |  |  |  |  |  |   |     |   |   |
| Macroinvertebrates (PJ-2L)         | MI-FW-QLDC                                                                   | Formalin Lot # |                                          |            |            | Formalin  |              |         |           |           |    |                       |              |  |  |  |  |  |  |   |     |   |   |
| Periphyton (PT-50ML)               | ALGAE-ID                                                                     |                |                                          |            |            |           | Ice          |         |           |           |    |                       |              |  |  |  |  |  |  |   |     |   |   |
| Microbiology (Contract Lab Bottle) | X                                                                            | E Coli         |                                          | F Coli     |            |           | Enterococci  |         |           |           |    |                       |              |  |  |  |  |  |  | x | Ice | 1 | D |
|                                    | X                                                                            | Contract Lab   |                                          |            |            |           |              |         |           |           |    |                       |              |  |  |  |  |  |  |   |     |   |   |
| Molecular (QPCR-P-500ML)           | X                                                                            | PCR-HF183      |                                          | X          | PCR-BacR   |           | X            | PCR-DG3 | x         | Ice       | 1  | D                     |              |  |  |  |  |  |  |   |     |   |   |
|                                    |                                                                              | PCR-GULL2      |                                          | PCR-GFD    |            |           |              |         |           |           |    |                       |              |  |  |  |  |  |  |   |     |   |   |
| Tracers (BG-500ML)                 | X                                                                            | W-E8321-DI     |                                          | X          | W-E8321-MS |           | x            | Ice     | 1         | D         |    |                       |              |  |  |  |  |  |  |   |     |   |   |
| 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-8V                                |            |            |           | Ice          |         |           |           |    |                       |              |  |  |  |  |  |  |   |     |   |   |
| DOC                                | W-DOC                                                                        |                | Field Filtered 0.45 um Filter            |            |            |           | Ice          |         | H2SO4*    |           | <2 |                       |              |  |  |  |  |  |  |   |     |   |   |
|                                    |                                                                              |                | Acid Preservative Expiration Date        |            |            |           |              |         |           |           |    |                       |              |  |  |  |  |  |  |   |     |   |   |
|                                    |                                                                              |                | Acid Preservative Lot Number             |            |            |           |              |         |           |           |    |                       |              |  |  |  |  |  |  |   |     |   |   |



RQ-2023-02-20-27

Customer: FDEP

Project ID: SMP

Collected By: Niki Barham, Jeremy Parrish

Field Report Prepared by: Niki Barham, Jeremy Parrish

Sampling Agency: FDEP

Comments:

WIN ID/Field ID:



WIN ID/Field ID: G2NE1222

Location: Unnamed Ditch at Cowpen Branch Rd.

Matrix: Fresh

(Check One)

☒ Grab☐ Composite

| Date and Time {EST} | DO (mg/L) | DO (%SAT) | Temp. °C | pH   | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos/cm) | Salinity (PPT) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|--------------------|----------------|
| 3/9/2023<br>1110    | 8.97      | 99.8      | 20.4     | 7.42 | 0.3              | 0.5          | 0.5             | 2940               | 1.53           |

  

| 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                             |           | 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-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) | X E Coli                                                                  |                                          | F Coli                            |           | Enterococci  | X Ice     | 1                     | C            |
|                                    | Contract Lab                                                              |                                          |                                   |           |              |           |                       |              |
| Molecular (QPCR-P-500ML)           | PCR-HF183                                                                 |                                          | PCR-BacR                          |           | PCR-DG3      | Ice       |                       |              |
|                                    | PCR-GULL2                                                                 |                                          | PCR-GFD                           |           |              |           |                       |              |
| Tracers (BG-500ML)                 | W-E8321-DI                                                                |                                          | W-E8321-MS                        |           | Ice          |           |                       |              |
| Pesticides (BG-500ML) (BG-1L)      | W-E8321-DI                                                                | W-E8321-MS                               | X                                 | W-PSNP-TQ | MCAA Exp.    | MCAA Lot# | 2                     | C            |
|                                    | W-PCL-TQ-R                                                                | W-CARB-AA (5 ml of MCAA Buffer Solution) |                                   | W-CT-CL-R | X Ice        |           |                       |              |
|                                    | X W-TR-SQ-R                                                               | W-PCB-TQ-R                               |                                   |           |              |           |                       |              |
| Phytoplankton                      | DTY-QN-C                                                                  |                                          | PKD-QN-BV                         |           | Ice          |           |                       |              |
| DOC                                | W-DOC                                                                     |                                          | Field Filtered 0.45 um Filter     |           | Ice          | H2SO4*    | <2                    |              |
|                                    |                                                                           |                                          | Acid Preservative Expiration Date |           |              |           |                       |              |
|                                    |                                                                           |                                          | Acid Preservative Lot Number      |           |              |           |                       |              |



