

# Login Checklist

RQ- 2023-06-26-07

Login Station ID: #3

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 6/20/23@0910

| *Cooler Temperature | Samples Frozen?<br>YES | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |          |          |    | Waybill Tracking #    |
|---------------------|------------------------|----------------------------------------|----------|---------------------------------------|---------------|----------|----------|----|-----------------------|
|                     |                        | HNO <sub>3</sub>                       | Formalin |                                       | Present?      |          | *Intact? |    |                       |
|                     |                        |                                        |          |                                       | Yes           | No       | Yes      | No |                       |
| <u>1.8</u>          |                        |                                        |          | <u>11</u>                             |               | <u>x</u> |          |    | <u>5225 5540-4987</u> |
|                     |                        |                                        |          |                                       |               |          |          |    |                       |
|                     |                        |                                        |          |                                       |               |          |          |    |                       |
|                     |                        |                                        |          |                                       |               |          |          |    |                       |
|                     |                        |                                        |          |                                       |               |          |          |    |                       |
|                     |                        |                                        |          |                                       |               |          |          |    |                       |
|                     |                        |                                        |          |                                       |               |          |          |    |                       |

## COOLER CHECK

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

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

Chain of Custody/ Field Sheet(s) Included?

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

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

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

## CONTAINER CHECK

Evidence Tape on Bottles?

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

If Criminal, photographs taken?

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

Caps on tight?

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

Sufficient Sample Volume:

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

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

CHLORINE CHECK REQUIRED? (Blue dot on container)

Yes X No \_\_\_\_\_ Init: BKK

Chlorine detected? (One container checked per Field ID)

Yes \_\_\_\_\_ No X Init: AKR

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

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

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

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

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

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

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

Coolers Unpacked/Checked by: BKK

Date: 6/20/23

Event contains NCRs (Y/N)? N

Event ID: Run 12  
SW-DIST-2023-06-20-01 (SMP)

Date Received: 20-JUN-2023 09:10

## Login Checklist

### Login Preservation Equipment

### Lot # & Exp: Date

|                          |                                      |
|--------------------------|--------------------------------------|
| Infrared Thermometer ID: | IR TEMP GUN #3 Exp:10/17/2023        |
| pH Test Strips 0 – 6     | Lot#223819AV   Exp:8/30/23           |
| pH Paper 0 – 3           |                                      |
| pH Paper 0 – 13          | Lot# <del>210020</del>   Exp:4/15/23 |
| Chlorine Test Strips     | Lot# <del>0120</del>   Exp:3/23      |

### Additional Comments:

pH Paper 0-13  
Lot#207621 | Exp:3/15/24

Chlorine Test Strips  
Lot#1196 | Exp:2/24

### 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:** 6/19/2023      **Collected By:** Ben Paswater, Devin Mathias  
**Customer:** SW-DIST      **Sampling Agency:** FDEP  
**RQ:** RQ-2023-06-26-07      **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                                                                                  |
|----------------------------------|--------------------------------------------------------------------------------------------------|
| EAST CANAL AT KNIGHTS GRIFFEN RD | <br>G2SW0159   |
| ENGLISH CREEK AT S COUNTY LINE   | <br>G2SW0169   |
| HOWELL BRANCH IN BEALSVILLE PARK | <br>G2SW0115 |
| SEFFNER CANAL S OF MLK           | <br>G2SW0087 |
| PEMBERTON CREEK AT GALLAGHER RD  | <br>G2SW0085 |

**RELINQUISHED BY (SIGNATURE):**



**DATE/TIME:**

6/19/2023 1700 EST

**THIS SECTION TO BE COMPLETED BY LABORATORY**

**Rec'd/Inspected By:**

Brian Knecht

**Rec'd/Inspected**

**Date:**

6/20/23 0910



|                  |                                                       |
|------------------|-------------------------------------------------------|
| RQ-2023-06-26-07 | Collected By: Ben Paswater, Devin Mathias             |
| Customer: FDEP   | Field Report Prepared by: Ben Paswater, Devin Mathias |
| Project ID: SMP  | Sampling Agency: FDEP                                 |

|                                                                                                    |           |
|----------------------------------------------------------------------------------------------------|-----------|
| WIN ID/Field ID:  | Comments: |
| WIN ID/Field ID: G2SW0159                                                                          |           |

