

# Login Checklist

RQ- 2023 - 02 - 20 - 14

Login Station ID: # 2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 02/23/2023 / 09:12

| *Cooler Temperature | Samples Frozen?<br>YES | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |    |          |    | Waybill Tracking # |
|---------------------|------------------------|----------------------------------------|----------|---------------------------------------|---------------|----|----------|----|--------------------|
|                     |                        | HNO <sub>3</sub>                       | Formalin |                                       | Present?      |    | *Intact? |    |                    |
|                     |                        |                                        |          |                                       | Yes           | No | Yes      | No |                    |
| 1.6C                |                        |                                        |          | 11                                    |               | X  |          |    | 5859 4732 0212     |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |

## COOLER CHECK

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

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

Chain of Custody/ Field Sheet(s) Included?

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

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

Yes ✓ No X *ABS*

## CONTAINER CHECK

Evidence Tape on Bottles?

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

If Criminal, photographs taken?

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

Caps on tight?

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

Sufficient Sample Volume:

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

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

CHLORINE CHECK REQUIRED? (Blue dot on container)

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

Chlorine detected? (One container checked per Field ID)

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

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

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

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

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

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

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

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

Coolers Unpacked/Checked by: ABS /

Date: 02/23/2023

Event contains NCRs (Y/N)? N

Event ID: NE - DIST - 2023 - 02 - 23 - 0

## Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

|                          |                          |
|--------------------------|--------------------------|
| Infrared Thermometer ID: | IRTG # 2 EXP:10/17/2023  |
| pH Test Strips 0 – 6     | LOT#223819AV EXP:8/30/23 |
| pH Paper 0 – 3           | N/A                      |
| pH Paper 0 – 13          | LOT#207621 EXP:3/15/2024 |
| Chlorine Test Strips     | 0070 / 2023 / 02         |

### ENCORE SAMPLES

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

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

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

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

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

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

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
CHAIN OF CUSTODY FORM

**Date:** 2/22/2023 **Collected By:** Jeremy Parrish, Niki Barham  
**Customer:** NE-DIST **Sampling Agency:** FDEP  
**RQ:** RQ-2023-02-20-14 **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                                                                                  |
|-----------------------------------------|--------------------------------------------------------------------------------------------------|
| PIGEON CREEK @ ANDREWS RD               | <br>19010098   |
| Alligator CR at SR200                   | <br>19021007   |
| Unnamed Branch above Alligator cr.      | <br>G4NE0288 |
| PLUMMER CR @ WILDWOOD RD (FKA YULEE RD) | <br>19020063 |

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 2/22/2023

1600 EST

**THIS SECTION TO BE COMPLETED BY LABORATORY**

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

**Rec'd/Inspected**

**Date:** 02/23/2023 / 09:12



RQ-2023-02-20-14

Collected By: Jeremy Parrish, Niki Barham

Customer: FDEP

Field Report Prepared by: Jeremy Parrish, Niki Barham

Project ID: SMP

Sampling Agency: FDEP

WIN ID/Field ID:



