

## McCoy, Ian

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**From:** McCoy, Ian  
**Sent:** Wednesday, August 4, 2021 5:01 PM  
**To:** Paswater, Benjamin; Meyer, Sarah  
**Cc:** Ayres, Joshua  
**Subject:** Late Cooler Arrival

Good afternoon, I received RQ-2021-08-02-14 and it seems that it arrived a day later than intended. It was well within temp and composed of only PCR and Organics samples which, according to the SMP protocol, have Hold Time exceptions.

Let me know if anything needs changing or if you have any questions, have a great day!

Ian McCoy  
Florida DEP Receiving  
Lab Support Staff  
Phone - 850-245-8062

RQ-2021-08-02-14

## Login Checklist

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 8/4/2021 9:45

| *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 |                    |
| 3.7                 |                        |                                        |          | 11                                    |               | ✓  |          |    | 929380155373       |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |

## 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# 8972

Chain of Custody/ Field Sheet(s) Included?

Yes ☒ No ☐

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

Yes ☒ No ☐

## CONTAINER CHECK

Evidence Tape on Bottles?

Yes ☐ No ☐ NA ☒Evidence Tape intact? Yes ☐ No ☐

If Criminal, photographs taken?

Yes ☐ No ☐Containers intact? Yes ☒ No ☐

Caps on tight?

Yes ☒ No ☐

Sufficient Sample Volume:

Yes ☒ 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: IM

Chlorine detected? (One container checked per Field ID)

Yes ☐ No ☒ Init: IM

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 ☐ No ☐ NA ☒ Init: IM

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

Yes ☐ No ☐ NA ☒ Init: IM

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

Coolers Unpacked/Checked by: IM

Date: 8/4/2021

Event contains NCRs (Y/N)? Y

Event ID:

Run 11

SW-DIST-2021-08-04-01 (SMP)

Date Received: 04-AUG-2021 09:45

## Login Checklist

### Login Preservation Equipment

### Lot # & Exp: Date

### Additional Comments:

|                          |                             |
|--------------------------|-----------------------------|
| Infrared Thermometer ID: | IR TEMP GUN #2 exp:10/28/21 |
| pH Test Strips 0 – 6     |                             |
| pH Paper 0 – 3           |                             |
| pH Paper 0 – 13          | 219019 exp: 7/1/22          |
| Chlorine Test Strips     | 0129 exp: 03/2023           |

### ENCORE SAMPLES

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

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

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

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

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

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

### **FOR CLEAN LAB USE ONLY – Total Mercury Preservation Check(W-HG-AF;W-HG-AF-F):**

Samples preserved within 48 hours? Yes \_\_\_\_\_ No \_\_\_\_\_

Date and time samples preserved: \_\_\_\_\_

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
CHAIN OF CUSTODY FORM

**Date:** 8/2/2021      **Collected By:** Natalie Abdo, Sarah Meyer  
**Customer:** SW-DIST      **Sampling:** FDEP  
**RQ:** RQ-2021-08-02-14      **Agency:** \_\_\_\_\_  
**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                                                                                  |
|------------------------------------------|--------------------------------------------------------------------------------------------------|
| Peace River ab Main St                   | <br>G3SW0097   |
| Peace River at Griffin Rd                | <br>G3SW0096   |
| Peace River ab SR64                      | <br>G3SW0071 |
| Gilley Creek at Strickland               | <br>G2SW0024 |
| Gilley Creek downstream                  | <br>G2SW0039 |
| Manatee River near River Isles Clubhouse | <br>G2SW0119 |
| Manatee River off of Woodys              | <br>G2SW0120 |

RELINQUISHED BY(SIGNATURE):

*Sarah Meyer*

DATE/TIME: 8/2/2021 1600  
EST

**THIS SECTION TO BE COMPLETED BY LABORATORY**

Rec'd/Inspected By: IM

Rec'd/Inspected  
Date: 8/4/21



RQ-2021-08-02-14

Collected By: Natalie Abdo, Sarah Meyer

Customer: FDEP

Field Report Prepared by: Natalie Abdo, Sarah Meyer

Project ID: SMP

Sampling Agency: FDEP

Comments:

WIN ID/Field ID:



WIN ID/Field ID: G3SW0097

Location:

Location: Peace River ab Main St

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)        |              |   |   |
|------------------------------------|-----------|-----------------------------------------------------------------------------|----------|---------------------------------------------|------------------|--------------|-----------------|---------------------|-----------------------|--------------|---|---|
| 8/2/2021 1055                      | 6.3       | 81.2                                                                        | 28.4     | 7.52                                        | 0.3              | 0.3          | 1.7             | 298.7               | 0.14                  |              |   |   |
| 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 #                                                               |          |                                             |                  |              |                 |                     |                       |              |   |   |
| 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-BR-IC / 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)           |           | 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                 |                       |              |   |   |
|                                    |           | W-PCL-TQ-R                                                                  |          | W-CARB-AA ( 5 ml of MCAA** Buffer Solution) |                  | W-CT-CL-R    |                 |                     |                       |              |   |   |
| Phytoplankton                      |           | DTY-QN-C                                                                    |          | PKD-QN-BV                                   |                  |              |                 | Ice                 |                       |              |   |   |



|                                                                                                                                 |                                                     |
|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| RQ-2021-08-02-14                                                                                                                | Collected By: Natalie Abdo, Sarah Meyer             |
| Customer: FDEP                                                                                                                  | Field Report Prepared by: Natalie Abdo, Sarah Meyer |
| Project ID: SMP                                                                                                                 | Sampling Agency: FDEP                               |
| WIN ID/Field ID: <br>WIN ID/Field ID: G3SW0096 | Comments:                                           |

**Location:**

Location: Peace River at Griffin Rd

Matrix: Fresh

(Check One) ☒ Grab ☐ Composite

| Date and Time {EST}                | DO (mg/L) | DO (%SAT)                                                                 | Temp. °C | pH   | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos /cm) | Salinity (PPT)        |              |  |  |  |  |  |
|------------------------------------|-----------|---------------------------------------------------------------------------|----------|------|------------------|--------------|-----------------|---------------------|-----------------------|--------------|--|--|--|--|--|
| 8/2/2021<br>1115                   | 6.29      | 81.1                                                                      | 28.5     | 7.58 | 0.3              | 0.4          | 0.6             | 299.1               | 0.14                  |              |  |  |  |  |  |
| 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          |                 | <2                  |                       |              |  |  |  |  |  |
|                                    |           | Lot #                                                                     |          | Exp: |                  |              |                 |                     |                       |              |  |  |  |  |  |
| Metals (P-500ML)                   |           | W-ICPMS / W-ICP / W-HARD                                                  |          |      |                  | Ice          |                 | <2                  |                       |              |  |  |  |  |  |
|                                    |           | Lot #                                                                     |          | Exp: |                  |              |                 |                     |                       |              |  |  |  |  |  |
| Filtered Nutrients (P125ML)        |           | W-PO4-F / Field Filtered 0.45 µm Filter                                   |          |      |                  | Ice          |                 |                     |                       |              |  |  |  |  |  |
|                                    |           | Filter Lot #                                                              |          |      |                  |              |                 |                     |                       |              |  |  |  |  |  |
|                                    |           | Syringe Lot #                                                             |          |      |                  |              |                 |                     |                       |              |  |  |  |  |  |
| Chlorophyll (BP-1L)                |           | CHLSUITE-W                                                                |          |      |                  | Ice          |                 |                     |                       |              |  |  |  |  |  |
| Physical/Aggregate (Fresh) (P-1L)  |           | Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-SO4-IC / W-TDS |          |      |                  | Ice          |                 |                     |                       |              |  |  |  |  |  |
| Physical/Aggregate (Marine) (P-1L) |           | Alkalinity / W-BR-IC / 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        |                 |                     |                       |              |  |  |  |  |  |
|                                    |           | 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          |                 |                     |                       |              |  |  |  |  |  |
|                                    |           | W-PCL-TQ-R / W-CARB-AA (5 ml of MCAA** Buffer Solution) / W-CT-CL-R       |          |      |                  |              |                 |                     |                       |              |  |  |  |  |  |
| Phytoplankton                      |           | DTY-QN-C / PKD-QN-BV                                                      |          |      |                  | Ice          |                 |                     |                       |              |  |  |  |  |  |