Location: EAST CANAL AT KNIGHTS GRIFFEN RD

Matrix: Fresh

(Check One)

☒ Grab☐ Composite

| Date and Time<br>{EST}             | DO<br>(mg/L) | DO<br>(%SAT)                                                                 | Temp. °C       | pH                                          | Sample<br>Depth (m) | Secchi<br>Depth | Total<br>Depth<br>(m) | Sp COND<br>(µmhos /cm) | Salinity<br>(PPTH) |                          |                 |   |    |   |   |     |   |   |
|------------------------------------|--------------|------------------------------------------------------------------------------|----------------|---------------------------------------------|---------------------|-----------------|-----------------------|------------------------|--------------------|--------------------------|-----------------|---|----|---|---|-----|---|---|
| 6/19/2023<br>945                   | 1.44         | 18                                                                           | 26.9           | 6.79                                        | 0.25                | 0.5             | 0.5                   | 201.1                  | 0.09               |                          |                 |   |    |   |   |     |   |   |
| Parameter Suite                    |              | Parameter Methods                                                            |                |                                             |                     | Preservation    |                       | pH Check               |                    | # Bottles<br>sent to Lab | Bottle<br>Group |   |    |   |   |     |   |   |
| Preserved Nutrients (P-500ML)      |              | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                  |                |                                             |                     | Ice             | H2SO4*                |                        | <2                 |                          |                 |   |    |   |   |     |   |   |
|                                    |              | Lot #                                                                        |                | Exp:                                        |                     |                 |                       |                        |                    |                          |                 |   |    |   |   |     |   |   |
| Metals (P-500ML)                   |              | X                                                                            | W-ICPMS        | X                                           | W-ICP               | X               | W-HARD                | X                      | Ice                | X                        | HNO3*           | X | <2 | 1 | A |     |   |   |
|                                    |              | Lot #                                                                        |                | NA 2230040                                  |                     | Exp:            |                       | 09/01/2023             |                    |                          |                 |   |    |   |   |     |   |   |
| Filtered Nutrients (P125ML)        |              | W-PO4-F                                                                      |                | Field Filtered 0.45 um Filter               |                     |                 | Ice                   |                        |                    |                          |                 |   |    |   |   |     |   |   |
|                                    |              | Filter Lot #                                                                 |                | Syringe Lot #                               |                     |                 |                       |                        |                    |                          |                 |   |    |   |   |     |   |   |
| BOD (BP-1L)                        |              | OV-BODUNIN                                                                   |                |                                             |                     |                 | Ice                   |                        |                    |                          |                 |   |    |   |   |     |   |   |
| Chlorophyll (BP-1L)                |              | CHLSUITE-W                                                                   |                |                                             |                     |                 | Ice                   |                        |                    |                          |                 |   |    |   |   |     |   |   |
| Physical/Aggregate (Fresh) (P-1L)  |              | Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS |                |                                             |                     |                 | Ice                   |                        |                    |                          |                 |   |    |   |   |     |   |   |
| Physical/Aggregate (Marine) (P-1L) |              | Alkalinity / W-F / W-TSS / TURBIDITY                                         |                |                                             |                     |                 | Ice                   |                        |                    |                          |                 |   |    |   |   |     |   |   |
