

RQ- 2022 10-17-22

## Login Checklist

Login Station ID: 5

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 10/27/22 @ 4:25

| *Cooler Temperature | Samples Frozen?<br>YES | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |    |          |    | Waybill Tracking # |
|---------------------|------------------------|----------------------------------------|----------|---------------------------------------|---------------|----|----------|----|--------------------|
|                     |                        | HNO <sub>3</sub>                       | Formalin |                                       | Present?      |    | *Intact? |    |                    |
|                     |                        |                                        |          |                                       | Yes           | No | Yes      | No |                    |
| 2.3                 |                        |                                        |          | 11                                    |               |    |          |    | 58594730 2118      |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |

## 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 °C (above 10.0 °C 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 X

If Criminal, photographs taken?

Yes \_\_\_\_\_ No XContainers 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: C9

Chlorine detected? (One container checked per Field ID)

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

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

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

\*\*Acid Preserved Samples: pH &lt; 2.0?

Yes X No \_\_\_\_\_ NA \_\_\_\_\_ Init: C9

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

Yes \_\_\_\_\_ No \_\_\_\_\_ NA X Init: C9

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

Coolers Unpacked/Checked by: C9 Date: 10/27/22 Event contains NCRs (Y/N)? NEvent ID: SO-DIST-2022-10-27-01 (SMP)  
Date Received: 27-OCT-2022 21:26

## 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:** 10/26/2022  
**Customer:** SO-DIST  
**RQ:** RQ-2022-10-17-76  
**Collected By:** John Barrington, 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                                                                                   |
|----------------------|---------------------------------------------------------------------------------------------------|
| Grassy Creek         | <br>G4SD0184    |
| FB                   | <br>FB_10262022 |
| Hickory Hammock      | <br>G4SD0205  |
| Bonnet Lake @ Middle | <br>G4SD0170  |

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 10/26/2022  
1500 EST

**THIS SECTION TO BE COMPLETED BY LABORATORY**

Rec'd/Inspected By: C.P.

Rec'd/Inspected  
Date: 10/27/2022



|                                                             |                                                                           |
|-------------------------------------------------------------|---------------------------------------------------------------------------|
| RQ-2022-10-17-76                                            | <b>Collected By:</b> John Barrington, William Mullen                      |
| <b>Customer:</b> FDEP                                       | <b>Field Report Prepared by:</b> John Barrington, 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> G4SD0184 | <b>Comments:</b> Microbiology sample(s) submitted to contract laboratory. |

Location: Grassy Creek

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)        |              |    |   |
|------------------------------------|-------------------|-----------------------------------------------------------------------------|------------------------------------------|-----------------------------------|------------------|--------------|-----------------|---------------------|-----------------------|--------------|----|---|
| 10/26/2022 925                     | 1.67              | 19.1                                                                        | 21.9                                     | 5.63                              | 0.3              | 0.8          | 0.8             | 163.3               | 0.08                  |              |    |   |
| Parameter Suite                    | Parameter Methods |                                                                             |                                          |                                   | Preservation     |              | pH Check        |                     | # Bottles sent to Lab | Bottle Group |    |   |
| Preserved Nutrients (P-500ML)      | X                 | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                 |                                          |                                   | X                | Ice          | X               | H2SO4*              | X                     | <2           | 1  | A |
|                                    |                   | 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             |                     |                       |              |    |   |
|                                    |                   | 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-CH-IC / W-COLOR / W-SO4-IC / W-TDS |                                          |                                   |                  | X            | Ice             |                     |                       | 1            | A  |   |
| Physical/Aggregate (Marine) (P-1L) |                   | Alkalinity / W-F / W-TSS / TURBIDITY                                        |                                          |                                   |                  |              | Ice             |                     |                       |              |    |   |
| Macroinvertebrates (PJ-2L)         |                   | MI-FW-QLDC                                                                  | Formalin Lot #                           |                                   |                  |              | Formalin        |                     |                       |              |    |   |
| Periphyton (PT-50ML)               |                   | ALGAE-ID                                                                    |                                          |                                   |                  |              | Ice             |                     |                       |              |    |   |
| Microbiology (Contract Lab Bottle) | X                 | E Coli                                                                      |                                          | F Coli                            | Enterococci      | X            | Ice             |                     |                       | 1            | A  |   |
|                                    | X                 | Contract Lab                                                                |                                          |                                   |                  |              |                 |                     |                       |              |    |   |
| Molecular (QPCR-P-500ML)           |                   | PCR-HF183                                                                   |                                          | PCR-BacR                          | PCR-DG3          |              | Ice             |                     |                       |              |    |   |
|                                    |                   | PCR-GULL2                                                                   |                                          | PCR-GFD                           |                  |              |                 |                     |                       |              |    |   |
| Tracers (BG-500ML)                 |                   | W-E8321-DI                                                                  |                                          | W-E8321-MS                        |                  |              | Ice             |                     |                       |              |    |   |
|                                    |                   | W-E8321-DI                                                                  | W-E8321-MS                               | W-PSNP-TQ                         |                  |              |                 | MCAA Exp.           | MCAA Lot#             |              |    |   |
| Pesticides (BG-500ML) (BG-1L)      |                   | W-PCL-TQ-R                                                                  | W-CARB-AA (5 ml of MCAA Buffer Solution) |                                   | W-CT-CL-R        |              | Ice             |                     |                       |              |    |   |
|                                    |                   | 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-2022-10-17-76