|                                                                                                                                 |                                                     |
|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| RQ-2021-08-02-14                                                                                                                | Collected By: Natalie Abdo, Sarah Meyer             |
| Customer: FDEP                                                                                                                  | Field Report Prepared by: Natalie Abdo, Sarah Meyer |
| Project ID: SMP                                                                                                                 | Sampling Agency: FDEP                               |
| WIN ID/Field ID: <br>WIN ID/Field ID: G3SW0071 | Comments:                                           |

Location:  
Location: Peace River ab SR64

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)        |              |  |  |  |  |  |
|------------------------------------|-----------|-----------------------------------------------------------------------------|------------|-------------------------------|--------------------------------------------|--------------|-----------------|---------------------|-----------------------|--------------|--|--|--|--|--|
| 8/2/2021<br>1140                   | 6.11      | 79.3                                                                        | 28.7       | 7.54                          | 0.3                                        | 0.4          | 1               | 301.4               | 0.14                  |              |  |  |  |  |  |
| Parameter Suite                    |           | Parameter Methods                                                           |            |                               |                                            | Preservation |                 | pH Check            | # Bottles sent to Lab | Bottle Group |  |  |  |  |  |
| Preserved Nutrients (P-500ML)      |           | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                 |            |                               |                                            | Ice          | H2SO4*          | <2                  |                       |              |  |  |  |  |  |
|                                    |           | Lot #                                                                       |            | Exp:                          |                                            |              |                 |                     |                       |              |  |  |  |  |  |
| Metals (P-500ML)                   |           | W-ICPMS                                                                     |            | W-ICP                         |                                            | Ice          | HNO3*           |                     |                       |              |  |  |  |  |  |
|                                    |           | Lot #                                                                       |            | Exp:                          |                                            |              |                 |                     |                       |              |  |  |  |  |  |
| Filtered Nutrients (P125ML)        |           | W-PO4-F                                                                     |            | Field Filtered 0.45 µm Filter |                                            | Ice          |                 |                     |                       |              |  |  |  |  |  |
|                                    |           | Filter Lot #                                                                |            |                               |                                            |              |                 |                     |                       |              |  |  |  |  |  |
|                                    |           | Syringe Lot #                                                               |            |                               |                                            |              |                 |                     |                       |              |  |  |  |  |  |
| Chlorophyll (BP-1L)                |           | CHLSUITE-W                                                                  |            |                               |                                            | Ice          |                 |                     |                       |              |  |  |  |  |  |
| Physical/Aggregate (Fresh) (P-1L)  |           | Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-IC / W-COLOR / W-SO4-IC / W-TDS |            |                               |                                            | Ice          |                 |                     |                       |              |  |  |  |  |  |
| Physical/Aggregate (Marine) (P-1L) |           | Alkalinity / W-BR-IC / 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     |                     |                       |              |  |  |  |  |  |
|                                    |           | Contract Lab                                                                |            |                               |                                            | X            | Ice             |                     | 1                     | AC           |  |  |  |  |  |
| Molecular (QPCR-P-500ML)           |           | PCR-HF183                                                                   |            | PCR-BacR                      |                                            | PCR-DG3      |                 |                     |                       |              |  |  |  |  |  |
|                                    |           | PCR-GULL2                                                                   |            | PCR-GFD                       |                                            |              |                 |                     |                       |              |  |  |  |  |  |
| Tracers (BG-500ML)                 |           | W-E8321-DI                                                                  |            | W-E8321-MS                    |                                            |              |                 |                     |                       |              |  |  |  |  |  |
| Pesticides (BG-500ML) (BG-1L)      |           | X                                                                           | W-E8321-DI | X                             | W-E8321-MS                                 | X            | W-P5NP-TQ       |                     |                       |              |  |  |  |  |  |
|                                    |           | X                                                                           | W-PCL-TQ-R | X                             | W-CARB-AA (5 ml of MCAA** Buffer Solution) | X            | W-CT-CL-R       |                     | 11 or 7               | C            |  |  |  |  |  |
| Phytoplankton                      |           | DTY-QN-C                                                                    |            | PKD-QN-BV                     |                                            |              |                 |                     |                       |              |  |  |  |  |  |
|                                    |           |                                                                             |            |                               |                                            | Ice          |                 |                     |                       |              |  |  |  |  |  |