| Macroinvertebrates (PJ-2L)         |              | MI-FW-QLDC                                                                   | Formalin Lot # |                                             |                     | Formalin        |                       |                        |                    |                          |                 |   |    |   |   |     |   |   |
| Periphyton (PT-50ML)               |              | ALGAE-ID                                                                     |                |                                             |                     |                 | Ice                   |                        |                    |                          |                 |   |    |   |   |     |   |   |
| Microbiology (Contract Lab Bottle) |              | X                                                                            | E Coli         |                                             | F Coli              |                 | Enterococci           |                        |                    |                          |                 |   |    |   | X | Ice | 1 | B |
|                                    |              | Contract Lab                                                                 |                |                                             |                     |                 |                       |                        |                    |                          |                 |   |    |   |   |     |   |   |
| Molecular (QPCR-P-500ML)           |              | PCR-HF183                                                                    |                | PCR-BacR                                    |                     |                 | PCR-DG3               | Ice                    |                    |                          |                 |   |    |   |   |     |   |   |
|                                    |              | PCR-GULL2                                                                    |                | PCR-GFD                                     |                     |                 |                       |                        |                    |                          |                 |   |    |   |   |     |   |   |
| Tracers (BG-500ML)                 |              | W-E8321-DI                                                                   |                | W-E8321-MS                                  |                     |                 | Ice                   |                        |                    |                          |                 |   |    |   |   |     |   |   |
| Pesticides (BG-500ML) (BG-1L)      |              | W-E8321-DI                                                                   |                | W-E8321-MS                                  |                     | W-PSNP-TQ       |                       | Ice                    | MCAA<br>Exp.       | MCAA<br>Lot#             |                 |   |    |   |   |     |   |   |
|                                    |              | W-PCL-TQ-R                                                                   |                | W-CARB-AA (5 ml of<br>MCAA Buffer Solution) |                     | W-CT-CL-R       |                       |                        |                    |                          |                 |   |    |   |   |     |   |   |
|                                    |              | W-TR-SQ-R                                                                    |                | W-PCB-TQ-R                                  |                     |                 |                       |                        |                    |                          |                 |   |    |   |   |     |   |   |
| Phytoplankton                      |              | DTY-QN-C                                                                     |                | PKD-QN-BV                                   |                     |                 | Ice                   |                        |                    |                          |                 |   |    |   |   |     |   |   |
| DOC                                |              | W-DOC                                                                        |                | Field Filtered 0.45 um Filter               |                     |                 | Ice                   | H2SO<br>4*             |                    | <2                       |                 |   |    |   |   |     |   |   |
|                                    |              |                                                                              |                | Acid Preservative Expiration Date           |                     |                 |                       |                        |                    |                          |                 |   |    |   |   |     |   |   |
|                                    |              |                                                                              |                | Acid Preservative Lot Number                |                     |                 |                       |                        |                    |                          |                 |   |    |   |   |     |   |   |