WIN ID/Field ID: 19010098

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

Location: PIGEON CREEK @ ANDREWS 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) |
|------------------------------------|-----------------------------------------------------------------------------|---------------|------------------------------------------|------|------------------|--------------|-----------------|-----------------------|----------------|
| 2/22/2023<br>945                   | 1.34                                                                        | 14.3          | 17.7                                     | 5.03 | 0.1              | 0.2          | 0.2             | 74                    | 0.03           |
| Parameter Suite                    | Parameter Methods                                                           |               |                                          |      | Preservation     |              | pH Check        | # Bottles sent to Lab | Bottle Group   |
| Preserved Nutrients (P-500ML)      | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                 |               |                                          |      | Ice H2SO4*       |              | <2              |                       |                |
|                                    | Lot #                                                                       |               | Exp:                                     |      |                  |              |                 |                       |                |
| Metals (P-500ML)                   | x W-ICPMS                                                                   | x W-ICP       | x W-HARD                                 | x    | x Ice            | x HNO3*      | X <2            | 1                     | D              |
|                                    | Lot #                                                                       |               | Na2126030                                |      | Exp: 6/2/23      |              |                 |                       |                |
| Filtered Nutrients (P125ML)        | W-PO4-F                                                                     |               | Field Filtered 0.45 um Filter            |      | Ice              |              |                 |                       |                |
|                                    | Filter Lot #                                                                | Syringe Lot # |                                          |      |                  |              |                 |                       |                |
| BOD (BP-1L)                        | OV-BODUNIN                                                                  |               |                                          |      | Ice              |              |                 |                       |                |
| Chlorophyll (BP-1L)                | CHLSUITE-W                                                                  |               |                                          |      | Ice              |              |                 |                       |                |
| Physical/Aggregate (Fresh) (P-1L)  | Alkalinity / W-F / W-TSS / TURBIDITY / W-Q-IC / W-COLOR / W-SO4-IC / W- TDS |               |                                          |      | Ice              |              |                 |                       |                |
| Physical/Aggregate (Marine) (P-1L) | Alkalinity / W-F / W-TSS / TURBIDITY                                        |               |                                          |      | Ice              |              |                 |                       |                |
| Macroinvertebrates (PJ-2L)         | MI-FW-QLDC                                                                  |               | Formalin Lot #                           |      | Formalin         |              |                 |                       |                |
| Periphyton (PT-50ML)               | ALGAE-ID                                                                    |               |                                          |      | Ice              |              |                 |                       |                |
| Microbiology (Contract Lab Bottle) | X E Coli                                                                    | F Coli        | Enterococci                              | x    | x Ice            |              |                 | 1                     | D              |
|                                    | Contract Lab                                                                |               |                                          |      |                  |              |                 |                       |                |
| Molecular (QPCR-P-500ML)           | PCR-HF183                                                                   |               | PCR-BacR                                 |      | PCR-DG3          |              |                 |                       |                |
|                                    | PCR-GULL2                                                                   |               | PCR-GFD                                  |      |                  |              |                 |                       |                |
| Tracers (BG-500ML)                 | W-E8321-DI                                                                  |               | W-E8321-MS                               |      | Ice              |              |                 |                       |                |
| Pesticides (BG-500ML) (BG-1L)      | W-E8321-DI                                                                  |               | W-E8321-MS                               |      | W-PSNP-TQ        |              | 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             |      |                  |              |                 |                       |                |

WIN ID/Field ID:   
WIN ID/Field ID: 19021007

**Location:** Alligator CR at SR200

(Check One) ☒ Grab ☐ Composite

| 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            | B |  |
|                                    |                                   | Lot #                                                                        |                                          | Sa2145160                     |  | Exp:        | 6/2/23       |     |           |           |       |                       |              |   |  |
| 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 |           |           |       |                       |              |   |  |
| Physical/Aggregate (Fresh) (P-1L)  | X                                 | Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS |                                          |                               |  |             | X            | 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       |           |       |                       |              |   |  |
|                                    | 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          |     | H2SO 4*   |           | <2    |                       |              |   |  |
|                                    | Acid Preservative Expiration Date |                                                                              |                                          |                               |  |             |              |     |           |           |       |                       |              |   |  |
|                                    | Acid Preservative Lot Number      |                                                                              |                                          |                               |  |             |              |     |           |           |       |                       |              |   |  |



|                                                                                                                                               |                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| <b>RQ-2023-02-20-14</b>                                                                                                                       | <b>Collected By: Jeremy Parrish, Niki Barham</b>                          |
| <b>Customer: FDEP</b>                                                                                                                         | <b>Field Report Prepared by: Jeremy Parrish, Niki Barham</b>              |
| <b>Project ID: SMP</b>                                                                                                                        | <b>Sampling Agency: FDEP</b>                                              |
| <b>WIN ID/Field ID:</b> <br><b>WIN ID/Field ID: G4NE0288</b> | <b>Comments: Microbiology sample(s) submitted to contract laboratory.</b> |

