

# Login Checklist

RQ- 2023-09-11-58

Login Station ID: 5

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 9/14/23 @ 9:31

| *Cooler Temperature | Samples Frozen? | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |    |          |    | Waybill Tracking # |
|---------------------|-----------------|----------------------------------------|----------|---------------------------------------|---------------|----|----------|----|--------------------|
|                     |                 |                                        |          |                                       | Present?      |    | *Intact? |    |                    |
|                     | YES             | HNO <sub>3</sub>                       | Formalin |                                       | Yes           | No | Yes      | No |                    |
| 0-1                 |                 |                                        |          | 0                                     |               | X  |          |    | 64848458 2897      |
| 2-7                 |                 |                                        |          | 5                                     |               | X  |          |    | 0487 84382 288     |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |

## COOLER CHECK

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

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

Chain of Custody/ Field Sheet(s) Included?

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

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

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

## CONTAINER CHECK

Evidence Tape on Bottles?

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

If Criminal, photographs taken?

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

Caps on tight?

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

Sufficient Sample Volume:

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

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

**CHLORINE CHECK REQUIRED?** (Blue dot on container)

Yes X No \_\_\_\_\_ Init: C-P

Chlorine detected? (One container checked per Field ID)

Yes \_\_\_\_\_ No X Init: C-P

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: C-P

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

Yes \_\_\_\_\_ No \_\_\_\_\_ NA X Init: C-P

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

Coolers Unpacked/Checked by: C-P

Date: 9/14/23

Event contains NCRs (Y/N)? N

Event ID: SW-DIST-2023-09-14-01 (SMP)  
Date Received: 14-SEP-2023 09:38

## Login Checklist

### Login Preservation Equipment

### Lot # & Exp: Date

|                          |                     |
|--------------------------|---------------------|
| Infrared Thermometer ID: | 221426058 10/17/23  |
| pH Test Strips 0 – 6     | 207621 03/15/2024   |
| pH Paper 0 – 3           | NA                  |
| pH Paper 0 – 13          | 20762103 03/15/2024 |
| Chlorine Test Strips     | 1196 02/2024        |

### Additional Comments:

### 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:** 9/13/2023      **Collected By:** Ben Paswater, Ken Turman  
**Customer:** SW-DIST      **Sampling Agency:** FDEP  
**RQ:** RQ-2023-09-11-58      **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:** 2

**Delivery Method:** FedEx

**FIELD ID (Labels) submitted under this RQ for this collection date.**

| Site Location                                       | Field ID/WIN ID                                                                                  |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------|
| FISHHAWK CREEK AT HA SITE                           | <br>G2SW0144   |
| MOCCASSIN CREEK AT CR 39                            | <br>G2SW0161  |
| CHITO BRANCH AT CR39                                | <br>G2SW0135 |
| MCDONALD BRANCH AT THOMPSON RD                      | <br>G2SW0093 |
| ALAFIA RIVER S PRONG WEST BRANCH AT<br>KEYSVILLE RD | <br>G2SW0160 |

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 9/13/2023  
1700 EST

**THIS SECTION TO BE COMPLETED BY LABORATORY**

Rec'd/Inspected By:



Rec'd/Inspected

Date: 9-14-23

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

**Client Information: FDEP**

Address: 13051 N. Telecom Parkway  
Tampa FL 33604  
Phone # 815-470-5878

PO# C1EFCB

Report to: [benjamin.paswater@dep.state.fl.us](mailto:benjamin.paswater@dep.state.fl.us)  
DEP-Overflomicro@dep.state.fl.us

Invoice to: FDEP Micro Overflow

Project Name: RQ-2023-09.11.58

Laboratory Submission # 23090629

| Sample Name         | Sample Type / Sample Matrix <sup>2</sup> | Collection |      | Container |          | Preservative <sup>4</sup> | Parameters for Analysis | Laboratory Sample # |
|---------------------|------------------------------------------|------------|------|-----------|----------|---------------------------|-------------------------|---------------------|
|                     |                                          | Date       | Time | Qty       | Capacity | Type <sup>3</sup>         |                         |                     |
| <del>625W0144</del> | SW                                       | 13SEP23    | 0935 | 1         | 250mL    | P                         | E. coli                 | 1                   |
| 625W0161            | SW                                       | "          | 1010 | 1         | 250mL    | P                         | E. coli                 | 2                   |
| 625W0135            | SW                                       | "          | 1025 | 1         | 250mL    | P                         | E. coli                 | 3                   |
| 625W0093            | SW                                       | "          | 1040 | 1         | 250mL    | P                         | E. coli                 | 4                   |
| 625W0160            | SW                                       | "          | 1100 | 1         | 250mL    | P                         | E. coli                 | 5                   |
|                     | SW                                       |            |      |           | 250mL    | P                         |                         |                     |
|                     | SW                                       |            |      |           | 250mL    | P                         |                         |                     |