|                                                                                                                                 |                                                       |
|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| RQ-2023-06-26-07                                                                                                                | Collected By: Ben Paswater, Devin Mathias             |
| Customer: FDEP                                                                                                                  | Field Report Prepared by: Ben Paswater, Devin Mathias |
| Project ID: SMP                                                                                                                 | Sampling Agency: FDEP                                 |
| WIN ID/Field ID: <br>WIN ID/Field ID: G2SW0169 | Comments:                                             |

Location: ENGLISH CREEK AT S COUNTY LINE

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 <sub>h</sub> ) |                       |              |
|------------------------------------|------------------------------------------------------------------------------|------------------------------------------|-------------------------------|-------------|------------------|--------------|-----------------|---------------------|------------------------------|-----------------------|--------------|
| 6/19/2023 1020                     | 5.48                                                                         | 68.1                                     | 26.5                          | 6.98        | 0.2              | 0.4          | 0.4             | 252.8               | 0.12                         |                       |              |
| Parameter Suite                    |                                                                              | Parameter Methods                        |                               |             |                  | Preservation |                 | pH Check            |                              | # Bottles sent to Lab | Bottle Group |
| Preserved Nutrients (P-500ML)      | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                  |                                          |                               |             |                  | Ice          | H2SO4*          | <2                  |                              |                       |              |
|                                    | Lot #                                                                        |                                          | Exp:                          |             |                  |              |                 |                     |                              |                       |              |
| Metals (P-500ML)                   | W-ICPMS                                                                      |                                          | W-ICP                         | W-HARD      | Ice              | HNO3*        | <2              |                     |                              |                       |              |
|                                    | Lot #                                                                        |                                          | Exp:                          |             |                  |              |                 |                     |                              |                       |              |
| Filtered Nutrients (P125ML)        | W-PO4-F                                                                      |                                          | Field Filtered 0.45 µm Filter |             |                  | Ice          |                 |                     |                              |                       |              |
|                                    | Filter Lot #                                                                 | Syringe Lot #                            |                               |             |                  |              |                 |                     |                              |                       |              |
| BOD (BP-1L)                        | OV-BODUNIN                                                                   |                                          |                               |             |                  | Ice          |                 |                     |                              |                       |              |
| Chlorophyll (BP-1L)                | CHLSUITE-W                                                                   |                                          |                               |             |                  | Ice          |                 |                     |                              |                       |              |
| Physical/Aggregate (Fresh) (P-1L)  | Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W- TDS |                                          |                               |             |                  | Ice          |                 |                     |                              |                       |              |
| Physical/Aggregate (Marine) (P-1L) | Alkalinity / W-F / W-TSS / TURBIDITY                                         |                                          |                               |             |                  | Ice          |                 |                     |                              |                       |              |
| Macroinvertebrates (PJ-2L)         | MI-FW-QLDC                                                                   | Formalin Lot #                           |                               |             | Formalin         |              |                 |                     |                              |                       |              |
| Periphyton (PT-50ML)               | ALGAE-ID                                                                     |                                          |                               |             |                  | Ice          |                 |                     |                              |                       |              |
| Microbiology (Contract Lab Bottle) | X                                                                            | E Coli                                   | F Coli                        | Enterococci | x                | Ice          |                 | 1                   | D                            |                       |              |
|                                    | Contract Lab                                                                 |                                          |                               |             |                  |              |                 |                     |                              |                       |              |
| Molecular (QPCR-P-500ML)           | PCR-HF183                                                                    |                                          | PCR-BacR                      | PCR-DG3     | Ice              |              |                 |                     |                              |                       |              |
|                                    | PCR-GULL2                                                                    |                                          | PCR-GFD                       |             |                  |              |                 |                     |                              |                       |              |
| Tracers (BG-500ML)                 | X                                                                            | W-E8321-DI                               | X                             | W-E8321-MS  | x                | Ice          | 1               | D                   |                              |                       |              |
| Pesticides (BG-500ML) (BG-1L)      | W-E8321-DI                                                                   | W-E8321-MS                               | W-PSNP-TQ                     | Ice         | MCAA Exp.        | MCAA Lot#    |                 |                     |                              |                       |              |
|                                    | W-PCL-TQ-R                                                                   | W-CARB-AA (5 ml of MCAA Buffer Solution) | W-CT-CL-R                     |             |                  |              |                 |                     |                              |                       |              |
|                                    | W-TR-SQ-R                                                                    | W-PCB-TQ-R                               |                               |             |                  |              |                 |                     |                              |                       |              |
| Phytoplankton                      | DTY-QN-C                                                                     |                                          | PKD-QN-BV                     |             |                  | Ice          |                 |                     |                              |                       |              |
| DOC                                | W-DOC                                                                        | Field Filtered 0.45 µm Filter            |                               |             | Ice              | H2SO4*       | <2              |                     |                              |                       |              |
|                                    |                                                                              | Acid Preservative Expiration Date        |                               |             |                  |              |                 |                     |                              |                       |              |
|                                    |                                                                              | Acid Preservative Lot Number             |                               |             |                  |              |                 |                     |                              |                       |              |



RQ-2023-06-26-07

Collected By: Ben Paswater, Devin Mathias

Customer: FDEP

Field Report Prepared by: Ben Paswater, Devin Mathias

Project ID: SMP

Sampling Agency: FDEP

 WIN ID/Field ID:   
 WIN ID/Field ID: G2SW0115

Comments:

Location: HOWELL BRANCH IN BEALSVILLE PARK

Matrix: Fresh

(Check One)