|                                                                                                                                    |                                                       |
|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| RQ-2023-02-20-27                                                                                                                   | Collected By: Niki Barham, Jeremy Parrish             |
| Customer: FDEP                                                                                                                     | Field Report Prepared by: Niki Barham, Jeremy Parrish |
| Project ID: SMP                                                                                                                    | Sampling Agency: FDEP                                 |
| WIN ID/Field ID: <br>WIN ID/Field ID: FB_03092023 | Comments:                                             |

Location: FB

Matrix: W-FIELD-BLANK

(Check One) ☒ Grab ☐ Composite

| Date and Time {EST}                | DO (mg/L)                                                                   | DO (%SAT)                                | Temp. °C                          | pH          | Sample Depth (m) | Secchi Depth | Total Depth (m)       | Sp COND (µmhos/cm) | Salinity (PPT) |   |
|------------------------------------|-----------------------------------------------------------------------------|------------------------------------------|-----------------------------------|-------------|------------------|--------------|-----------------------|--------------------|----------------|---|
| 3/9/2023<br>1115                   |                                                                             |                                          |                                   |             |                  |              |                       |                    |                |   |
| 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                            | Enterococci | Ice              |              |                       |                    |                |   |
|                                    | 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                               | X                                 | W-PSNP-TQ   | x                | Ice          | MCAA Exp.             | MCAA Lot#          | 2              | C |
|                                    | W-PCL-TQ-R                                                                  | W-CARB-AA (5 ml of MCAA Buffer Solution) |                                   | W-CT-CL-R   |                  |              |                       |                    |                |   |
|                                    | X W-TR-SQ-R                                                                 | W-PCB-TQ-R                               |                                   |             |                  |              |                       |                    |                |   |
| Phytoplankton                      | DTY-QN-C                                                                    |                                          | PKD-QN-BV                         |             | Ice              |              |                       |                    |                |   |
| DOC                                | W-DOC                                                                       |                                          | Field Filtered 0.45 um Filter     |             | Ice              | H2SO4*       | <2                    |                    |                |   |
|                                    |                                                                             |                                          | Acid Preservative Expiration Date |             |                  |              |                       |                    |                |   |
|                                    |                                                                             |                                          | Acid Preservative Lot Number      |             |                  |              |                       |                    |                |   |





## CHAIN OF CUSTODY RECORD

Project Number:  
(Lab Use Only)3653 Regent Boulevard Suite # 509  
Jacksonville, FL 32224  
P (904) 807-9625 E info@deliab.com  
F (904) 807-9627

