

# Login Checklist

RQ- 2023-01-23-16

Login Station ID: 5

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 1/24 / 23 @ 9:30

| *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 |                     |
| <u>0.4</u>          |                        |                                        |          | <u>13</u>                             |               | <u>X</u> |          |    | <u>585947822340</u> |
|                     |                        |                                        |          |                                       |               |          |          |    |                     |
|                     |                        |                                        |          |                                       |               |          |          |    |                     |
|                     |                        |                                        |          |                                       |               |          |          |    |                     |
|                     |                        |                                        |          |                                       |               |          |          |    |                     |
|                     |                        |                                        |          |                                       |               |          |          |    |                     |
|                     |                        |                                        |          |                                       |               |          |          |    |                     |

## 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 X No \_\_\_\_\_

## CONTAINER CHECK

Evidence Tape on Bottles?

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

If Criminal, photographs taken?

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

Caps on tight?

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

Sufficient Sample Volume:

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

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

CHLORINE CHECK REQUIRED? (Blue dot on container)

Yes ✓ No \_\_\_\_\_ Init: [Signature]

Chlorine detected? (One container checked per Field ID)

Yes \_\_\_\_\_ No ✓ Init: [Signature]

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 ✓ No \_\_\_\_\_ NA \_\_\_\_\_ Init: [Signature]

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

Yes \_\_\_\_\_ No \_\_\_\_\_ NA ✓ Init: [Signature]

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

Coolers Unpacked/Checked by: C. P

Date: 1/ 24 /23

Event contains NCRs (Y/N)? N

Event ID: SO-DIST-2023-01-24-01 (SMP)  
Date Received: 24-JAN-2023 09:30

## 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 02/2023       |

### 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:** 1/23/2023  
**Customer:** SO-DIST  
**RQ:** RQ-2023-01-23-16  
**Collected By:** Monica Jaeger, William Mullen  
**Sampling Agency:** FDEP  
**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                                                                                  |
|---------------------------------|--------------------------------------------------------------------------------------------------|
| PRAIRIE CREEK @ WASHINGTON LOOP | <br>G3SD0067   |
| Shell Cr. @ Hathaway Park       | <br>G3SD0120   |
| ShellCreekReservoirMid          | <br>G3SD0204 |
| Myrtle Slough @ Bermont         | <br>G3SD0181 |

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 1/23/2023  
1500 EST

**THIS SECTION TO BE COMPLETED BY LABORATORY**

Rec'd/Inspected By: 

Rec'd/Inspected  
Date: 1-24-23



|                                                                                                                                               |                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| RQ-2023-01-23-16                                                                                                                              | <b>Collected By:</b> Monica Jaeger, William Mullen                        |
| <b>Customer:</b> FDEP                                                                                                                         | <b>Field Report Prepared by:</b> Monica Jaeger, William Mullen            |
| <b>Project ID:</b> SMP                                                                                                                        | <b>Sampling Agency:</b> FDEP                                              |
| <b>WIN ID/Field ID:</b> <br><b>WIN ID/Field ID:</b> G3SD0067 | <b>Comments:</b> Microbiology sample(s) submitted to contract laboratory. |