☒ Grab☐ Composite

| Date and Time {EST} | DO (mg/L) | DO (%SAT) | Temp. °C | pH   | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos/cm) | Salinity (PPT) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|--------------------|----------------|
| 6/19/2023<br>1050   | 5.06      | 62.1      | 25.8     | 7.08 | 0.3              | 0.6          | 0.6             | 230.1              | 0.11           |

  

| 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            |                 |          |                       |              |           |       |           |           |   |   |
|                                    | Filter Lot #                                                                 | Syringe Lot #                            | Ice             |          |                       |              |           |       |           |           |   |   |
| BOD (BP-1L)                        | OV-80DUNIN                                                                   |                                          | Ice             |          |                       |              |           |       |           |           |   |   |
| Chlorophyll (BP-1L)                | CHLSUITE-W                                                                   |                                          | Ice             |          |                       |              |           |       |           |           |   |   |
| Physical/Aggregate (Fresh) (P-1L)  | Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS |                                          | Ice             |          |                       |              |           |       |           |           |   |   |
| Physical/Aggregate (Marine) (P-1L) | Alkalinity / W-F / W-TSS / TURBIDITY                                         |                                          | Ice             |          |                       |              |           |       |           |           |   |   |
| Macroinvertebrates (PJ-2L)         | MI-FW-QLDC                                                                   | Formalin Lot #                           | Formalin        |          |                       |              |           |       |           |           |   |   |
| Periphyton (PT-50ML)               | ALGAE-ID                                                                     |                                          | Ice             |          |                       |              |           |       |           |           |   |   |
| Microbiology (Contract Lab Bottle) | X E Coli                                                                     | F Coli                                   | Enterococci     |          |                       |              | x Ice     | 1     | C         |           |   |   |
| Molecular (QPCR-P-500ML)           | PCR-HF183                                                                    |                                          | PCR-BacR        |          |                       |              | PCR-DG3   | Ice   |           |           |   |   |
|                                    | PCR-GULL2                                                                    |                                          | PCR-GFD         |          |                       |              |           |       |           |           |   |   |
| Tracers (BG-500ML)                 | W-E8321-DI                                                                   |                                          | W-E8321-MS      |          |                       |              | Ice       |       |           |           |   |   |
| Pesticides (BG-500ML) (BG-1L)      | W-E8321-DI                                                                   | W-E8321-MS                               | X               |          |                       |              | W-PSNP-TQ | x Ice | MCAA Exp. | MCAA Lot# | 4 | C |
|                                    | W-PCL-TQ-R                                                                   | W-CARB-AA (5 ml of MCAA Buffer Solution) |                 |          |                       |              | W-CT-CL-R |       |           |           |   |   |
|                                    | X W-TR-SQ-R                                                                  | W-PCB-TQ-R                               |                 |          |                       |              |           |       |           |           |   |   |
| Phytoplankton                      | DTY-QN-C                                                                     |                                          | PKD-QN-BV       |          | Ice                   |              |           |       |           |           |   |   |
| DOC                                | W-DOC                                                                        | Field Filtered 0.45 µm Filter            |                 | Ice      | H2SO4*                | <2           |           |       |           |           |   |   |
|                                    |                                                                              | Acid Preservative Expiration Date        |                 |          |                       |              |           |       |           |           |   |   |
|                                    |                                                                              | Acid Preservative Lot Number             |                 |          |                       |              |           |       |           |           |   |   |



|                                                                                                                                 |                                                       |
|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| RQ-2023-06-26-07                                                                                                                | Collected By: Ben Paswater, Devin Mathias             |
| Customer: FDEP                                                                                                                  | Field Report Prepared by: Ben Paswater, Devin Mathias |
| Project ID: SMP                                                                                                                 | Sampling Agency: FDEP                                 |
| WIN ID/Field ID: <br>WIN ID/Field ID: G2SW0087 | Comments:                                             |