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|                        |  |                                                 |  |                                           |  |                                                                                                                       |  |
|------------------------|--|-------------------------------------------------|--|-------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------|--|
| Company Name           |  | Florida Department of Environmental Protection  |  | Container Information (Qty, Size, & Type) |  | Sample Matrix Codes:                                                                                                  |  |
| Address                |  | 8800 Baymeadows Way W Ste 100                   |  | NPW NPW NPW                               |  | A. Air P. Petroleum<br>B. Bulk S. Soil Sludge<br>W. Wipe O. Other<br>PW Potable Water<br>NPW Non-Potable Water        |  |
| City                   |  | Jacksonville State FL Zip 32256                 |  | Container Preservation Codes              |  | Sample Kit or Container Lot #                                                                                         |  |
| Attn                   |  | Jeremy Parrish Jeremy.M.Parrish@floridadep.gov  |  | 6 6 6                                     |  |                                                                                                                       |  |
| Tel                    |  | E-mail or Fax DEP-Overflowmicro@dep.state.fl.us |  | Parameters                                |  | Preservation Codes:                                                                                                   |  |
| Project Name           |  | Project Number RA-2023-02-20-27                 |  |                                           |  | 0. None 5. Na2S2O3<br>1. H2SO4 6. Crushed Ice (4C)<br>2. HNO3 7. C6H8O6<br>3. HCl 8. NH4Cl<br>4. NaOH 9. Other (List) |  |
| Project Location       |  | Hastings                                        |  | E. Coli - Quantitray                      |  | In Crushed Ice? (Yes / No)                                                                                            |  |
| Sampler Name/Signature |  | Jeremy Parrish                                  |  | Enterococci - Quantitray                  |  | Cooler Temp 0.1 °C                                                                                                    |  |
| Sample #               |  | Sample Identification                           |  | Coliform, Fecal - MF 3 Dilutions          |  | Sample Cont. Temp 1.9 °C                                                                                              |  |
| Date Sampled           |  | Time Sampled                                    |  | Turnaround Requested:                     |  | Turnaround times are estimated & subject to change. Surcharges apply for all Rush samples.                            |  |
| Sample Matrix Code     |  | Specific Cond. (Field)                          |  | Comp                                      |  | Billing Information:                                                                                                  |  |
| Grab                   |  |                                                 |  |                                           |  | Invoice with Report                                                                                                   |  |
| 1                      |  | G2NE1193                                        |  | 3-9-23 1015 NFW 3275                      |  | Invoice to Accounting                                                                                                 |  |
| 2                      |  | 20030688                                        |  | 3-9-23 1045 NFW 1700                      |  | Req #                                                                                                                 |  |
| 3                      |  | G2NE1222                                        |  | 3-9-23 1110 NFW 2940                      |  | P.O. #                                                                                                                |  |
| 4                      |  |                                                 |  |                                           |  |                                                                                                                       |  |
| 5                      |  |                                                 |  |                                           |  |                                                                                                                       |  |
| 6                      |  |                                                 |  |                                           |  |                                                                                                                       |  |
| 7                      |  |                                                 |  |                                           |  |                                                                                                                       |  |
| 8                      |  |                                                 |  |                                           |  |                                                                                                                       |  |
| 9                      |  |                                                 |  |                                           |  |                                                                                                                       |  |
| 0                      |  |                                                 |  |                                           |  |                                                                                                                       |  |
| Special Instructions:  |  | Transfer Numbers                                |  | Retinquished By                           |  | Received By                                                                                                           |  |
|                        |  | 1-3                                             |  | Jeremy Parrish                            |  | DC VC                                                                                                                 |  |
|                        |  | 3/9/23                                          |  | 3/11                                      |  | 03/09/23                                                                                                              |  |
|                        |  |                                                 |  |                                           |  | BIL                                                                                                                   |  |



Certification #E821059

Lab General Form 059, Rev. #1, Rev. Date 02/07/22, Effective Date 02/07/22

Visit us online &amp; order kits at: www.delialab.com



Date of Request: 20-JAN-2023  
 Created By: PARRISH\_J On: 20-JAN-2023  
 Modified By: AYRES\_J On: 27-FEB-2023  
 Customer: NE-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Northeast District  
 Event Description: LSJR Hastings 2023

**Send Coolers To:**

Phone: 904-256-1700  
 8800 Baymeadows Way West  
 Suite 100  
 Jacksonville, FL 32256  
 Attn: Jeremy Parrish  
 Cooler Ship EMail: Jeremy.M.Parrish@dep.state.fl.us

Priority: 3  
 Event Status: A  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: AYRES\_J On: 27-FEB-2023  
 Biology Request Reviewed By: AYRES\_J On: 27-FEB-2023  
 Sampling Kit Required: NO Ship on:  
 Sampling Kit Shipped: YES On: 06-FEB-2023  
 Sampling Kit Packed By: KREUCH\_B  
 Preservatives Needed: NO  
 Date to Receive Samples: 20-FEB-2023  
 Logged In By:

**Send Final Report To:**

8800 Baymeadows Way West  
 Suite 100  
 Jacksonville, FL 32256  
 Attn: Jeremy Parrish  
 Report Notification EMail: Jeremy.M.Parrish@dep.state.fl.us

**Comments:**

Group A:(Surf.-Fresh)Nutrient,Bacteria  
 site(G2NE1143)  
 Group B:(Surf.-Fresh)CTCLR,PCL,PCB,PSNP,TRSQR  
 site (20030577)  
 Group C:(Surf.Fresh) PSNP,TRSQR,Bacteria(G2NE1222)  
 Group D:(Surf.Fresh)Bacteria, Marker Tracer  
 sites(20030688)  
 Group E: Blank-PSNP, TRSQR

NE-DIV-ECQ

**Packing Notes:**

#####  
 W-TR-SQ-R (sunscreen)

Wash your hands thoroughly and wear gloves. Refrain from using sunscreens on the day of sample collection.