1. "Sample Type" is used to indicate whether the sample was grab (G) or flow (F) and is a composite (C).  
2. "Sample Matrix" is used to indicate whether the sample is being analyzed for drinking water (DW), groundwater (GW), surface water (SW), or sludge (SLUD).  
3. "Type" is used to indicate the container type: plastic (P) or glass (G).  
4. "Preservative" is used to indicate the preservative used: none (N), formalin (F), or other (O).  
5. "Parameters for Analysis" is used to indicate the parameters being analyzed: BOD, COD, TSS, TDS, pH, DO, ORP, etc.

Laboratory Sample Acceptability:  
Temperature: 1.2°C

|   |                                                |                      |                   |                                     |                      |                   |
|---|------------------------------------------------|----------------------|-------------------|-------------------------------------|----------------------|-------------------|
| 1 | Collected / Relinquished By: <u>K. TURKMAN</u> | Date: <u>13SEP23</u> | Time: <u>1227</u> | Received By: <u>Nathan Haddrell</u> | Date: <u>9-13-23</u> | Time: <u>1227</u> |
| 2 | Relinquished By:                               | Date:                | Time:             | Received By:                        | Date:                | Time:             |



RQ-2023-09-11-58

Collected By: Ben Paswater, Ken Turman

Customer: FDEP

Field Report Prepared by: Ben Paswater, Ken Turman

Project ID: SMP

Sampling Agency: FDEP

 WIN ID/Field ID:   
 WIN ID/Field ID: G2SW0144

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

Location: FISHHAWK CREEK AT HA SITE

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) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|---------------------|----------------|
| 9/13/2023<br>935    | 6.87      | 84.4      | 25.7     | 7.33 | 0.15             | 0.3          | 0.3             | 320.1               | 0.15           |

  

| 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-CI-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 |
|                                    | X Contract Lab                                                               |                 |           |                       |              |   |   |
| Molecular (QPCR-P-500ML)           | X PCR-HF183      X PCR-BacR      X PCR-DG3                                   | x Ice           | 1         | B                     |              |   |   |
|                                    | PCR-GULL2      PCR-GFD                                                       |                 |           |                       |              |   |   |
| Tracers (BG-500ML)                 | X W-E8321-DI      X W-E8321-MS                                               | x Ice           | 1         | B                     |              |   |   |
| Pesticides (BG-500ML) (BG-1L)      | W-E8321-DI      W-E8321-MS      W-PSNP-TQ                                    | Ice             | MCAA Exp. | MCAA Lot#             |              |   |   |
|                                    | W-PCL-TQ-R      W-CARB-AA (5 ml of MCAA Buffer Solution)      W-CT-CL-R      |                 |           |                       |              |   |   |
|                                    | W-TR-SQ-R      W-PCB-TQ-R                                                    |                 |           |                       |              |   |   |
| Phytoplankton (BP-1L)              | DTY-QN-C      PKD-QN-8V                                                      | Ice             |           |                       |              |   |   |
| DOC (P-500ML)                      | W-DOC      Field Filtered 0.45 µm Filter                                     | Ice      H2SO4* | <2        |                       |              |   |   |
|                                    | Acid Preservative Expiration Date                                            |                 |           |                       |              |   |   |
|                                    | Acid Preservative Lot Number                                                 |                 |           |                       |              |   |   |



RQ-2023-09-11-58

Customer: FDEP

Project ID: SMP

Collected By: Ben Paswater, Ken Turman

Field Report Prepared by: Ben Paswater, Ken Turman

Sampling Agency: FDEP

WIN ID/Field ID:



WIN ID/Field ID: G2SW0161

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

Location: MOCCASSIN CREEK AT CR 39

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) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|---------------------|----------------|
| 9/13/2023 1010      | 5.56      | 69.4      | 26.7     | 7.47 | 0.15             | 0.3          | 0.3             | 323.5               | 0.15           |

| Parameter Suite                    | Parameter Methods |                                                                             |                                   |                                          | Preservation |             | pH Check |           | # Bottles sent to Lab | Bottle Group |   |   |
|------------------------------------|-------------------|-----------------------------------------------------------------------------|-----------------------------------|------------------------------------------|--------------|-------------|----------|-----------|-----------------------|--------------|---|---|
| Preserved Nutrients (P-500ML)      | X                 | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                 |                                   |                                          | X            | Ice         | X        | H2SO4*    | X                     | <2           | 1 | D |
|                                    |                   | Lot #                                                                       |                                   | 143722                                   | Exp:         | 01/22/2024  |          |           |                       |              |   |   |
| Metals (P-500ML)                   |                   | W-ICPMS                                                                     |                                   | W-ICP                                    | W-HARD       | Ice         |          | HNO3*     |                       | <2           |   |   |
|                                    |                   | Lot #                                                                       |                                   |                                          | Exp:         |             |          |           |                       |              |   |   |
| Filtered Nutrients (P125ML)        |                   | W-PO4-F                                                                     |                                   | Field Filtered 0.45 um Filter            |              | Ice         |          |           |                       |              |   |   |
|                                    |                   | Filter Lot #                                                                |                                   | Syringe Lot #                            |              |             |          |           |                       |              |   |   |
| BOD (BP-1L)                        |                   | OV-BODUNIN                                                                  |                                   |                                          |              | Ice         |          |           |                       |              |   |   |
| Chlorophyll (BP-1L)                | X                 | CHLSUITE-W                                                                  |                                   |                                          |              | x           | Ice      |           |                       | 1            | D |   |
| Physical/Aggregate (Fresh) (P-1L)  | X                 | Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W-TDS |                                   |                                          |              | x           | Ice      |           |                       | 1            | D |   |
| 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 |   |
|                                    | X                 | Contract Lab                                                                |                                   |                                          |              |             |          |           |                       |              |   |   |
| Molecular (QPCR-P-500ML)           |                   | PCR-HF183                                                                   |                                   | PCR-BacR                                 |              | PCR-DG3     | Ice      |           |                       |              |   |   |
|                                    |                   | PCR-GULL2                                                                   |                                   | PCR-GFD                                  |              |             |          |           |                       |              |   |   |
| Tracers (BG-500ML)                 |                   | W-E8321-DI                                                                  |                                   | W-E8321-MS                               |              | Ice         |          |           |                       |              |   |   |
| Pesticides (BG-500ML) (BG-1L)      |                   | W-E8321-DI                                                                  |                                   | W-E8321-MS                               |              | W-PSNP-TQ   | Ice      | MCAA Exp. | MCAA Lot#             |              |   |   |
|                                    |                   | W-PCL-TQ-R                                                                  |                                   | W-CARB-AA (5 ml of MCAA Buffer Solution) |              | W-CT-CL-R   |          |           |                       |              |   |   |
|                                    |                   | W-TR-SQ-R                                                                   |                                   | W-PCB-TQ-R                               |              |             |          |           |                       |              |   |   |
| Phytoplankton (BP-1L)              |                   | DTY-QN-C                                                                    |                                   | PKD-QN-BV                                |              | Ice         |          |           |                       |              |   |   |
| DOC (P-500ML)                      |                   | W-DOC                                                                       |                                   | Field Filtered 0.45 um Filter            |              | Ice         |          | H2SO 4*   | <2                    |              |   |   |
|                                    |                   |                                                                             | Acid Preservative Expiration Date |                                          |              |             |          |           |                       |              |   |   |
|                                    |                   |                                                                             | Acid Preservative Lot Number      |                                          |              |             |          |           |                       |              |   |   |



RQ-2023-09-11-58

Collected By: Ben Paswater, Ken Turman

Customer: FDEP

Field Report Prepared by: Ben Paswater, Ken Turman

Project ID: SMP

Sampling Agency: FDEP

WIN ID/Field ID:



WIN ID/Field ID: G2SW0135

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

Location: CHITO BRANCH AT CR39

Matrix: Fresh

(Check One)

☒ Grab☐ Composite

| Date and Time {EST} | DO (mg/L) | DO (%SAT) | Temp. °C | pH   | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos /cm) | Salinity (PPTH) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|---------------------|-----------------|
| 9/13/2023 1025      | 3.39      | 41.3      | 25.5     | 6.94 | 0.15             | 0.3          | 0.3             | 185.6               | 0.09            |