Location: SEFFNER CANAL S OF MLK

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)        |              |       |           |           |   |   |  |  |
|------------------------------------|-----------|-----------------------------------------------------------------------------|----------|------------------------------------------|------------------|-------------------------------|-----------------|--------------------|-----------------------|--------------|-------|-----------|-----------|---|---|--|--|
| 6/19/2023 1145                     | 5.29      | 70.9                                                                        | 30.7     | 7.1                                      | 0.2              | 0.4                           | 0.4             | 305.5              | 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)                   |           | x                                                                           | W-ICPMS  | x                                        | W-ICP            | x                             | W-HARD          | x                  | Ice                   | x            | HNO3* | X         | <2        | 1 | A |  |  |
|                                    |           | Lot #                                                                       |          | NA 2230040                               |                  | Exp:                          |                 | 09/01/2023         |                       |              |       |           |           |   |   |  |  |
| Filtered Nutrients (P125ML)        |           | W-PO4-F                                                                     |          |                                          |                  | Field Filtered 0.45 µm Filter |                 |                    |                       |              |       |           |           |   |   |  |  |
|                                    |           | Filter Lot #                                                                |          | Syringe Lot #                            |                  |                               |                 |                    |                       |              |       |           |           |   |   |  |  |
| BOD (BP-1L)                        |           | OV-BODUNIN                                                                  |          |                                          |                  |                               |                 | Ice                |                       |              |       |           |           |   |   |  |  |
| Chlorophyll (BP-1L)                |           | CHLSUITE-W                                                                  |          |                                          |                  |                               |                 | Ice                |                       |              |       |           |           |   |   |  |  |
| Physical/Aggregate (Fresh) (P-1L)  |           | Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W-TDS |          |                                          |                  |                               |                 | Ice                |                       |              |       |           |           |   |   |  |  |
| Physical/Aggregate (Marine) (P-1L) |           | Alkalinity / W-F / W-TSS / TURBIDITY                                        |          |                                          |                  |                               |                 | Ice                |                       |              |       |           |           |   |   |  |  |
| Macroinvertebrates (PJ-2L)         |           | MI-FW-QLDC                                                                  |          | Formalin Lot #                           |                  |                               |                 | Formalin           |                       |              |       |           |           |   |   |  |  |
| Periphyton (PT-50ML)               |           | ALGAE-ID                                                                    |          |                                          |                  |                               |                 | Ice                |                       |              |       |           |           |   |   |  |  |
| Microbiology (Contract Lab Bottle) |           | E Coli                                                                      |          | F Coli                                   |                  | Enterococci                   |                 |                    |                       | Ice          |       |           |           |   |   |  |  |
|                                    |           | Contract Lab                                                                |          |                                          |                  |                               |                 |                    |                       |              |       |           |           |   |   |  |  |
| Molecular (QPCR-P-500ML)           |           | PCR-HF183                                                                   |          | PCR-BacR                                 |                  | PCR-DG3                       |                 |                    |                       | Ice          |       |           |           |   |   |  |  |
|                                    |           | PCR-GULL2                                                                   |          | PCR-GFD                                  |                  |                               |                 |                    |                       |              |       |           |           |   |   |  |  |
| Tracers (BG-500ML)                 |           | W-E8321-DI                                                                  |          | W-E8321-MS                               |                  |                               |                 | Ice                |                       |              |       |           |           |   |   |  |  |
| Pesticides (BG-500ML) (BG-1L)      |           | W-E8321-DI                                                                  |          | W-E8321-MS                               |                  | W-PSNP-TQ                     |                 |                    |                       | Ice          |       | MCAA Exp. | MCAA Lot# |   |   |  |  |
|                                    |           | W-PCL-TQ-R                                                                  |          | W-CARB-AA (5 ml of MCAA Buffer Solution) |                  | W-CT-CL-R                     |                 |                    |                       |              |       |           |           |   |   |  |  |
|                                    |           | W-TR-SQ-R                                                                   |          | W-PCB-TQ-R                               |                  |                               |                 |                    |                       |              |       |           |           |   |   |  |  |
| Phytoplankton                      |           | DTY-QN-C                                                                    |          | PKD-QN-BV                                |                  |                               |                 | Ice                |                       |              |       |           |           |   |   |  |  |
| DOC                                |           | W-DOC                                                                       |          | Field Filtered 0.45 µm Filter            |                  |                               |                 | Ice                |                       | H2SO4*       |       |           | <2        |   |   |  |  |
|                                    |           | Acid Preservative Expiration Date                                           |          |                                          |                  |                               |                 |                    |                       |              |       |           |           |   |   |  |  |
|                                    |           | Acid Preservative Lot Number                                                |          |                                          |                  |                               |                 |                    |                       |              |       |           |           |   |   |  |  |