**Location:** PRAIRIE CREEK @ WASHINGTON LOOP

**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)        |              |   |  |  |  |  |
|------------------------------------|-----------|-----------------------------------------------------------------------------|------------------------------------------|-----------|------------------|--------------|-----------------|--------------------|-----------------------|--------------|---|--|--|--|--|
| 1/23/2023<br>845                   | 6.33      | 71.6                                                                        | 21.4                                     | 7.09      | 0.3              | 1.2          | 3.9             | 814                | 0.4                   |              |   |  |  |  |  |
| Parameter Suite                    |           | Parameter Methods                                                           |                                          |           |                  | Preservation |                 | pH Check           | # Bottles sent to Lab | Bottle Group |   |  |  |  |  |
| Preserved Nutrients (P-500ML)      |           | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                 |                                          |           |                  | Ice          |                 | H2SO4*             | <2                    |              |   |  |  |  |  |
|                                    |           | Lot #                                                                       |                                          | Exp:      |                  |              |                 |                    |                       |              |   |  |  |  |  |
| Metals (P-500ML)                   |           | W-ICPMS / W-ICP / W-HARD                                                    |                                          |           |                  | Ice          |                 | HNO3*              | <2                    |              |   |  |  |  |  |
|                                    |           | Lot #                                                                       |                                          | Exp:      |                  |              |                 |                    |                       |              |   |  |  |  |  |
| Filtered Nutrients (P125ML)        |           | W-PO4-F / Field Filtered 0.45 µm Filter                                     |                                          |           |                  | Ice          |                 |                    |                       |              |   |  |  |  |  |
|                                    |           | Filter Lot #                                                                | Syringe Lot #                            |           |                  |              |                 |                    |                       |              |   |  |  |  |  |
| BOD (BP-1L)                        |           | OV-BODUNIN                                                                  |                                          |           |                  | Ice          |                 |                    |                       |              |   |  |  |  |  |
| Chlorophyll (BP-1L)                |           | CHLSUITE-W                                                                  |                                          |           |                  | Ice          |                 |                    |                       |              |   |  |  |  |  |
| Physical/Aggregate (Fresh) (P-1L)  |           | Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS |                                          |           |                  | Ice          |                 |                    |                       |              |   |  |  |  |  |
| Physical/Aggregate (Marine) (P-1L) |           | Alkalinity / W-F / W-TSS / TURBIDITY                                        |                                          |           |                  | Ice          |                 |                    |                       |              |   |  |  |  |  |
| Macroinvertebrates (PJ-2L)         |           | MI-FW-QLDC                                                                  | Formalin Lot #                           |           |                  | Formalin     |                 |                    |                       |              |   |  |  |  |  |
| Periphyton (PT-50ML)               |           | ALGAE-ID                                                                    |                                          |           |                  | Ice          |                 |                    |                       |              |   |  |  |  |  |
| Microbiology (Contract Lab Bottle) |           | X E Coli                                                                    | F Coli                                   |           | Enterococci      | x Ice        |                 |                    | 1                     | A            |   |  |  |  |  |
|                                    |           | Contract Lab                                                                |                                          |           |                  |              |                 |                    |                       |              |   |  |  |  |  |
| Molecular (QPCR-P-500ML)           |           | X PCR-HF183                                                                 | X PCR-BacR                               | X PCR-DG3 |                  | x Ice        |                 |                    | 1                     | A            |   |  |  |  |  |
|                                    |           | PCR-GULL2 / PCR-GFD                                                         |                                          |           |                  |              |                 |                    |                       |              |   |  |  |  |  |
| Tracers (BG-500ML)                 |           | X W-E8321-DI                                                                | X W-E8321-MS                             |           |                  | x Ice        |                 |                    | 1                     | A            |   |  |  |  |  |
| Pesticides (BG-500ML) (BG-1L)      |           | W-E8321-DI                                                                  | W-E8321-MS                               | X         | W-PSNP-TQ        | x            | Ice             | MCAA Exp.          | MCAA Lot#             | 4            | A |  |  |  |  |
|                                    |           | 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 µm Filter                                       |                                          |           |                  | Ice          |                 | H2SO4*             | <2                    |              |   |  |  |  |  |
|                                    |           | Acid Preservative Expiration Date                                           |                                          |           |                  |              |                 |                    |                       |              |   |  |  |  |  |
|                                    |           | Acid Preservative Lot Number                                                |                                          |           |                  |              |                 |                    |                       |              |   |  |  |  |  |



|                                                                                                                                 |                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| RQ-2023-01-23-16                                                                                                                | Collected By: Monica Jaeger, William Mullen                        |
| Customer: FDEP                                                                                                                  | Field Report Prepared by: Monica Jaeger, William Mullen            |
| Project ID: SMP                                                                                                                 | Sampling Agency: FDEP                                              |
| WIN ID/Field ID: <br>WIN ID/Field ID: G3SD0120 | Comments: Microbiology sample(s) submitted to contract laboratory. |