Customer: FDEP

Project ID: SMP

Collected By: John Barrington, William Mullen

Field Report Prepared by: John Barrington, William Mullen

Sampling Agency: FDEP

WIN ID/Field ID: 

WIN ID/Field ID: FB\_10262022

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

Location: FB

Matrix: W-FIELD-BLANK

(Check One)

☒ Grab

☐ Composite

| Date and Time {EST} | DO (mg/L) | DO (%SAT) | Temp. @ | pH | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos /cm) | Salinity (PPT) |
|---------------------|-----------|-----------|---------|----|------------------|--------------|-----------------|---------------------|----------------|
| 10/26/2022 935      |           |           |         |    |                  |              |                 |                     |                |

| 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      |           |           |                       |              |   |   |     |   |   |
|                                    |                                   | Filter Lot #                                                               | Syringe Lot #                            |                               |              |          |           |           |                       |              |   |   |     |   |   |
| BOD (BP-1L)                        |                                   | OV-BODUNIN                                                                 |                                          |                               |              | Ice      |           |           |                       |              |   |   |     |   |   |
| Chlorophyll (BP-1L)                |                                   | CHLSUITE-W                                                                 |                                          |                               |              | Ice      |           |           |                       |              |   |   |     |   |   |
| Physical/Aggregate (Fresh) (P-1L)  | X                                 | Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / 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                                                                     | F Coli                                   | Enterococci                   |              |          |           |           |                       |              |   |   | Ice |   |   |
|                                    |                                   | Contract Lab                                                               |                                          |                               |              |          |           |           |                       |              |   |   |     |   |   |
| Molecular (QPCR-P-500ML)           |                                   | PCR-HF183                                                                  | PCR-BacR                                 | PCR-DG3                       |              |          |           |           |                       |              |   |   | Ice |   |   |
|                                    |                                   | PCR-GULL2                                                                  | PCR-GFD                                  |                               |              |          |           |           |                       |              |   |   |     |   |   |
| Tracers (BG-500ML)                 |                                   | W-E8321-DI                                                                 | W-E8321-MS                               |                               |              |          | Ice       |           |                       |              |   |   |     |   |   |
| Pesticides (BG-500ML) (BG-1L)      |                                   | W-E8321-DI                                                                 | W-E8321-MS                               | 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-2022-10-17-76                                                                                                                | Collected By: John Barrington, William Mullen                      |
| Customer: FDEP                                                                                                                  | Field Report Prepared by: John Barrington, William Mullen          |
| Project ID: SMP                                                                                                                 | Sampling Agency: FDEP                                              |
| WIN ID/Field ID: <br>WIN ID/Field ID: G4SD0205 | Comments: Microbiology sample(s) submitted to contract laboratory. |