Changed to reflect samples  
more accurately - IM  
8/4/21





|                                                                                                                                 |                                                     |
|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| RQ-2021-08-02-14                                                                                                                | Collected By: Natalie Abdo, Sarah Meyer             |
| Customer: FDEP                                                                                                                  | Field Report Prepared by: Natalie Abdo, Sarah Meyer |
| Project ID: SMP                                                                                                                 | Sampling Agency: FDEP                               |
| WIN ID/Field ID: <br>WIN ID/Field ID: G2SW0024 | Comments:                                           |

**Location:**  
**Location:** Gilley Creek at Strickland

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) |   |   |
|------------------------------------|---------------------------------------------------------------------------|---------------------------------------------|------------|-----------|------------------|--------------|-----------------|-----------------------|----------------|---|---|
| 8/2/2021<br>1255                   | 7.16                                                                      | 90.1                                        | 27.1       | 7.11      | 0.3              | 0.5          | 0.5             | 147.7                 | 0.07           |   |   |
| Parameter Suite                    | Parameter Methods                                                         |                                             |            |           | Preservation     |              | pH Check        | # Bottles sent to Lab | Bottle Group   |   |   |
| Preserved Nutrients (P-500ML)      | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                               |                                             |            |           | Ice H2SO4*       |              | <2              |                       |                |   |   |
|                                    | Lot #                                                                     |                                             | Exp:       |           |                  |              |                 |                       |                |   |   |
| Metals (P-500ML)                   | W-ICPMS                                                                   |                                             | W-ICP      | W-HARD    | Ice HNO3*        |              | <2              |                       |                |   |   |
|                                    | Lot #                                                                     |                                             | Exp:       |           |                  |              |                 |                       |                |   |   |
| Filtered Nutrients (P125ML)        | W-PO4-F                                                                   | Field Filtered 0.45 um Filter               |            |           | Ice              |              |                 |                       |                |   |   |
|                                    | Filter Lot #                                                              |                                             |            |           |                  |              |                 |                       |                |   |   |
|                                    | Syringe Lot #                                                             |                                             |            |           |                  |              |                 |                       |                |   |   |
| Chlorophyll (BP-1L)                | CHLSUITE-W                                                                |                                             |            |           | Ice              |              |                 |                       |                |   |   |
| Physical/Aggregate (Fresh) (P-1L)  | Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-SO4-IC / W-TDS |                                             |            |           | Ice              |              |                 |                       |                |   |   |
| Physical/Aggregate (Marine) (P-1L) | Alkalinity / W-BR-IC / 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)           | 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          |                 |                       |                |   |   |
|                                    | W-PCI-TQ-R                                                                | W-CARB-AA ( 5 ml of MCAA** Buffer Solution) |            | W-CT-CL-R |                  |              |                 |                       |                |   |   |
| Phytoplankton                      | DTY-QN-C                                                                  |                                             | PKD-QN-BV  |           | Ice              |              |                 |                       |                |   |   |



|                                                                                                                                 |                                                     |
|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| RQ-2021-08-02-14                                                                                                                | Collected By: Natalie Abdo, Sarah Meyer             |
| Customer: FDEP                                                                                                                  | Field Report Prepared by: Natalie Abdo, Sarah Meyer |
| Project ID: SMP                                                                                                                 | Sampling Agency: FDEP                               |
| WIN ID/Field ID: <br>WIN ID/Field ID: G2SW0039 | Comments:                                           |