  

| Parameter Suite                    | Parameter Methods |                                                                              |                               |                                          | Preservation |             | pH Check |        | # Bottles sent to Lab | Bottle Group |   |   |     |   |   |
|------------------------------------|-------------------|------------------------------------------------------------------------------|-------------------------------|------------------------------------------|--------------|-------------|----------|--------|-----------------------|--------------|---|---|-----|---|---|
| Preserved Nutrients (P-500ML)      | X                 | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                  |                               |                                          | X            | Ice         | X        | H2SO4* | X                     | <2           | 1 | A |     |   |   |
|                                    |                   | Lot #                                                                        | 143722                        | Exp:                                     | 01/22/2024   |             |          |        |                       |              |   |   |     |   |   |
| Metals (P-500ML)                   |                   | W-ICPMS                                                                      |                               | W-ICP                                    | W-HARD       | Ice         | HNO3*    |        | <2                    |              |   |   |     |   |   |
|                                    |                   | Lot #                                                                        |                               | Exp:                                     |              |             |          |        |                       |              |   |   |     |   |   |
| Filtered Nutrients (P125ML)        |                   | W-PO4-F                                                                      | Field Filtered 0.45 µm Filter |                                          |              |             | Ice      |        |                       |              |   |   |     |   |   |
|                                    |                   | Filter Lot #                                                                 |                               | Syringe Lot #                            |              |             |          |        |                       |              |   |   |     |   |   |
| BOD (BP-1L)                        |                   | OV-BODUNIN                                                                   |                               |                                          |              |             | Ice      |        |                       |              |   |   |     |   |   |
| Chlorophyll (BP-1L)                | X                 | CHLSUITE-W                                                                   |                               |                                          |              | X           | Ice      |        |                       |              |   |   | 1   | A |   |
| Physical/Aggregate (Fresh) (P-1L)  | X                 | Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-IC / W-COLOR / W-SO4-IC / W- TDS |                               |                                          |              | X           | Ice      |        |                       |              |   |   | 1   | A |   |
| Physical/Aggregate (Marine) (P-1L) |                   | Alkalinity / W-F / W-TSS / TURBIDITY                                         |                               |                                          |              |             | Ice      |        |                       |              |   |   |     |   |   |
| Macroinvertebrates (PJ-2L)         |                   | MI-FW-QLDC                                                                   | Formalin Lot #                |                                          |              |             | Formalin |        |                       |              |   |   |     |   |   |
| Periphyton (PT-50ML)               |                   | ALGAE-ID                                                                     |                               |                                          |              |             | Ice      |        |                       |              |   |   |     |   |   |
| Microbiology (Contract Lab Bottle) | X                 | E Coli                                                                       |                               | F Coli                                   |              | Enterococci | X        |        |                       |              |   |   | Ice | 1 | A |
|                                    | X                 | Contract Lab                                                                 |                               |                                          |              |             |          |        |                       |              |   |   |     |   |   |
| Molecular (QPCR-P-500ML)           | X                 | PCR-HF183                                                                    | X                             | PCR-BacR                                 | X            | PCR-DG3     | X        | Ice    | 1                     | A            |   |   |     |   |   |
|                                    |                   | PCR-GULL2                                                                    |                               | PCR-GFD                                  |              |             |          |        |                       |              |   |   |     |   |   |
| Tracers (BG-500ML)                 | X                 | W-E8321-DI                                                                   | X                             | W-E8321-MS                               |              |             | X        | Ice    | 1                     | A            |   |   |     |   |   |
| Pesticides (BG-500ML) (BG-1L)      |                   | W-E8321-DI                                                                   |                               | W-E8321-MS                               |              | 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 (BP-1L)              |                   | DTY-QN-C                                                                     |                               | PKD-QN-BV                                |              |             |          | Ice    |                       |              |   |   |     |   |   |
| DOC (P-500ML)                      |                   | W-DOC                                                                        |                               | Field Filtered 0.45 µm Filter            |              |             |          | Ice    | H2SO4*                | <2           |   |   |     |   |   |
|                                    |                   | Acid Preservative Expiration Date                                            |                               |                                          |              |             |          |        |                       |              |   |   |     |   |   |
|                                    |                   | Acid Preservative Lot Number                                                 |                               |                                          |              |             |          |        |                       |              |   |   |     |   |   |



|                                                                                                                                               |                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| RQ-2023-09-11-58                                                                                                                              | Collected By: Ben Paswater, Ken Turman                             |
| Customer: FDEP                                                                                                                                | Field Report Prepared by: Ben Paswater, Ken Turman                 |
| Project ID: SMP                                                                                                                               | Sampling Agency: FDEP                                              |
| <b>WIN ID/Field ID:</b> <br><b>WIN ID/Field ID:</b> G2SW0093 | Comments: Microbiology sample(s) submitted to contract laboratory. |