Location: Shell Cr. @ Hathaway Park

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)        |              |  |  |  |  |  |
|------------------------------------|-----------|------------------------------------------------------------------------------|-----------------|------------------------------------------|------------------|-----------------|-----------------|-----------------------------------|-----------------------|--------------|--|--|--|--|--|
| 1/23/2023<br>915                   | 9.34      | 104.4                                                                        | 20.7            | 7.64                                     | 0.3              | 1.4             | 2.9             | 912                               | 0.45                  |              |  |  |  |  |  |
| 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* |                 | X      <2                         |                       |              |  |  |  |  |  |
|                                    |           | Lot #                                                                        |                 | Exp:                                     |                  |                 |                 |                                   |                       |              |  |  |  |  |  |
| Metals (P-500ML)                   |           | X    W-ICPMS                                                                 | X    W-ICP      | X    W-HARD                              | X    Ice         | X    HNO3*      |                 |                                   | 1                     | B            |  |  |  |  |  |
|                                    |           | Lot #                                                                        |                 | Exp:                                     |                  | 6/7/23          |                 |                                   |                       |              |  |  |  |  |  |
| Filtered Nutrients (P125ML)        |           | W-PO4-F      Field Filtered 0.45 µm Filter                                   |                 |                                          |                  | Ice             |                 |                                   |                       |              |  |  |  |  |  |
|                                    |           | Filter Lot #                                                                 |                 | Syringe Lot #                            |                  |                 |                 |                                   |                       |              |  |  |  |  |  |
| BOD (BP-1L)                        |           | OV-BODUNIN                                                                   |                 |                                          |                  | Ice             |                 |                                   |                       |              |  |  |  |  |  |
| Chlorophyll (BP-1L)                |           | CHLSUITE-W                                                                   |                 |                                          |                  | Ice             |                 |                                   |                       |              |  |  |  |  |  |
| Physical/Aggregate (Fresh) (P-1L)  |           | Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W- TDS |                 |                                          |                  | Ice             |                 |                                   |                       |              |  |  |  |  |  |
| Physical/Aggregate (Marine) (P-1L) |           | Alkalinity / W-F / W-TSS / TURBIDITY                                         |                 |                                          |                  | Ice             |                 |                                   |                       |              |  |  |  |  |  |
| Macroinvertebrates (PJ-2L)         |           | MI-FW-QLDC                                                                   |                 | Formalin Lot #                           |                  | Formalin        |                 |                                   |                       |              |  |  |  |  |  |
| Periphyton (PT-50ML)               |           | ALGAE-ID                                                                     |                 |                                          |                  | Ice             |                 |                                   |                       |              |  |  |  |  |  |
| Microbiology (Contract Lab Bottle) |           | X    E Coli                                                                  | X    F Coli     | X    Enterococci                         | X    Ice         |                 |                 |                                   | 1                     | B            |  |  |  |  |  |
|                                    |           | Contract Lab                                                                 |                 |                                          |                  |                 |                 |                                   |                       |              |  |  |  |  |  |
| Molecular (QPCR-P-500ML)           |           | X    PCR-HF183                                                               | X    PCR-BacR   | X    PCR-DG3                             | X    Ice         |                 |                 |                                   | 1                     | B            |  |  |  |  |  |
|                                    |           | PCR-GULL2      PCR-GFD                                                       |                 |                                          |                  |                 |                 |                                   |                       |              |  |  |  |  |  |
| Tracers (BG-500ML)                 |           | X    W-E8321-DI                                                              | X    W-E8321-MS |                                          |                  | X    Ice        |                 |                                   | 1                     | B            |  |  |  |  |  |
| Pesticides (BG-500ML) (BG-1L)      |           | W-E8321-DI                                                                   |                 | W-E8321-MS                               |                  | W-PSNP-TQ       |                 | Ice      MCAA Exp.      MCAA Lot# |                       |              |  |  |  |  |  |
|                                    |           | W-PCL-TQ-R                                                                   |                 | W-CARB-AA (5 ml of MCAA Buffer Solution) |                  | W-CT-CL-R       |                 |                                   |                       |              |  |  |  |  |  |
|                                    |           | W-TR-SQ-R                                                                    |                 | W-PCB-TQ-R                               |                  |                 |                 |                                   |                       |              |  |  |  |  |  |
| Phytoplankton                      |           | DTY-QN-C                                                                     |                 | PKD-QN-BV                                |                  | Ice             |                 |                                   |                       |              |  |  |  |  |  |
| DOC                                |           | W-DOC      Field Filtered 0.45 µm Filter                                     |                 |                                          |                  | Ice      H2SO4* |                 |                                   | <2                    |              |  |  |  |  |  |
|                                    |           | Acid Preservative Expiration Date                                            |                 |                                          |                  |                 |                 |                                   |                       |              |  |  |  |  |  |
|                                    |           | Acid Preservative Lot Number                                                 |                 |                                          |                  |                 |                 |                                   |                       |              |  |  |  |  |  |