Location: Hickory Hammock

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) |                       |              |    |   |  |  |
|------------------------------------|-----------|-----------------------------------------------------------------------------|-----------------------------------|------------------------------------------|------------------|--------------|-----------------|---------------------|----------------|-----------------------|--------------|----|---|--|--|
| 10/26/2022<br>1035                 | 3.67      | 41.5                                                                        | 21.4                              | 5.64                                     | 0.2              | 0.4          | 0.4             | 110                 | 0.05           |                       |              |    |   |  |  |
| 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)                   |           | W-ICPMS                                                                     |                                   | W-ICP                                    |                  | W-HARD       |                 |                     | Ice            | HNO3*                 |              | <2 |   |  |  |
|                                    |           | Lot #                                                                       |                                   |                                          | Exp:             |              |                 |                     |                |                       |              |    |   |  |  |
| Filtered Nutrients (P125ML)        |           | W-PO4-F                                                                     |                                   | Field Filtered 0.45 µm Filter            |                  |              |                 |                     | Ice            |                       |              |    |   |  |  |
|                                    |           | Filter Lot #                                                                |                                   |                                          | Syringe Lot #    |              |                 |                     |                |                       |              |    |   |  |  |
| BOD (BP-1L)                        |           | OV-BODUNIN                                                                  |                                   |                                          |                  |              | Ice             |                     |                |                       |              |    |   |  |  |
| Chlorophyll (BP-1L)                | X         | CHLSUITE-W                                                                  |                                   |                                          |                  | X            | Ice             |                     |                | 1                     |              | A  |   |  |  |
| Physical/Aggregate (Fresh) (P-1L)  | X         | Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W-TDS |                                   |                                          |                  | X            | Ice             |                     |                | 1                     |              | A  |   |  |  |
| Physical/Aggregate (Marine) (P-1L) |           | Alkalinity / W-F / W-TSS / TURBIDITY                                        |                                   |                                          |                  |              | Ice             |                     |                |                       |              |    |   |  |  |
| Macroinvertebrates (PJ-2L)         |           | MI-FW-QLDC                                                                  | Formalin Lot #                    |                                          |                  |              | Formalin        |                     |                |                       |              |    |   |  |  |
| Periphyton (PT-50ML)               |           | ALGAE-ID                                                                    |                                   |                                          |                  |              | Ice             |                     |                |                       |              |    |   |  |  |
| Microbiology (Contract Lab Bottle) | X         | E Coli                                                                      |                                   | F Coli                                   |                  | Enterococci  |                 |                     | 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                 |                | H2SO4*                |              | <2 |   |  |  |
|                                    |           |                                                                             | Acid Preservative Expiration Date |                                          |                  |              |                 |                     |                |                       |              |    |   |  |  |
|                                    |           |                                                                             | Acid Preservative Lot Number      |                                          |                  |              |                 |                     |                |                       |              |    |   |  |  |



|                                                                                                                                 |                                                           |
|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| RQ-2022-10-17-76                                                                                                                | Collected By: John Barrington, William Mullen             |
| Customer: FDEP                                                                                                                  | Field Report Prepared by: John Barrington, William Mullen |
| Project ID: SMP                                                                                                                 | Sampling Agency: FDEP                                     |
| WIN ID/Field ID: <br>WIN ID/Field ID: G4SD0170 | Comments:                                                 |

Location: Bonnet Lake @ Middle

Matrix: Fresh

(Check One)

☒ Grab☐ Composite

| Date and Time {EST}                | DO (mg/L) | DO (%SAT)         | Temp. ©                                                                      | pH                                       | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos /cm) | Salinity (PPTH)       |              |   |
|------------------------------------|-----------|-------------------|------------------------------------------------------------------------------|------------------------------------------|------------------|--------------|-----------------|---------------------|-----------------------|--------------|---|
| 10/26/2022 1140                    | 10.49     | 126.1             | 24.6                                                                         | 7.03                                     | 0.3              | 0.4          | 3.3             | 155.6               | 0.07                  |              |   |
| 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*                |              |   |
|                                    |           |                   | Lot #                                                                        | SA2145160                                | Exp:             | 6/2/23       |                 | X                   | <2                    | 1            | B |
| Metals (P-500ML)                   |           |                   | W-ICPMS                                                                      | W-ICP                                    | W-HARD           |              | Ice             |                     | HNO3*                 |              |   |
|                                    |           |                   | Lot #                                                                        |                                          | Exp:             |              |                 |                     | <2                    |              |   |
| 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            | B |
| 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            | B |
| Physical/Aggregate (Marine) (P-1L) |           |                   | Alkalinity / W-F / W-TSS / TURBIDITY                                         |                                          |                  |              | Ice             |                     |                       |              |   |
| Macroinvertebrates (PJ-2L)         |           |                   | MI-FW-QLDC                                                                   | Formalin Lot #                           |                  |              | Formalin        |                     |                       |              |   |
| Periphyton (PT-50ML)               |           |                   | ALGAE-ID                                                                     |                                          |                  |              | Ice             |                     |                       |              |   |
| Microbiology (Contract Lab Bottle) |           |                   | E Coli                                                                       | F Coli                                   | Enterococci      |              | Ice             |                     |                       |              |   |
|                                    |           |                   | Contract Lab                                                                 |                                          |                  |              |                 |                     |                       |              |   |
| Molecular (QPCR-P-500ML)           |           |                   | PCR-HF183                                                                    | PCR-BacR                                 | PCR-DG3          |              | Ice             |                     |                       |              |   |
|                                    |           |                   | PCR-GULL2                                                                    | PCR-GFD                                  |                  |              |                 |                     |                       |              |   |
| Tracers (BG-500ML)                 |           |                   | W-E8321-DI                                                                   | W-E8321-MS                               |                  |              | Ice             |                     |                       |              |   |
| Pesticides (BG-500ML) (BG-1L)      |           |                   | W-E8321-DI                                                                   | W-E8321-MS                               | 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*                |              |   |
|                                    |           |                   |                                                                              | Acid Preservative Expiration Date        |                  |              |                 |                     | <2                    |              |   |
|                                    |           |                   |                                                                              | Acid Preservative Lot Number             |                  |              |                 |                     |                       |              |   |