Location: MCDONALD BRANCH AT THOMPSON RD

Matrix: Fresh

(Check One)

☒ Grab☐ Composite

| Date and Time {EST}                | DO (mg/L)                                                                   | DO (%SAT)                                | Temp. °C  | pH          | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos /cm)   | Salinity (PPTH) |   |   |
|------------------------------------|-----------------------------------------------------------------------------|------------------------------------------|-----------|-------------|------------------|--------------|-----------------|-----------------------|-----------------|---|---|
| 9/13/2023 1040                     | 6.04                                                                        | 72.8                                     | 24.8      | 7.45        | 0.15             | 0.3          | 0.3             | 234.8                 | 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            |           |             | Ice              |              |                 |                       |                 |   |   |
|                                    | Filter Lot #                                                                | Syringe Lot #                            |           |             |                  |              |                 |                       |                 |   |   |
| BOD (BP-1L)                        | OV-BODUNIN                                                                  |                                          |           |             | Ice              |              |                 |                       |                 |   |   |
| Chlorophyll (BP-1L)                | CHLSUITE-W                                                                  |                                          |           |             | Ice              |              |                 |                       |                 |   |   |
| Physical/Aggregate (Fresh) (P-1L)  | Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS |                                          |           |             | Ice              |              |                 |                       |                 |   |   |
| Physical/Aggregate (Marine) (P-1L) | Alkalinity / W-F / W-TSS / TURBIDITY                                        |                                          |           |             | Ice              |              |                 |                       |                 |   |   |
| Macroinvertebrates (PJ-2L)         | MI-FW-QLDC                                                                  | Formalin Lot #                           |           |             | Formalin         |              |                 |                       |                 |   |   |
| Periphyton (PT-50ML)               | ALGAE-ID                                                                    |                                          |           |             | Ice              |              |                 |                       |                 |   |   |
| Microbiology (Contract Lab Bottle) | X                                                                           | E Coli                                   | F Coli    | Enterococci | X                | Ice          |                 |                       |                 | 1 | C |
|                                    | X                                                                           | 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               | C                     |                 |   |   |
| 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 (BP-1L)              | DTY-QN-C                                                                    | PKD-QN-BV                                |           |             | Ice              |              |                 |                       |                 |   |   |
| DOC (P-500ML)                      | W-DOC                                                                       | Field Filtered 0.45 µm Filter            |           |             | Ice              | H2SO4*       | <2              |                       |                 |   |   |
|                                    |                                                                             | Acid Preservative Expiration Date        |           |             |                  |              |                 |                       |                 |   |   |
|                                    |                                                                             | Acid Preservative Lot Number             |           |             |                  |              |                 |                       |                 |   |   |



|                                                                                                                                 |                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| RQ-2023-09-11-58                                                                                                                | Collected By: Ben Paswater, Ken Turman                             |
| Customer: FDEP                                                                                                                  | Field Report Prepared by: Ben Paswater, Ken Turman                 |
| Project ID: SMP                                                                                                                 | Sampling Agency: FDEP                                              |
| WIN ID/Field ID: <br>WIN ID/Field ID: G2SW0160 | Comments: Microbiology sample(s) submitted to contract laboratory. |

Location: ALAFIA RIVER S PRONG WEST BRANCH AT KEYSVILLE RD

Matrix: Fresh

(Check One)