|                                                                                                                                 |                  |                                                                                                                    |          |      |                                                                                         |                                                         |                 |                     |                              |              |
|---------------------------------------------------------------------------------------------------------------------------------|------------------|--------------------------------------------------------------------------------------------------------------------|----------|------|-----------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------|---------------------|------------------------------|--------------|
|                                                | RQ-2023-01-23-16 |                                                                                                                    |          |      |                                                                                         | Collected By: Monica Jaeger, William Mullen             |                 |                     |                              |              |
|                                                                                                                                 | Customer: FDEP   |                                                                                                                    |          |      |                                                                                         | Field Report Prepared by: Monica Jaeger, William Mullen |                 |                     |                              |              |
|                                                                                                                                 | Project ID: SMP  |                                                                                                                    |          |      |                                                                                         | Sampling Agency: FDEP                                   |                 |                     |                              |              |
| WIN ID/Field ID: <br>WIN ID/Field ID: G3SD0204 |                  |                                                                                                                    |          |      | Comments:                                                                               |                                                         |                 |                     |                              |              |
| Location: ShellCreekReservoirMid                                                                                                |                  |                                                                                                                    |          |      |                                                                                         |                                                         |                 |                     |                              |              |
| Matrix: Fresh                                                                                                                   |                  |                                                                                                                    |          |      | (Check One) <input checked="" type="checkbox"/> Grab <input type="checkbox"/> 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 <sub>h</sub> ) |              |
| 1/23/2023 1010                                                                                                                  | 9.14             | 102.2                                                                                                              | 20.7     | 7.99 | 0.3                                                                                     | 0.5                                                     | 1.2             | 783                 | 0.38                         |              |
| 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            |
| Metals (P-500ML)                                                                                                                |                  | W-ICPMS W-ICP W-HARD                                                                                               |          |      | Ice HNO3*                                                                               |                                                         | <2              |                     |                              |              |
| Filtered Nutrients (P125ML)                                                                                                     |                  | W-PO4-F Field Filtered 0.45 µm Filter                                                                              |          |      | Ice                                                                                     |                                                         |                 |                     |                              |              |
| 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-CI-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)                                                                                              |                  | E Coli Contract Lab F Coli Enterococci                                                                             |          |      | Ice                                                                                     |                                                         |                 |                     |                              |              |
| Molecular (QPCR-P-500ML)                                                                                                        |                  | PCR-HF183 PCR-BacR PCR-DG3 PCR-GULL2 PCR-GFD                                                                       |          |      | Ice                                                                                     |                                                         |                 |                     |                              |              |
| Tracers (BG-500ML)                                                                                                              |                  | X W-E8321-DI X W-E8321-MS                                                                                          |          |      | X Ice                                                                                   |                                                         |                 |                     | 1                            | C            |
| Pesticides (BG-500ML) (BG-1L)                                                                                                   |                  | W-E8321-DI W-E8321-MS W-PSNP-TQ W-PCL-TQ-R W-CARB-AA (5 ml of MCAA Buffer Solution) W-CT-CL-R W-TR-SQ-R W-PCB-TQ-R |          |      | Ice MCAA Exp. MCAA Lot#                                                                 |                                                         |                 |                     |                              |              |
| Phytoplankton                                                                                                                   |                  | DTY-QN-C PKD-QN-BV                                                                                                 |          |      | Ice                                                                                     |                                                         |                 |                     |                              |              |
| DOC                                                                                                                             |                  | W-DOC Field Filtered 0.45 µm Filter                                                                                |          |      | Ice H2SO4*                                                                              |                                                         | <2              |                     |                              |              |
|                                                                                                                                 |                  | Acid Preservative Expiration Date                                                                                  |          |      |                                                                                         |                                                         |                 |                     |                              |              |
|                                                                                                                                 |                  | Acid Preservative Lot Number                                                                                       |          |      |                                                                                         |                                                         |                 |                     |                              |              |



|                  |                                                         |
|------------------|---------------------------------------------------------|
| RQ-2023-01-23-16 | Collected By: Monica Jaeger, William Mullen             |
| Customer: FDEP   | Field Report Prepared by: Monica Jaeger, William Mullen |
| Project ID: SMP  | Sampling Agency: FDEP                                   |