Benchmark EnviroAnalytical, Inc. BEAS Sample Receipt Temp. 24.9 °C  
1001 Corporate Ave. Suite 102  
North Port, FL 34289  
(941) 625-3137 / (941) 240-3071 fax  
Checked at Benchmark EA South E85086  
With Temperature Gun ID #7

Client Name: FDEP  
Address: 2600 Blair Stone Rd.  
Tallahassee, FL, 32309  
Phone: (239) 344-5719  
Email: dep-overflowmicro@dep.state.fl.us

Bill to: Frances Moore  
P.O. #: Lab B95341

2022-10-17-76

Project Name: RQ-2021

Project Run/Location: SMP Highlands Hot Mees

Laboratory Submission #:

580166654

Station ID

Surface Water  
Sample Matrix\*  
(Fresh / Marine)  
Sample Type

Enterococci  
E. coli (SM9223B Quantitray)

Laboratory Sample #

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

|           |              |                                   |                            |   |
|-----------|--------------|-----------------------------------|----------------------------|---|
| G4SD 0184 | F / M / Grab | E. coli / Entero / Fecal coliform | Date & Time: 10/26/22 0925 | 1 |
| G4SD 0205 | F / M / Grab | E. coli / Entero / Fecal coliform | Date & Time: 10/26/22 1035 | 2 |
|           | F / M / Grab | E. coli / Entero / Fecal coliform | Date & Time:               |   |
|           | F / M / Grab | E. coli / Entero / Fecal coliform | Date & Time:               |   |
|           | F / M / Grab | E. coli / Entero / Fecal coliform | Date & Time:               |   |
|           | F / M / Grab | E. coli / Entero / Fecal coliform | Date & Time:               |   |
|           | F / M / Grab | E. coli / Entero / Fecal coliform | Date & Time:               |   |
|           | F / M / Grab | E. coli / Entero / Fecal coliform | Date & Time:               |   |
|           | F / M / Grab | E. coli / Entero / Fecal coliform | Date & Time:               |   |
|           | F / M / Grab | E. coli / Entero / Fecal coliform | Date & Time:               |   |
|           | F / M / Grab | E. coli / Entero / Fecal coliform | Date & Time:               |   |

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

1. "Sample Matrix" is used to indicate whether the sample is being dispensed to drinking water (DW), groundwater (GW), surface water (SW), or other water (OW).  
2. "Container Type" is used to indicate whether the container is plastic (P) or glass (G).  
3. Sample must be refrigerated or stored in wet ice after collection. The maximum temperature during storage should be 4°C (42.8°F). Under "Preservative" list any preservative that was added to the sample container.

1. Each bottle has a label identifying sample ID, preservation agent, collection date, time, sample type, client ID, and parameters for analysis.  
2. The following information should be added to each label after collection with permanent black ink: date and time of collection, sample's name or initials, and any field number or ID.  
3. All bottles are containing preservative may be changed with appropriate sample prior to collection.

4. The client is responsible for documentation of the sampling event. Please list specific sample events on the sample control form.