☒ Grab☐ Composite

| Date and Time {EST}                | DO (mg/L)         | DO (%SAT)                                                                   | Temp. °C                                 | pH                            | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos /cm) | Salinity (PPTH)       |              |   |   |
|------------------------------------|-------------------|-----------------------------------------------------------------------------|------------------------------------------|-------------------------------|------------------|--------------|-----------------|---------------------|-----------------------|--------------|---|---|
| 9/13/2023<br>1100                  | 6.29              | 76.3                                                                        | 25.1                                     | 7.07                          | 0.15             | 0.3          | 0.3             | 243.1               | 0.11                  |              |   |   |
| Parameter Suite                    | Parameter Methods |                                                                             |                                          |                               | Preservation     |              | pH Check        |                     | # Bottles sent to Lab | Bottle Group |   |   |
| Preserved Nutrients (P-500ML)      | X                 | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                 |                                          |                               | X                | Ice          | X               | H2SO4*              | X                     | <2           | 1 | D |
|                                    |                   | Lot #                                                                       |                                          | 143722                        | Exp:             | 01/22/2024   |                 |                     |                       |              |   |   |
| Metals (P-500ML)                   |                   | W-ICPMS                                                                     |                                          | W-ICP                         | W-HARD           |              | Ice             | HNO3*               |                       | <2           |   |   |
|                                    |                   | Lot #                                                                       |                                          | Exp:                          |                  |              |                 |                     |                       |              |   |   |
| Filtered Nutrients (P125ML)        |                   | W-PO4-F                                                                     |                                          | Field Filtered 0.45 um Filter |                  |              | Ice             |                     |                       |              |   |   |
|                                    |                   | Filter Lot #                                                                | Syringe Lot #                            |                               |                  |              |                 |                     |                       |              |   |   |
| BOD (BP-1L)                        |                   | OV-BODUNIN                                                                  |                                          |                               |                  |              | Ice             |                     |                       |              |   |   |
| Chlorophyll (BP-1L)                | X                 | CHLSUITE-W                                                                  |                                          |                               |                  | X            | Ice             |                     |                       |              |   |   |
| Physical/Aggregate (Fresh) (P-1L)  | X                 | Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS |                                          |                               |                  | X            | Ice             |                     |                       |              |   |   |
| Physical/Aggregate (Marine) (P-1L) |                   | Alkalinity / W-F / W-TSS / TURBIDITY                                        |                                          |                               |                  |              | Ice             |                     |                       |              |   |   |
| Macroinvertebrates (PJ-2L)         |                   | MI-FW-QLDC                                                                  | Formalin Lot #                           |                               |                  | Formalin     |                 |                     |                       |              |   |   |
| Periphyton (PT-50ML)               |                   | ALGAE-ID                                                                    |                                          |                               |                  |              | Ice             |                     | 1                     |              |   | D |
| Microbiology (Contract Lab Bottle) | X                 | E Coli                                                                      |                                          | F Coli                        | Enterococci      | X            | Ice             |                     |                       |              |   |   |
|                                    | X                 | Contract Lab                                                                |                                          |                               |                  |              |                 |                     |                       |              |   |   |
| Molecular (QPCR-P-500ML)           |                   | PCR-HF183                                                                   |                                          | PCR-BacR                      | PCR-DG3          |              | Ice             |                     |                       |              |   |   |
|                                    |                   | PCR-GULL2                                                                   |                                          | PCR-GFD                       |                  |              |                 |                     |                       |              |   |   |
| Tracers (BG-500ML)                 |                   | W-E8321-DI                                                                  |                                          | W-E8321-MS                    |                  |              | Ice             |                     |                       |              |   |   |
| Pesticides (BG-500ML) (BG-1L)      |                   | W-E8321-DI                                                                  | W-E8321-MS                               |                               | W-PSNP-TQ        | Ice          | MCAA Exp.       | MCAA Lot#           |                       |              |   |   |
|                                    |                   | W-PCL-TQ-R                                                                  | W-CARB-AA (5 ml of MCAA Buffer Solution) |                               | W-CT-CL-R        |              |                 |                     |                       |              |   |   |
|                                    |                   | W-TR-SQ-R                                                                   | W-PCB-TQ-R                               |                               |                  |              |                 |                     |                       |              |   |   |
| Phytoplankton (BP-1L)              |                   | DTY-QN-C                                                                    |                                          | PKD-QN-BV                     |                  |              | Ice             |                     |                       | <2           |   |   |
| DOC (P-500ML)                      |                   | W-DOC                                                                       | Field Filtered 0.45 um Filter            |                               |                  | Ice          |                 | H2SO4*              |                       |              |   |   |
|                                    |                   |                                                                             | Acid Preservative Expiration Date        |                               |                  |              |                 |                     |                       |              |   |   |
|                                    |                   |                                                                             | Acid Preservative Lot Number             |                               |                  |              |                 |                     |                       |              |   |   |