**Location:** Unnamed Branch above Alligator cr.

**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) |           |       |   |    |   |   |
|------------------------------------|-------------------|------------------------------------------------------------------------------|----------------|------------------------------------------|-------------------------------|--------------|-----------------|-----------------------|----------------|-----------|-------|---|----|---|---|
| 2/22/2023<br>1035                  | 5.7               | 61.2                                                                         | 19             | 6.86                                     | 0.3                           | 0.4          | 0.4             | 339                   | 0.16           |           |       |   |    |   |   |
| 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 #                                                                        | Sa2145160      |                                          | Exp:                          | 6/2/23       |                 |                       |                |           |       |   |    |   |   |
| Metals (P-500ML)                   | X                 | W-ICPMS                                                                      |                | X                                        | W-ICP                         | X            | W-HARD          | X                     | Ice            | X         | HNO3* | X | <2 | 1 | A |
|                                    |                   | Lot #                                                                        | Na2126030      |                                          | Exp:                          | 6/2/23       |                 |                       |                |           |       |   |    |   |   |
| Filtered Nutrients (P125ML)        |                   | W-PO4-F                                                                      |                |                                          | Field Filtered 0.45 µm Filter |              |                 | Ice                   |                |           |       |   |    |   |   |
|                                    |                   | Filter Lot #                                                                 |                |                                          | Syringe Lot #                 |              |                 |                       |                |           |       |   |    |   |   |
| BOD (BP-1L)                        |                   | OV-BODUNIN                                                                   |                |                                          |                               |              | Ice             |                       |                |           |       |   |    |   |   |
| Chlorophyll (BP-1L)                | X                 | CHLSUITE-W                                                                   |                |                                          |                               | X            | Ice             |                       |                |           | 1     | A |    |   |   |
| Physical/Aggregate (Fresh) (P-1L)  | X                 | Alkalinity / W-F / W-TSS / TURBIDITY / W-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 (PI-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 µm Filter            |                               |              | Ice             |                       | H2SO 4*        |           | <2    |   |    |   |   |
|                                    |                   |                                                                              |                | Acid Preservative Expiration Date        |                               |              |                 |                       |                |           |       |   |    |   |   |
|                                    |                   |                                                                              |                | Acid Preservative Lot Number             |                               |              |                 |                       |                |           |       |   |    |   |   |



|                  |                                                       |
|------------------|-------------------------------------------------------|
| RQ-2023-02-20-14 | Collected By: Jeremy Parrish, Niki Barham             |
| Customer: FDEP   | Field Report Prepared by: Jeremy Parrish, Niki Barham |
| Project ID: SMP  | Sampling Agency: FDEP                                 |

WIN ID/Field ID:



WIN ID/Field ID: 19020063

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

Location: PLUMMER CR @ WILDWOOD RD (FKA YULEE 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 (PPTH) |                       |              |    |    |   |   |
|------------------------------------|-----------------------------------|------------------------------------------------------------------------------|------------------------------------------|-------------------------------|------------------|--------------|-----------------|---------------------|-----------------|-----------------------|--------------|----|----|---|---|
| 2/22/2023 1115                     | 2.05                              | 22.4                                                                         | 18.9                                     | 5.49                          | 0.3              | 0.4          | 0.8             | 181                 | 0.09            |                       |              |    |    |   |   |
| 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  | C  |   |   |
|                                    |                                   | Lot #                                                                        |                                          | Sa2145160                     |                  | Exp:         | 6/2/23          |                     |                 |                       |              |    |    |   |   |
| Metals (P-500ML)                   |                                   | W-ICPMS                                                                      |                                          | W-ICP                         |                  | W-HARD       |                 |                     | Ice             |                       | HNO3*        |    | <2 |   |   |
|                                    |                                   | Lot #                                                                        |                                          | Exp:                          |                  |              |                 |                     |                 |                       |              |    |    |   |   |
| Filtered Nutrients (P125ML)        |                                   | W-PO4-F                                                                      |                                          | Field Filtered 0.45 µm Filter |                  |              |                 |                     | Ice             |                       | <2           |    |    |   |   |
|                                    |                                   | Filter Lot #                                                                 | Syringe Lot #                            |                               |                  |              |                 |                     |                 |                       |              |    |    |   |   |
| BOD (BP-1L)                        |                                   | OV-BODUNIN                                                                   |                                          |                               |                  |              | Ice             |                     |                 |                       |              |    |    |   |   |
| Chlorophyll (BP-1L)                | X                                 | CHLSUITE-W                                                                   |                                          |                               |                  | X            | Ice             |                     | 1               |                       |              |    |    | C |   |
| 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               |                       |              |    |    | C |   |
| 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 |
|                                    | X                                 | Contract Lab                                                                 |                                          |                               |                  |              |                 |                     |                 |                       |              |    |    |   |   |
| Molecular (QPCR-P-500ML)           |                                   | PCR-HF183                                                                    |                                          | PCR-BacR                      |                  | PCR-DG3      |                 |                     | Ice             |                       |              |    |    |   |   |
|                                    |                                   | PCR-GULL2                                                                    |                                          | PCR-GFD                       |                  |              |                 |                     |                 |                       |              |    |    |   |   |
| Tracers (BG-500ML)                 |                                   | W-E8321-DI                                                                   |                                          | W-E8321-MS                    |                  |              |                 |                     | Ice             |                       |              |    |    |   |   |
| Pesticides (BG-500ML) (BG-1L)      |                                   | W-E8321-DI                                                                   | W-E8321-MS                               |                               | W-PSNP-TQ        |              | Ice             | MCAA Exp.           | MCAA Lot#       |                       |              |    |    |   |   |
|                                    |                                   | W-PCL-TQ-R                                                                   | W-CARB-AA (5 ml of MCAA Buffer Solution) |                               | W-CT-CL-R        |              |                 |                     |                 |                       |              |    |    |   |   |
|                                    |                                   | W-TR-SQ-R                                                                    |                                          | W-PCB-TQ-R                    |                  |              |                 |                     |                 |                       |              |    |    |   |   |
| Phytoplankton                      |                                   | DTY-QN-C                                                                     |                                          | PKD-QN-BV                     |                  |              |                 |                     | Ice             |                       |              |    |    |   |   |
| DOC                                |                                   | W-DOC                                                                        | Field Filtered 0.45 µm Filter            |                               |                  |              |                 | Ice                 |                 | H2SO 4*               |              | <2 |    |   |   |
|                                    | Acid Preservative Expiration Date |                                                                              |                                          |                               |                  |              |                 |                     |                 |                       |              |    |    |   |   |
|                                    | Acid Preservative Lot Number      |                                                                              |                                          |                               |                  |              |                 |                     |                 |                       |              |    |    |   |   |