Location:

Location: Gilley Creek downstream

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 (PPT) |
|---------------------|-----------|-----------|---------|------|------------------|--------------|-----------------|---------------------|----------------|
| 8/2/2021<br>1315    | 7.17      | 91        | 27.6    | 6.97 | 0.1              | 0.2          | 0.2             | 175.3               | 0.08           |

  

| 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 #                                                  |              |          |                       |              |
| Chlorophyll (BP-1L)                | CHLSUITE-W                                                                  | Ice          |          |                       |              |
| Physical/Aggregate (Fresh) (P-1L)  | Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-IC / W-COLOR / W-SO4-IC / W-TDS | Ice          |          |                       |              |
| Physical/Aggregate (Marine) (P-1L) | Alkalinity / W-BR-IC / 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 Contract Lab F Coli Enterococci                                    | x Ice        |          | 1                     | CA           |
| Molecular (QPCR-P-500ML)           | PCR-HF1B3 PCR-BacR PCR-DG3                                                  | Ice          |          |                       |              |
| 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          |          |                       |              |
|                                    | W-PCL-TQ-R W-CARB-AA (5 ml of MCAA** Buffer Solution) W-CT-CL-R             |              |          |                       |              |
| Phytoplankton                      | DTY-QN-C PKD-QN-BV                                                          | Ice          |          |                       |              |

Changed to reflect samples  
more accurately -IM  
8/4/21



RQ-2021-08-02-14

Collected By: Natalie Abdo, Sarah Meyer

Customer: FDEP

Field Report Prepared by: Natalie Abdo, Sarah Meyer

Project ID: SMP

Sampling Agency: FDEP

Comments:

WIN ID/Field ID:



WIN ID/Field ID: G2SW0119

Location:

Location: Manatee River near River Isles Clubhouse

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) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|---------------------|----------------|
| 8/2/2021<br>1355    | 6.94      | 98.1      | 33.6     | 7.41 | 0.3              | 0.5          | 1.4             | 2165                | 1.09           |

  

| 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 #                                                               |                                            |              |             |                       |              |   |     |   |   |
| 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-BR-IC / 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                                     | 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-EB321-DI                                 | X            | W-EB321-MS  | x                     | Ice          |   | 1   | B |   |
| Pesticides (BG-500ML) (BG-1L)      | W-EB321-DI                                                                  | W-EB321-MS                                 | W-PSNP-TQ    | Ice         |                       |              |   |     |   |   |
|                                    | W-PCL-TQ-R                                                                  | W-CARB-AA (5 ml of MCAA** Buffer Solution) | W-CT-CL-R    |             |                       |              |   |     |   |   |
| Phytoplankton                      | DTY-QN-C                                                                    | PKD-QN-BV                                  | Ice          |             |                       |              |   |     |   |   |



|                                                                                                                                 |                                                     |
|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| RQ-2021-08-02-14                                                                                                                | Collected By: Natalie Abdo, Sarah Meyer             |
| Customer: FDEP                                                                                                                  | Field Report Prepared by: Natalie Abdo, Sarah Meyer |
| Project ID: SMP                                                                                                                 | Sampling Agency: FDEP                               |
| WIN ID/Field ID: <br>WIN ID/Field ID: G2SW0120 | Comments:                                           |

Location:

Location: Manatee River off of Woodys

Matrix: Marine

(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) |
|---------------------|-----------|-----------|---------|-----|------------------|--------------|-----------------|---------------------|----------------|
| 8/2/2021 1425       | 6.65      | 96.8      | 33.5    | 7.7 | 0.3              | 0.6          | 0.6             | 15080               | 8.67           |