Laboratory Sample Acceptability:

pH < 2 : 0 BEAS Temperature: 24.9°C

|   |                                     |                       |                   |                                       |                       |                   |
|---|-------------------------------------|-----------------------|-------------------|---------------------------------------|-----------------------|-------------------|
| 1 | Collector: <u>John W. Smith</u>     | Date: <u>10/26/22</u> | Time: <u>1405</u> | Received By: <u>Michelle Merchant</u> | Date: <u>10/26/22</u> | Time: <u>1405</u> |
| 2 | Relinquished by: <u>[Signature]</u> | Date: <u>10/26/22</u> | Time: <u>1405</u> | Received By: <u>Michelle Merchant</u> | Date: <u>10/26/22</u> | Time: <u>1405</u> |
| 3 | Relinquished by: <u>[Signature]</u> | Date: <u>10/26/22</u> | Time: <u>1405</u> | Received By: <u>Michelle Merchant</u> | Date: <u>10/26/22</u> | Time: <u>1405</u> |
| 4 | Relinquished by: <u>[Signature]</u> | Date: <u>10/26/22</u> | Time: <u>1405</u> | Received By: <u>Michelle Merchant</u> | Date: <u>10/26/22</u> | Time: <u>1405</u> |
| 5 | Relinquished by: <u>[Signature]</u> | Date: <u>10/26/22</u> | Time: <u>1405</u> | Received By: <u>Michelle Merchant</u> | Date: <u>10/26/22</u> | Time: <u>1405</u> |

Date of Request: 18-OCT-2022  
 Created By: MULLEN\_W On: 18-OCT-2022  
 Modified By: JASROTIA\_P On: 18-OCT-2022  
 Customer: SO-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: South District  
 Event Description: 2022 SMP : Highlands Hot Mess

**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: 18-OCT-2022  
 Biology Request Reviewed By: JASROTIA\_P On: 18-OCT-2022  
 Sampling Kit Required: YES Ship on: 21-OCT-2022  
 Sampling Kit Shipped: YES On: 20-OCT-2022  
 Sampling Kit Packed By: KLUG\_K  
 Preservatives Needed: NO  
 Date to Receive Samples: 20-OCT-2022  
 Logged In By:

**Send Final Report To:**

FLDEP South District Office  
 2295 Victoria Ave. Suite 364  
 Fort Myers, FL 33901-3381  
 Attn: William Mullen  
 Report Notification EMail:  
 Nicole.Reistad@FloridaDEP.gov; John.Barrington@FloridaDEP.gov;  
 William.Mullen@FloridaDEP.gov; Monica.Jaeger@FloridaDEP.gov;  
 Thomas.J.Baker@FloridaDEP.gov

Comments: Group A: (Grassy Creek, Arbuckle Creek, Hickory) Freshwater Nutrients, E. coli  
 Group B: (Bonnet Lake) Nutrients  
 Group C: Freshwater Nutrients BLANK

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

|                                   |                      |                                                                                                              |
|-----------------------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L                 | Number of Bottles: 3 | Preserved With: ICE                                                                                          |
| ALKALINITY                        | Template: DEFAULT    | (SM 2320 B-2011) Alkalinity in aqueous matrices as mg 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-SO <sub>4</sub> -IC             | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                             |
| W-TDS                             | Template: DEFAULT    | (SM 2540 C-2015) Total Dissolved Solids in aqueous matrices                                                  |
| W-TSS                             | Template: DEFAULT    | (SM 2540 D-2015) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample              |
| Bottle Type: BP-1L                | Number of Bottles: 3 | Preserved With: ICE                                                                                          |
| CHLSUITE-W                        | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |
| Bottle Type: P-250ML-WI-THI       | Number of Bottles: 3 | 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: 3 | Preserved With: ICE And H <sub>2</sub> SO <sub>4</sub>                                                       |
| W-NH <sub>3</sub>                 | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                   |
| W-NO <sub>2</sub> NO <sub>3</sub> | 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 CaCO <sub>3</sub> /L |

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

|                      |                   |                                                                                                              |                               |
|----------------------|-------------------|--------------------------------------------------------------------------------------------------------------|-------------------------------|
| Bottle Type: P-1L    |                   | Number of Bottles: 1                                                                                         | Preserved With: ICE           |
| 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 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-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: 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                                        |                               |