WIN ID/Field ID:



WIN ID/Field ID: G3SD0181

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

Location: Myrtle Slough @ Bermont

Matrix: Fresh

(Check One)

☒ Grab☐ Composite

| 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>(PPT) |                          |                 |   |
|------------------------------------|--------------|------------------------------------------------------------------------------|---------------------------------------------|-----------------------------------|---------------------|-----------------|-----------------------|------------------------|-------------------|--------------------------|-----------------|---|
| 1/23/2023<br>1110                  | 4.78         | 55.1                                                                         | 21.8                                        | 7.32                              | 0.3                 | 0.5             | 0.7                   | 616                    | 0.3               |                          |                 |   |
| Parameter Suite                    |              | Parameter Methods                                                            |                                             |                                   |                     | Preservation    |                       | pH Check               |                   | # Bottles<br>sent to Lab | Bottle<br>Group |   |
| Preserved Nutrients (P-500ML)      |              | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                  |                                             |                                   |                     | Ice             | H2SO4*                | <2                     |                   |                          |                 |   |
|                                    |              | Lot #                                                                        |                                             | Exp:                              |                     |                 |                       |                        |                   |                          |                 |   |
| Metals (P-500ML)                   |              | W-ICPMS                                                                      |                                             | W-ICP                             | W-HARD              | Ice             | HNO3*                 | <2                     |                   |                          |                 |   |
|                                    |              | Lot #                                                                        |                                             | Exp:                              |                     |                 |                       |                        |                   |                          |                 |   |
| Filtered Nutrients (P125ML)        |              | W-PO4-F                                                                      |                                             | Field Filtered 0.45 µm Filter     |                     | Ice             |                       |                        |                   |                          |                 |   |
|                                    |              | Filter Lot #                                                                 | Syringe Lot #                               |                                   |                     |                 |                       |                        |                   |                          |                 |   |
| BOD (BP-1L)                        |              | OV-BODUNIN                                                                   |                                             |                                   |                     | Ice             |                       |                        |                   |                          |                 |   |
| Chlorophyll (BP-1L)                |              | CHLSUITE-W                                                                   |                                             |                                   |                     | Ice             |                       |                        |                   |                          |                 |   |
| Physical/Aggregate (Fresh) (P-1L)  |              | Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS |                                             |                                   |                     | Ice             |                       |                        |                   |                          |                 |   |
| Physical/Aggregate (Marine) (P-1L) |              | Alkalinity / W-F / W-TSS / TURBIDITY                                         |                                             |                                   |                     | Ice             |                       |                        |                   |                          |                 |   |
| Macroinvertebrates (PJ-2L)         |              | MI-FW-QLDC                                                                   | Formalin Lot #                              |                                   | Formalin            |                 |                       |                        |                   |                          |                 |   |
| Periphyton (PT-50ML)               |              | ALGAE-ID                                                                     |                                             |                                   |                     | Ice             |                       |                        |                   |                          |                 |   |
| Microbiology (Contract Lab Bottle) |              | X                                                                            | E Coli                                      | F Coli                            | Enterococci         | x               |                       |                        |                   | Ice                      | 1               | 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                                  |                                   | W-PSNP-TQ           | Ice             | MCAA<br>Exp.          | MCAA<br>Lot#           |                   |                          |                 |   |
|                                    |              | W-PCL-TQ-R                                                                   | W-CARB-AA (5 ml of<br>MCAA Buffer Solution) |                                   | W-CT-CL-R           |                 |                       |                        |                   |                          |                 |   |
|                                    |              | W-TR-SQ-R                                                                    |                                             | W-PCB-TQ-R                        |                     |                 |                       |                        |                   |                          |                 |   |
| Phytoplankton                      |              | DTY-QN-C                                                                     |                                             | PKD-QN-BV                         |                     | Ice             |                       |                        |                   |                          |                 |   |
| DOC                                |              | W-DOC                                                                        |                                             | Field Filtered 0.45 µm Filter     |                     | Ice             | H2SO<br>4*            | <2                     |                   |                          |                 |   |
|                                    |              |                                                                              |                                             | Acid Preservative Expiration Date |                     |                 |                       |                        |                   |                          |                 |   |
|                                    |              |                                                                              |                                             | Acid Preservative Lot Number      |                     |                 |                       |                        |                   |                          |                 |   |