|                  |                                                       |
|------------------|-------------------------------------------------------|
| RQ-2023-06-26-07 | Collected By: Ben Paswater, Devin Mathias             |
| Customer: FDEP   | Field Report Prepared by: Ben Paswater, Devin Mathias |
| Project ID: SMP  | Sampling Agency: FDEP                                 |

WIN ID/Field ID:   
WIN ID/Field ID: G2SW0085

Comments:

Location: PEMBERTON CREEK AT GALLAGHER 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) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|--------------------|----------------|
| 6/19/2023<br>1205   | 7.01      | 87.8      | 26.9     | 7.24 | 0.3              | 0.7          | 0.7             | 188.9              | 0.09           |

| 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<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                     |          |                       |              |
| BOD (BP-1L)                        | OV-80DUNIN                                                                                                               | Ice                     |          |                       |              |
| Chlorophyll (BP-1L)                | CHLSUITE-W                                                                                                               | Ice                     |          |                       |              |
| Physical/Aggregate (Fresh) (P-1L)  | Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS                                              | Ice                     |          |                       |              |
| Physical/Aggregate (Marine) (P-1L) | Alkalinity / W-F / W-TSS / TURBIDITY                                                                                     | Ice                     |          |                       |              |
| Macroinvertebrates (PJ-2L)         | MI-FW-QLDC Formalin Lot # _____                                                                                          | Formalin                |          |                       |              |
| Periphyton (PT-50ML)               | ALGAE-ID                                                                                                                 | Ice                     |          |                       |              |
| Microbiology (Contract Lab Bottle) | X E Coli F Coli Enterococci<br>Contract Lab                                                                              | x Ice                   |          | 1                     | B            |
| 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<br>W-TR-SQ-R W-PCB-TQ-R | Ice MCAA Exp. MCAA Lot# |          |                       |              |
| Phytoplankton                      | DTY-QN-C PKD-QN-BV                                                                                                       | Ice                     |          |                       |              |
| DOC                                | W-DOC Field Filtered 0.45 µm Filter<br>Acid Preservative Expiration Date _____<br>Acid Preservative Lot Number _____     | Ice H2SO4*              | <2       |                       |              |

Date of Request: 11-MAY-2023  
 Created By: PASWATER\_B On: 11-MAY-2023  
 Modified By: JASROTIA\_P On: 08-JUN-2023  
 Customer: SW-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Southwest District  
 Event Description: Run 12

**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: AYRES\_J On: 08-JUN-2023  
 Biology Request Reviewed By: JASROTIA\_P On: 08-JUN-2023  
 Sampling Kit Required: YES Ship on: 16-JUN-2023  
 Sampling Kit Shipped: YES On: 12-JUN-2023  
 Sampling Kit Packed By: PENDLETO\_C  
 Preservatives Needed: NO  
 Date to Receive Samples: 26-JUN-2023  
 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  
 ;Devin.Mathias@FloridaDEP.gov