Date of Request: 17-AUG-2023  
 Created By: PASWATER\_B On: 17-AUG-2023  
 Modified By: JASROTIA\_P On: 24-AUG-2023  
 Customer: SW-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Southwest District  
 Event Description: SMP:: Run 13

**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: 23-AUG-2023  
 Biology Request Reviewed By: JASROTIA\_P On: 24-AUG-2023  
 Sampling Kit Required: YES Ship on: 05-SEP-2023  
 Sampling Kit Shipped: YES On: 01-SEP-2023  
 Sampling Kit Packed By: SHAIK\_A  
 Preservatives Needed: NO  
 Date to Receive Samples: 11-SEP-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: SE Hillsborough Creeks

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

|                             |                      |                                                                                                                                               |
|-----------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L           | Number of Bottles: 1 | Preserved With: ICE                                                                                                                           |
| ALKALINITY                  | Template: DEFAULT    | (SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO <sub>3</sub> /L                                                                    |
| TURBIDITY                   | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                                                            |
| W-CL-IC                     | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                                                             |
| W-COLOR                     | Template: DEFAULT    | (DEP SOP: NU-094-1) True Color measured at 450 nm (not valid for NPDES monitoring)                                                            |
| Color (true)                |                      |                                                                                                                                               |
| W-F                         | Template: DEFAULT    | (SM 4500-F- C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)                                       |
| W-SO4-IC                    | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                                                              |
| W-TDS                       | Template: DEFAULT    | (SM 2540 C-2015) Total Dissolved Solids in aqueous matrices                                                                                   |
| W-TSS                       | Template: DEFAULT    | (SM 2540 D-2015) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                                               |
| Bottle Type: BP-1L          | Number of Bottles: 1 | Preserved With: ICE                                                                                                                           |
| CHLSUITE-W                  | Template: DEFAULT    | (SM 10150 B) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                                         |
| 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-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: ICE                                                                                                                           |
| W-E8321-DI                  | Template: DEFAULT    | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                       |
| W-E8321-MS                  | Template: SMP        | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                       |
| Bottle Type: P-500ML        | Number of Bottles: 1 | Preserved With: ICE And H <sub>2</sub> SO <sub>4</sub>                                                                                        |
| W-NH3                       | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                                                    |
| W-NO2NO3                    | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                                                            |

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

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

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

|                             |                      |                                                                                                                                               |
|-----------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: 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-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: ICE                                                                                                                           |
| W-E8321-DI                  | Template: DEFAULT    | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                       |
| W-E8321-MS                  | Template: SMP        | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                       |

**Bottle 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: ICE                                                                     |
| W-E8321-DI                  | Template: DEFAULT    | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS |
| W-E8321-MS                  | Template: SMP        | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS |

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

|                             |                      |                                                                                                         |
|-----------------------------|----------------------|---------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L           | Number of Bottles: 2 | Preserved With: ICE                                                                                     |
| ALKALINITY                  | Template: DEFAULT    | (SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO3/L                                           |
| TURBIDITY                   | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                      |
| W-CL-IC                     | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                       |
| W-COLOR                     | Template: DEFAULT    | (DEP SOP: NU-094-1) True Color measured at 450 nm (not valid for NPDES monitoring)                      |
| Color (true)                |                      |                                                                                                         |
| W-F                         | Template: DEFAULT    | (SM 4500-F- C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring) |
| W-SO4-IC                    | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                        |
| W-TDS                       | Template: DEFAULT    | (SM 2540 C-2015) Total Dissolved Solids in aqueous matrices                                             |
| W-TSS                       | Template: DEFAULT    | (SM 2540 D-2015) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample         |
| Bottle Type: BP-1L          | Number of Bottles: 2 | Preserved With: ICE                                                                                     |
| CHLSUITE-W                  | Template: DEFAULT    | (SM 10150 B) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry   |
| Bottle Type: P-250ML-WI-THI | Number of Bottles: 2 | Preserved With: ICE                                                                                     |
| SW-BEA-ECQ                  | Template: DEFAULT    | (SM 9223 B Quanti-Tray) E. coli by Colilert/QT by BEA in Palmetto                                       |
| Bottle Type: P-500ML        | Number of Bottles: 2 | Preserved With: ICE And H2SO4                                                                           |
| W-NH3                       | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                              |
| W-NO2NO3                    | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                      |
| W-S-A-TP                    | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                     |
| W-TKN                       | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                        |
| W-TOC                       | Template: DEFAULT    | (SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices                                        |

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