  

| 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<br>Lot #      Exp:                                                          | Ice      H2SO4* | <2       |                       |              |
| Metals (P-500ML)                   | W-ICPMS      W-ICP      W-HARD<br>Lot #      Exp:                                                                       | Ice      HNO3*  | <2       |                       |              |
| Filtered Nutrients (P125ML)        | W-PO4-F      Field Filtered 0.45 µm Filter<br>Filter Lot #      Syringe Lot #                                           | 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-BR-IC / 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      X      Enterococci<br>Contract Lab                                                              | x Ice           |          | 1                     | D            |
| Molecular (QPCR-P-500ML)           | PCR-HF183      PCR-BacR      PCR-DG3<br>PCR-GULL2      PCR-GFD                                                          | Ice             |          |                       |              |
| Tracers (BG-500ML)                 | W-E8321-DI      W-E8321-MS                                                                                              | Ice             |          |                       |              |
| Pesticides (BG-500ML) (BG-1L)      | W-E8321-DI      W-E8321-MS      W-PSNP-TQ<br>W-PCL-TQ-R      W-CARB-AA ( 5 ml of MCAA** Buffer Solution)      W-CT-CL-R | Ice             |          |                       |              |
| Phytoplankton                      | DTY-QN-C      PKD-QN-BV                                                                                                 | Ice             |          |                       |              |

Benchmark EnviroAnalytical, Inc  
1711 12<sup>th</sup> Street East  
Palmetto, FL 34221  
941-723-9986  
941-723-6061 Fax

PO# B77880 B95341

**Client Information: FDEP**

Address: 13051 N. Telecom Parkway

Tampa FL 33604

Phone # 815-470-5878

Report to: benjamin.paswater@dep.state.fl.us  
DEP-Overflomicro@dep.state.fl.us

Invoice to: FDEP Micro Overflow

Project Name: RQ-2021- 08 -02 - 14

Laboratory Submission #

21080038

| Sample Name | Sample Type <sup>1</sup> / Sample Matrix <sup>2</sup> | Collection |       | Container |          |                   | Preservative <sup>4</sup> | Parameters for Analysis | Laboratory Sample # |
|-------------|-------------------------------------------------------|------------|-------|-----------|----------|-------------------|---------------------------|-------------------------|---------------------|
|             |                                                       | Date       | Time  | Qty       | Capacity | Type <sup>3</sup> |                           |                         |                     |
| G3SW0097    | SW                                                    | 08/02/2021 | 10 55 |           | 250mL    | P                 | Plain (on Ice)            | E coli                  | 1                   |
| G3SW0096    | SW                                                    |            | 11 15 |           | 250mL    | P                 | Plain (on Ice)            | E coli                  | 2                   |
| G3SW0071    | SW                                                    |            | 11 40 |           | 250mL    | P                 | Plain (on Ice)            | E coli                  | 3                   |
| G2SW0024    | SW                                                    |            | 12 55 |           | 250mL    | P                 | Plain (on Ice)            | E coli                  | 4                   |
| G2SW0039    | SW                                                    |            | 13 15 |           | 250mL    | P                 | Plain (on Ice)            | E coli                  | 5                   |
| G2SW0119    | SW                                                    |            | 13 55 |           | 250mL    | P                 | Plain (on Ice)            | Enteroc                 | 6                   |
| G2SW0120    | SW                                                    |            | 14 25 |           | 250mL    | P                 | Plain (on Ice)            | Enteroc                 | 7                   |

<sup>1</sup> "Sample Type" is used to indicate whether the sample was a grab (G) or whether it was a composite (C).  
<sup>2</sup> "Sample Matrix" is used to indicate whether the sample is being discharged to drinking water (DW), groundwater (GW), surface water (SW), fresh surface water (FSW), saline surface water (SSW), soil, sediment (SDMT), or sludge (SLDG).  
<sup>3</sup> "Container Type" is used to indicate whether the container is plastic (P) or glass (G).  
<sup>4</sup> Sample must be refrigerated or stored in wet ice after collection. The temperature during storage should be less than or equal to 4°C (42°F).  
Footer: "Preservative" list any preservatives that were added to the sample container.