**Comments:****Bottle Group A (Water) With 2 Samples:**

|                      |                      |                                                                                                                                                |
|----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 2 | Preserved With: HNO3                                                                                                                           |
| W-HARD               | Template: DEFAULT    | (SM 2340 B-2011) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3                                                          |
| Hardness             |                      |                                                                                                                                                |
| W-ICP                | Template: DEFAULT    | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| Aluminum             |                      |                                                                                                                                                |
| Antimony             |                      |                                                                                                                                                |
| Arsenic              |                      |                                                                                                                                                |
| Barium               |                      |                                                                                                                                                |
| Beryllium            |                      |                                                                                                                                                |
| Boron                |                      |                                                                                                                                                |
| Cadmium              |                      |                                                                                                                                                |
| Calcium              |                      |                                                                                                                                                |
| Chromium             |                      |                                                                                                                                                |
| Cobalt               |                      |                                                                                                                                                |
| Copper               |                      |                                                                                                                                                |
| Iron                 |                      |                                                                                                                                                |
| Lead                 |                      |                                                                                                                                                |
| Magnesium            |                      |                                                                                                                                                |
| Manganese            |                      |                                                                                                                                                |
| Molybdenum           |                      |                                                                                                                                                |
| Nickel               |                      |                                                                                                                                                |
| Potassium            |                      |                                                                                                                                                |
| Selenium             |                      |                                                                                                                                                |
| Silver               |                      |                                                                                                                                                |
| Sodium               |                      |                                                                                                                                                |
| Strontium            |                      |                                                                                                                                                |
| Thallium             |                      |                                                                                                                                                |
| Tin                  |                      |                                                                                                                                                |
| Titanium             |                      |                                                                                                                                                |

**Bottle Group A (Water) With 2 Samples:**

|                      |                      |                                                                                                                                                |
|----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 2 | Preserved With: HNO3                                                                                                                           |
| W-ICP                | Template: DEFAULT    | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| Vanadium             |                      |                                                                                                                                                |
| Zinc                 |                      |                                                                                                                                                |
| W-ICPMS              | Template: DEFAULT    | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects                    |
| Aluminum             |                      |                                                                                                                                                |
| Antimony             |                      |                                                                                                                                                |
| Arsenic              |                      |                                                                                                                                                |
| Barium               |                      |                                                                                                                                                |
| Beryllium            |                      |                                                                                                                                                |
| Boron                |                      |                                                                                                                                                |
| Cadmium              |                      |                                                                                                                                                |
| Chromium             |                      |                                                                                                                                                |
| Cobalt               |                      |                                                                                                                                                |
| Copper               |                      |                                                                                                                                                |
| Lead                 |                      |                                                                                                                                                |
| Manganese            |                      |                                                                                                                                                |
| Molybdenum           |                      |                                                                                                                                                |
| Nickel               |                      |                                                                                                                                                |
| Selenium             |                      |                                                                                                                                                |
| Silver               |                      |                                                                                                                                                |
| Thallium             |                      |                                                                                                                                                |

**Bottle Group B (Water) With 2 Samples:**

|                             |                      |                                                                                                            |
|-----------------------------|----------------------|------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-250ML-WO-THI | Number of Bottles: 2 | Preserved With: ICE                                                                                        |
| ECOLI-18QT                  | Template: DEFAULT    | (SM 9223 B Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems |

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

|                             |                      |                                                                                                            |
|-----------------------------|----------------------|------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-250ML-WO-THI | Number of Bottles: 1 | Preserved With: ICE                                                                                        |
| ECOLI-18QT                  | Template: DEFAULT    | (SM 9223 B Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems |
| Bottle Type: BG-500ML       | Number of Bottles: 4 | Preserved With: ICE                                                                                        |
| W-PSNP-TQ                   | Template: DEFAULT    | (EPA 8270E) Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS                         |
| W-TR-SQ-R                   | Template: DEFAULT    | (EPA 8270E) Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM                     |

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

|                             |                      |                                                                                                            |
|-----------------------------|----------------------|------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-250ML-WO-THI | Number of Bottles: 1 | Preserved With: ICE                                                                                        |
| ECOLI-18QT                  | Template: DEFAULT    | (SM 9223 B Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems |
| Bottle Type: BG-500ML       | Number of Bottles: 1 | Preserved With: ICE                                                                                        |
| W-E8321-DI                  | Template: DEFAULT    | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                    |
| W-E8321-MS                  | Template: SMP        | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                    |

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