Benchmark EnviroAnalytical, Inc.  
1001 Corporate Ave. Suite 102  
North Port, FL 34289  
(941) 625-3137 / (941) 240-3071 fax

Client Name: FDEP  
Address: 2600 Blair Stone Rd.  
Tallahassee, FL, 32399  
Phone: (239) 344-5719  
Email: dep-overflowmicro@dep.state.fl.us  
Bill to: Frances Moore  
P.O. #: Lab ~~85584~~  
CDEFS

2023  
2023-01-23-16  
Project Name: RQ-2021-

Project Run/Location: SVP: Shell Creek

Station  
ID

Enterococci  
E.coli (SM9223B Quantitray)

Laboratory Submission #:

523010545

Surface Water  
Sample Matrix?  
(Fresh / Marine)  
Sample Type

E. coli = 250 mL ; Enteroc = 120 mL ; Fecal Coliform = 120 mL

Laboratory  
Sample #

|           |              |                             |              |      |   |
|-----------|--------------|-----------------------------|--------------|------|---|
| 63500067  | F / M / Grab | E. coli / Enteroc / F. coli | 61/23/23     | 0845 | 1 |
| 63500010  | F / M / Grab | E. coli / Enteroc / F. coli | 01/23/23     | 0416 | 2 |
| 635000181 | F / M / Grab | E. coli / Enteroc / F. coli | 01/23/23     | 1110 | 3 |
|           | F / M / Grab | E. coli / Enteroc / F. coli | Date & Time: |      |   |
|           | F / M / Grab | E. coli / Enteroc / F. coli | Date & Time: |      |   |
|           | F / M / Grab | E. coli / Enteroc / F. coli | Date & Time: |      |   |
|           | F / M / Grab | E. coli / Enteroc / F. coli | Date & Time: |      |   |
|           | F / M / Grab | E. coli / Enteroc / F. coli | Date & Time: |      |   |
|           | F / M / Grab | E. coli / Enteroc / F. coli | Date & Time: |      |   |
|           | F / M / Grab | E. coli / Enteroc / F. coli | Date & Time: |      |   |
|           | F / M / Grab | E. coli / Enteroc / F. coli | Date & Time: |      |   |
|           | F / M / Grab | E. coli / Enteroc / F. coli | Date & Time: |      |   |
|           | F / M / Grab | E. coli / Enteroc / F. coli | Date & Time: |      |   |

Sample Type: is used to indicate whether the sample was a grab (G) or whether it was a composite (C).

Sample Matrix: is used to indicate whether the sample is likely subjected to drinking water (DW), groundwater (GW), surface water (SW), fresh surface water (FSW), saline surface water (SSW), soil, sediment (SDMT), or other (SUC).

Sample Type: is used to indicate whether the sample is a grab (G) or whether it was a composite (C).

Sample must be refrigerated or stored in ice after collection. The maximum temperature during storage should be 4°C (42°F). Under "Preservation," list any preservatives that were added to the sample container.

1. Each bottle has a label identifying sample ID, pre-assigned interval, container, in the bottle, sample type, class ID, and parameters for analysis.

2. The following information should be added to each bottle label after collection with pre-assigned blank, date, time, date and time of collection, sample's name or initials, and any field number or ID.

3. All bottles not containing preservative may be mixed with appropriate sample prior to collection.

4. The client is responsible for documentation of the sampling event. Please refer to the sampling event on the sample custody form.

|   |                                |                      |                   |                                   |                      |                   |
|---|--------------------------------|----------------------|-------------------|-----------------------------------|----------------------|-------------------|
| 1 | Collector: <i>Adrian Allen</i> | Date: <i>6/23/23</i> | Time: <i>1207</i> | Received By: <i>Barbara Kuntz</i> | Date: <i>6/23/23</i> | Time: <i>1207</i> |
| 2 | Relinquished by:               | Date:                | Time:             | Received By:                      | Date:                | Time:             |
| 3 | Relinquished by:               | Date:                | Time:             | Received By:                      | Date:                | Time:             |
| 4 | Relinquished by:               | Date:                | Time:             | Received By:                      | Date:                | Time:             |
| 5 | Relinquished by:               | Date:                | Time:             | Received By:                      | Date:                | Time:             |