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Date of Request: 10-JAN-2023  
 Created By: PARRISH\_J On: 10-JAN-2023  
 Modified By: JASROTIA\_P On: 31-JAN-2023  
 Customer: NE-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Northeast District  
 Event Description: Nassau North 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: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: AYRES\_J On: 31-JAN-2023  
 Biology Request Reviewed By: JASROTIA\_P On: 31-JAN-2023  
 Sampling Kit Required: YES Ship on: 10-FEB-2023  
 Sampling Kit Shipped: YES On: 01-FEB-2023  
 Sampling Kit Packed By: PENDLETO\_C  
 Preservatives Needed: NO  
 Date to Receive Samples: 20-FEB-2023  
 Logged In By: SHAIK\_A On: 23-FEB-2023

**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)Nutrients,Metals, Bacteria  
 site(G4NE0288)  
 Group B:(Surf.Fresh)Nutrients, Bacteria  
 site(19021007)  
 Group C:(Surf.Salt) Nutrients, Bacteria  
 site (19020063)  
 Group D:(Surf.fresh) Metals, Bacteria  
 site (19010098)

NE-DIV-ENQ  
 NE-DIV-ECQ

Packing Notes:  
 None

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

|                             |                      |                                                                                                                                                |
|-----------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: BP-1L          | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| CHLSUITE-W                  | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                                   |
| Bottle Type: P-250ML-WI-THI | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| NE-DIV-ECQ                  | Template: DEFAULT    | (SM 9223 B Quanti-Tray) E. coli by Colilert/QT by Diversified Environmental Laboratories in Jacksonville                                       |
| Bottle Type: P-500ML        | Number of Bottles: 1 | Preserved With: HNO3                                                                                                                           |
| W-HARD                      | Template: DEFAULT    | (SM 2340 B-2011) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3                                                          |
| Hardness                    |                      |                                                                                                                                                |
| W-ICP                       | Template: SMP-FRESH  | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| Calcium                     |                      |                                                                                                                                                |
| Iron                        |                      |                                                                                                                                                |
| Magnesium                   |                      |                                                                                                                                                |
| Potassium                   |                      |                                                                                                                                                |
| Sodium                      |                      |                                                                                                                                                |
| Strontium                   |                      |                                                                                                                                                |
| Tin                         |                      |                                                                                                                                                |
| Titanium                    |                      |                                                                                                                                                |
| Vanadium                    |                      |                                                                                                                                                |
| Zinc                        |                      |                                                                                                                                                |
| W-ICPMS                     | Template: DEFAULT    | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects                    |
| Aluminum                    |                      |                                                                                                                                                |
| Antimony                    |                      |                                                                                                                                                |
| Arsenic                     |                      |                                                                                                                                                |
| Barium                      |                      |                                                                                                                                                |
| Beryllium                   |                      |                                                                                                                                                |
| Boron                       |                      |                                                                                                                                                |
| Cadmium                     |                      |                                                                                                                                                |
| Chromium                    |                      |                                                                                                                                                |
| Cobalt                      |                      |                                                                                                                                                |
| Copper                      |                      |                                                                                                                                                |
| Lead                        |                      |                                                                                                                                                |
| Manganese                   |                      |                                                                                                                                                |
| Molybdenum                  |                      |                                                                                                                                                |
| Nickel                      |                      |                                                                                                                                                |
| Selenium                    |                      |                                                                                                                                                |
| Silver                      |                      |                                                                                                                                                |
| Thallium                    |                      |                                                                                                                                                |