#####

**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 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                                             |

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

|                                           |                   |                                                 |                                                                                                                 |
|-------------------------------------------|-------------------|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L<br>W-TSS                | Template: DEFAULT | Number of Bottles: 1<br>(SM 2540 D-2015)        | Preserved With: ICE<br>Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample           |
| Bottle Type: BP-1L<br>CHLSUITE-W          | Template: DEFAULT | Number of Bottles: 1<br>(SM 10200 H (mod.))     | Preserved With: ICE<br>Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |
| Bottle Type: P-250ML-WI-THI<br>NE-DIV-ECQ | Template: DEFAULT | Number of Bottles: 1<br>(SM 9223 B Quanti-Tray) | Preserved With: ICE<br>E. coli by Colilert/QT by Diversified Environmental Laboratories in Jacksonville         |
| Bottle Type: P-500ML<br>W-NH3             | Template: DEFAULT | Number of Bottles: 1<br>(EPA 350.1 Rev. 2.0)    | Preserved With: ICE And H2SO4<br>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: BG-500ML FILL TO<br>W-CT-CI-R | Template: DEFAULT | Number of Bottles: 4<br>(EPA 8276)  | Preserved With: ICE<br>Chlordane and Toxaphene in water matrices by GC/MS with Negative Chemical Ionization |
| W-PCB-TQ-R                                 | Template: DEFAULT | (EPA 8270E)                         | PCBs in water matrices by GC/MS/MS                                                                          |
| W-PCL-TQ-R                                 | Template:         | (EPA 8270E)                         | Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS                            |
| Bottle Type: BG-500ML<br>W-PSNP-TQ         | Template: DEFAULT | Number of Bottles: 4<br>(EPA 8270E) | Preserved With: ICE<br>Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS               |
| W-TR-SQ-R                                  | Template: DEFAULT | (EPA 8270E)                         | Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM                                  |

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

|                                           |                   |                                                 |                                                                                                         |
|-------------------------------------------|-------------------|-------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Bottle Type: P-250ML-WI-THI<br>NE-DIV-ECQ | Template: DEFAULT | Number of Bottles: 1<br>(SM 9223 B Quanti-Tray) | Preserved With: ICE<br>E. coli by Colilert/QT by Diversified Environmental Laboratories in Jacksonville |
| Bottle Type: BG-500ML<br>W-PSNP-TQ        | Template: DEFAULT | Number of Bottles: 2<br>(EPA 8270E)             | Preserved With: ICE<br>Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS           |
| W-TR-SQ-R                                 | Template: DEFAULT | (EPA 8270E)                                     | Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM                              |

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

|                                           |                   |                                                 |                                                                                                                                                        |
|-------------------------------------------|-------------------|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: QPCR-P-500ML<br>PCR-BACR     | Template: DEFAULT | Number of Bottles: 1<br>(SOP-PCR-1.4)           | Preserved With: ICE<br>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<br>W-E8321-DI       | Template: DEFAULT | Number of Bottles: 1<br>(EPA 8321B)             | Preserved With: ICE<br>Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                     |
| W-E8321-MS                                | Template: SMP     | (EPA 8321B)                                     | Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                                            |
| Bottle Type: P-250ML-WI-THI<br>NE-DIV-ECQ | Template: DEFAULT | Number of Bottles: 1<br>(SM 9223 B Quanti-Tray) | Preserved With: ICE<br>E. coli by Colilert/QT by Diversified Environmental Laboratories in Jacksonville                                                |

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

|                                    |                   |                                     |                                                                                               |
|------------------------------------|-------------------|-------------------------------------|-----------------------------------------------------------------------------------------------|
| Bottle Type: BG-500ML<br>W-PSNP-TQ | Template: DEFAULT | Number of Bottles: 2<br>(EPA 8270E) | Preserved With: ICE<br>Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS |
| W-TR-SQ-R                          | Template: DEFAULT | (EPA 8270E)                         | Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM                    |

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