Laboratory Sample Acceptability:  
pH < 2 : 0 BEAS Temperature: 4.4°C

BEAS Sample Receipt Temp. 4.4 °C  
Checked at Benchmark EA South E85086  
With Temperature Gun in #7

Date of Request: 28-DEC-2022  
 Created By: MULLEN\_W On: 28-DEC-2022  
 Modified By: JASROTIA\_P On: 05-JAN-2023  
 Customer: SO-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: South District  
 Event Description: 2023 SMP : Shell Creek

**Send Coolers To:**

Phone: 239-344-5716  
 FLDEP South District Office  
 2295 Victoria Ave. Suite 314  
 Fort Myers, FL 33901-3381  
 Attn: William Mullen  
 Cooler Ship EMail: William.Mullen@FloridaDEP.gov

Priority: 3  
 Event Status: S  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: AYRES\_J On: 05-JAN-2023  
 Biology Request Reviewed By: JASROTIA\_P On: 05-JAN-2023  
 Sampling Kit Required: YES Ship on: 13-JAN-2023  
 Sampling Kit Shipped: YES On: 09-JAN-2023  
 Sampling Kit Packed By: PENDLETO\_C  
 Preservatives Needed: NO  
 Date to Receive Samples: 23-JAN-2023  
 Logged In By:

**Send Final Report To:**

FLDEP South District Office  
 2295 Victoria Ave. Suite 314  
 Fort Myers, FL 33901-3381  
 Attn: William Mullen  
 Report Notification EMail:  
 Nicole.Reistad@FloridaDEP.gov;Joh.Barrington@FloridaDEP.gov;  
 William.Mullen@FloridaDEP.gov;Monica.Jaeger@FloridaDEP.gov

Comments: Group A: (Prairie Creek) E. coli, PCR, Tracers, W-PSNP-TQ/W-TR-SQ-R  
 Group B: (Shell@Hathaway) Fresh Metals, E.coli, PCR, Tracers  
 Group C: (Shell Res) Fresh Nutrients, Tracers)  
 Group D: (Myrtle) E.coli

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

|                             |                      |                                                                                                                                               |
|-----------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: QPCR-P-500ML   | Number of Bottles: 1 | Preserved With: ICE                                                                                                                           |
| PCR-BACR                    | Template: DEFAULT    | (SOP-PCR-1.4) Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction |
| PCR-DG3                     | Template: DEFAULT    | (SOP-PCR-1.5) Detection and quantification of canine-specific DG3 Bacteroides genetic marker with quantitative polymerase chain reaction      |
| PCR-HF183                   | Template: DEFAULT    | (SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction     |
| Bottle Type: P-250ML-WI-THI | Number of Bottles: 1 | Preserved With: ICE                                                                                                                           |
| SD-BES-ECQ                  | Template: DEFAULT    | (SM 9223 Quanti-Tray) E. coli by Colilert/QT by BEA South in North Port                                                                       |
| Bottle Type: BG-500ML       | Number of Bottles: 1 | Preserved With: ICE                                                                                                                           |
| W-E8321-DI                  | Template: DEFAULT    | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                       |
| W-E8321-MS                  | Template: SMP        | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                       |
| Bottle Type: BG-1L          | Number of Bottles: 4 | Preserved With: ICE                                                                                                                           |
| W-PSNP-TQ                   | Template: DEFAULT    | (EPA 8270E) Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS                                                            |
| W-TR-SQ-R                   | Template: DEFAULT    | (EPA 8270E) Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM                                                        |

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

|                             |                      |                                                                                                                                               |
|-----------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: QPCR-P-500ML   | Number of Bottles: 1 | Preserved With: ICE                                                                                                                           |
| PCR-BACR                    | Template: DEFAULT    | (SOP-PCR-1.4) Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction |
| PCR-DG3                     | Template: DEFAULT    | (SOP-PCR-1.5) Detection and quantification of canine-specific DG3 Bacteroides genetic marker with quantitative polymerase chain reaction      |
| PCR-HF183                   | Template: DEFAULT    | (SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction     |
| Bottle Type: P-250ML-WI-THI | Number of Bottles: 1 | Preserved With: ICE                                                                                                                           |
| SD-BES-ECQ                  | Template: DEFAULT    | (SM 9223 Quanti-Tray) E. coli by Colilert/QT by BEA South in North Port                                                                       |
| 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                                                         |