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

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

|                    |                      |                                                                                                         |
|--------------------|----------------------|---------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L  | Number of Bottles: 1 | Preserved With: ICE                                                                                     |
| ALKALINITY         | Template: DEFAULT    | (SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO3/L                                           |
| TURBIDITY          | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                      |
| W-CL-IC            | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                       |
| W-COLOR            | Template: DEFAULT    | (DEP SOP: NU-094-1) True Color measured at 450 nm (not valid for NPDES monitoring)                      |
| Color (true)       |                      |                                                                                                         |
| W-F                | Template: DEFAULT    | (SM 4500-F- C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring) |
| W-SO4-IC           | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                        |
| W-TDS              | Template: DEFAULT    | (SM 2540 C-2015) Total Dissolved Solids in aqueous matrices                                             |
| W-TSS              | Template: DEFAULT    | (SM 2540 D-2015) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample         |
| Bottle Type: BP-1L | Number of Bottles: 1 | Preserved With: ICE                                                                                     |

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

|                             |                      |                                                                                                              |
|-----------------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: BP-1L          | Number of Bottles: 1 | Preserved With: ICE                                                                                          |
| CHLSUITE-W                  | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |
| Bottle Type: P-250ML-WI-THI | Number of Bottles: 1 | Preserved With: ICE                                                                                          |
| NE-DIV-ECQ                  | Template: DEFAULT    | (SM 9223 B Quanti-Tray) E. coli by Colilert/QT by Diversified Environmental Laboratories in Jacksonville     |
| 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 C (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-F                         | Template: DEFAULT    | (SM 4500-F- C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)      |
| W-TSS                       | Template: DEFAULT    | (SM 2540 D-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 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |
| Bottle Type: P-250ML-WI-THI | Number of Bottles: 1 | Preserved With: ICE                                                                                          |
| NE-DIV-ENQ                  | Template: DEFAULT    | (Enterolert/QT) Enterococci by Enterolert/QT by Diversified Environmental Laboratories in Jacksonville       |
| 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 D (Water) With 1 Samples:**

|                             |                      |                                                                                                                                                |
|-----------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-250ML-WI-THI | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| NE-DIV-ECQ                  | Template: DEFAULT    | (SM 9223 B Quanti-Tray) E. coli by Colilert/QT by Diversified Environmental Laboratories in Jacksonville                                       |
| Bottle Type: P-500ML        | Number of Bottles: 1 | Preserved With: HNO3                                                                                                                           |
| W-HARD                      | Template: DEFAULT    | (SM 2340 B-2011) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3                                                          |
| Hardness                    |                      |                                                                                                                                                |
| W-ICP                       | Template: SMP-FRESH  | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| Calcium                     |                      |                                                                                                                                                |
| Iron                        |                      |                                                                                                                                                |
| Magnesium                   |                      |                                                                                                                                                |
| Potassium                   |                      |                                                                                                                                                |
| Sodium                      |                      |                                                                                                                                                |
| Strontium                   |                      |                                                                                                                                                |
| Tin                         |                      |                                                                                                                                                |
| Titanium                    |                      |                                                                                                                                                |
| Vanadium                    |                      |                                                                                                                                                |
| Zinc                        |                      |                                                                                                                                                |
| W-ICPMS                     | Template: DEFAULT    | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects                    |
| Aluminum                    |                      |                                                                                                                                                |
| Antimony                    |                      |                                                                                                                                                |
| Arsenic                     |                      |                                                                                                                                                |
| Barium                      |                      |                                                                                                                                                |
| Beryllium                   |                      |                                                                                                                                                |
| Boron                       |                      |                                                                                                                                                |
| Cadmium                     |                      |                                                                                                                                                |
| Chromium                    |                      |                                                                                                                                                |

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

Bottle Type: P-500ML

Number of Bottles: 1

Preserved With: HNO3

W-ICPMS

Template: DEFAULT

(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Cobalt

Copper

Lead

Manganese

Molybdenum

Nickel

Selenium

Silver

Thallium