**Instructions:**  
1. Each bottle has a label identifying sample ID, preservative contained in the bottle, sample type, client ID, and parameters for analysis.  
2. The following information should be added to each bottle 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 not containing preservative may be sealed with appropriate sample prior to collection.  
4. The client is responsible for documentation of the sampling event. Please note special sampling events on the sample analysis form.

**Laboratory Sample Acceptability:**

Temperature: 3.8°C

|   |                                                |                       |                    |                             |                     |                   |
|---|------------------------------------------------|-----------------------|--------------------|-----------------------------|---------------------|-------------------|
| 1 | Collected / Relinquished By: <u>Josh Meyer</u> | Date: <u>08/02/21</u> | Time: <u>14 37</u> | Received By: <u>A-JH-01</u> | Date: <u>8-2-21</u> | Time: <u>1437</u> |
| 2 | Relinquished By:                               | Date:                 | Time:              | Received By:                | Date:               | Time:             |

Date of Request: 03-JUN-2021  
 Created By: PASWATER\_B On: 03-JUN-2021  
 Modified By: JASROTIA\_P On: 08-JUL-2021  
 Customer: SW-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Southwest District  
 Event Description: Run 11

**Send Coolers To:**

Phone: 813-632-7600  
 FL Dept. of Environmental Protection  
 13051 N. Telecom Parkway  
 Temple Terrace, FL 33637-0926  
 Attn: Ben Paswater  
 Cooler Ship EMail: benjamin.paswater@dep.state.fl.us

Priority: 3  
 Event Status: S  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 08-JUL-2021  
 Biology Request Reviewed By: JASROTIA\_P On: 08-JUL-2021  
 Sampling Kit Required: YES Ship on: 23-JUL-2021  
 Sampling Kit Shipped: YES On: 19-JUL-2021  
 Sampling Kit Packed By: SHAIK\_A  
 Preservatives Needed: NO  
 Date to Receive Samples: 02-AUG-2021  
 Logged In By:

**Send Final Report To:**

FL Dept. of Environmental Protection  
 13051 N. Telecom Parkway  
 Temple Terrace, FL 33637-0926  
 Attn: Ben Paswater  
 Report Notification EMail:  
 benjamin.paswater@dep.state.fl.us; sarah.meyer@dep.state.fl.us

Comments: Run 11: Peace above Trouble, Manatee, Gilly #3

**Bottle Group A (Water) With 4 Samples:**

Bottle Type: P-250ML-WI-THI Number of Bottles: 4 Preserved With: ICE  
 SW-BEA-ECQ Template: DEFAULT (SM 9223 B Quanti-Tray) E. coli by Colilert/QT by BEA in Palmetto

**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  
 SW-BEA-ENQ Template: DEFAULT (Enterolert/QT) Enterococci by Enterolert/QT by BEA in Palmetto

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: DEFAULT (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

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

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

Bottle Type: BG-500ML Number of Bottles: 1 Preserved With: CH2ClCOOH and Ice  
 W-CARB-AA Template: DEFAULT (EPA 8321B) Carbamates in water matrices by HPLC/MS/MS

Bottle Type: BG-500ML Number of Bottles: 4 Preserved With: ICE  
 W-CT-CI-R Template: DEFAULT (EPA 8276) Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization

W-PCL-TQ-R Template: DEFAULT (EPA 8270E) Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS

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: DEFAULT (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

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

Bottle Type: P-250ML-WI-THI      Number of Bottles: 1      Preserved With: ICE  
SW-BEA-ENQ      Template: DEFAULT      (Enterolert/QT) Enterococci by Enterolert/QT by BEA in Palmetto

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