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

|                      |                      |                                                                                                                                                |
|----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 1 | Preserved With: HNO3                                                                                                                           |
| W-HARD               | Template: DEFAULT    | (SM 2340 B-2011) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3                                                          |
| Hardness             |                      |                                                                                                                                                |
| W-ICP                | Template: SMP-FRESH  | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| Calcium              |                      |                                                                                                                                                |
| Iron                 |                      |                                                                                                                                                |
| Magnesium            |                      |                                                                                                                                                |
| Potassium            |                      |                                                                                                                                                |
| Sodium               |                      |                                                                                                                                                |
| Strontium            |                      |                                                                                                                                                |
| Tin                  |                      |                                                                                                                                                |
| Titanium             |                      |                                                                                                                                                |
| Vanadium             |                      |                                                                                                                                                |
| Zinc                 |                      |                                                                                                                                                |
| W-ICPMS              | Template: DEFAULT    | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects                    |
| Aluminum             |                      |                                                                                                                                                |
| Antimony             |                      |                                                                                                                                                |
| Arsenic              |                      |                                                                                                                                                |
| Barium               |                      |                                                                                                                                                |
| Beryllium            |                      |                                                                                                                                                |
| Boron                |                      |                                                                                                                                                |
| Cadmium              |                      |                                                                                                                                                |
| Chromium             |                      |                                                                                                                                                |
| Cobalt               |                      |                                                                                                                                                |
| Copper               |                      |                                                                                                                                                |
| Lead                 |                      |                                                                                                                                                |
| Manganese            |                      |                                                                                                                                                |
| Molybdenum           |                      |                                                                                                                                                |
| Nickel               |                      |                                                                                                                                                |
| Selenium             |                      |                                                                                                                                                |
| Silver               |                      |                                                                                                                                                |
| Thallium             |                      |                                                                                                                                                |

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

|                       |                      |                                                                                                              |
|-----------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: BG-500ML | Number of Bottles: 1 | Preserved With: ICE                                                                                          |
| W-E8321-DI            | Template: DEFAULT    | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                      |
| W-E8321-MS            | Template: SMP        | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                      |
| Bottle Type: P-500ML  | Number of Bottles: 1 | Preserved With: ICE And H2SO4                                                                                |
| W-NH3                 | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                   |
| W-NO2NO3              | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                           |
| W-S-A-TP              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                          |
| W-TKN                 | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                             |
| W-TOC                 | Template: DEFAULT    | (SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices                                             |
| Bottle Type: P-1L     | Number of Bottles: 1 | Preserved With: ICE                                                                                          |
| ALKALINITY            | Template: DEFAULT    | (SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO3/L                                                |
| TURBIDITY             | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                           |
| W-CL-IC               | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                            |
| W-COLOR               | Template: DEFAULT    | (DEP SOP: NU-094-1) True Color measured at 450 nm (not valid for NPDES monitoring)                           |
| Color (true)          |                      |                                                                                                              |
| W-F                   | Template: DEFAULT    | (SM 4500-F- C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)      |
| W-SO4-IC              | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                             |
| W-TDS                 | Template: DEFAULT    | (SM 2540 C-2015) Total Dissolved Solids in aqueous matrices                                                  |
| W-TSS                 | Template: DEFAULT    | (SM 2540 D-2015) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample              |
| Bottle Type: BP-1L    | Number of Bottles: 1 | Preserved With: ICE                                                                                          |
| CHLSUITE-W            | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |

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

|                             |                      |                     |
|-----------------------------|----------------------|---------------------|
| Bottle Type: P-250ML-WI-THI | Number of Bottles: 1 | Preserved With: ICE |
|-----------------------------|----------------------|---------------------|

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

Bottle Type: P-250ML-WI-THI      Number of Bottles: 1      Preserved With: ICE  
SD-BES-ECQ      Template: DEFAULT      (SM 9223 Quanti-Tray) E. coli by Colilert/QT by BEA South in North Port

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