

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
CHAIN OF CUSTODY FORM

**Date:** 11/1/2021  
**Customer:** WAS  
**RQ:** RQ-2021-10-04-13

**Collected By:** Curtis Musson, Blake Spencer  
**Sampling Agency:** FDEP  
**Project ID:** SMP

PLEASE RETURN THE ORIGINAL OF THIS FORM WITH SAMPLE SUBMITTAL  
FORMS AND THE COOLER PACKING WORKSHEET TO THE LAB

**Number of Coolers Shipped:** 4

**Delivery Method:** HandDelivered

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

| Site Location                      | Field ID/WIN ID                                                                                     |
|------------------------------------|-----------------------------------------------------------------------------------------------------|
| Minnow Creek At Lovewood Rd        | <br>G3WA0008      |
| Alligator Creek Upstream of SR 273 | <br>G3WA0005      |
| FB                                 | <br>FB_11012021 |
| Scurlock Creek at Pilgrim Rd       | <br>G3WA0009    |
| Pine Barn Creek at Woodrest Rd     | <br>G3WA0011    |
| Unnamed Creek at Woodrest Rd       | <br>G3WA0010    |

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 11/1/2021 EST

**THIS SECTION TO BE COMPLETED BY LABORATORY**

**Rec'd/Inspected By:**

**Rec'd/Inspected Date:**



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PLAN FIELD SHEET

January 2020

Meter Passed End  
of Day CCV  
Yes / No

**WIN Station Name:** Unnamed Creek at Woodrest Rd **Date:** 11/1/2021  
**WIN/Field ID:** G3WA0010 **WBID:** 262A **ENR:** - **Latitude:** 30.8069  
**County:** JACKSON **Org ID:** 21FLWQA **Longitude:** -85.46  
**Receiving Body of Water:** Choctawhatchee - St. Andrew **RQ:** 2021-10-04-13

| Sampling Team Members               |               | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-------------------------------------|---------------|-----------------|-------------------|---------------|--------------|--------------------|
| <input checked="" type="checkbox"/> | Curtis Musson |                 | x                 |               | x            | x                  |
| <input checked="" type="checkbox"/> | Blake Spencer | x               |                   | x             |              |                    |
| <input type="checkbox"/>            |               |                 |                   |               |              |                    |
| <input type="checkbox"/>            |               |                 |                   |               |              |                    |

| Sampling Equipment                                   |                                         |
|------------------------------------------------------|-----------------------------------------|
| <input checked="" type="checkbox"/> Sample Container | <input type="checkbox"/> Carboy         |
| <input type="checkbox"/> Dipper                      | <input type="checkbox"/> Van Dorn       |
| <input checked="" type="checkbox"/> Syringe          | <input type="checkbox"/> Pole           |
| Depth measured with: MeterStick                      |                                         |
| Secchi Equipment ID:                                 |                                         |
| Collection Method                                    |                                         |
| <input checked="" type="checkbox"/> Wading           | <input type="checkbox"/> Canoe/Kayak    |
| <input type="checkbox"/> From Shore                  | <input type="checkbox"/> Electric Motor |
| <input type="checkbox"/> Other                       | <input type="checkbox"/> Gasoline Motor |

|                                                                                                                                                                                                                                                                        |  |                   |  |              |  |                                  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------|--|--------------|--|----------------------------------|--|--|--|--|--|
| <b>Water Level:</b> <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Low <input type="checkbox"/> High <input type="checkbox"/> Dry <input type="checkbox"/> Pooled <input type="checkbox"/> Flooded                                                |  |                   |  |              |  | <b>Meter ID#</b> EXO #1          |  |  |  |  |  |
| <b>Photos:</b> NO                                                                                                                                                                                                                                                      |  | <b>Flow:</b> FLOW |  | <b>Tide:</b> |  | <b>Tide Times:</b><br>High: Low: |  |  |  |  |  |
| <b>Biological Samples Collected:</b> <input checked="" type="checkbox"/> None <input type="checkbox"/> HA <input type="checkbox"/> SCI <input type="checkbox"/> RPS <input type="checkbox"/> Algae ID <input type="checkbox"/> LVS <input type="checkbox"/> LVI Other: |  |                   |  |              |  |                                  |  |  |  |  |  |
| <b>SBIO ID Numbers:</b>                                                                                                                                                                                                                                                |  |                   |  |              |  |                                  |  |  |  |  |  |
| <b>Notes:</b>                                                                                                                                                                                                                                                          |  |                   |  |              |  |                                  |  |  |  |  |  |

## Duplicate Sample

|                             |              |                      |              |
|-----------------------------|--------------|----------------------|--------------|
| <b>Time Zone:</b> EST       | <b>Time:</b> | <b>Field ID:</b> N/A | (WIN ID_DUP) |
| <b>WIN DMT Activity ID:</b> |              |                      |              |

## Blank

|                                     |                                                     |                                  |                      |
|-------------------------------------|-----------------------------------------------------|----------------------------------|----------------------|
| <b>Time Zone:</b> EST               | <b>Time:</b> 959                                    | <b>Field ID:</b> FB_11012021     | (Blank Type_DDMYYYY) |
| <b>DI Source:</b> C-Building Tap    | <b>Location:</b> Alligator Creek Upstream of SR 273 |                                  |                      |
| <b>DI Type:</b> Field Blank         | <b>Equipment ID:</b>                                |                                  |                      |
| <b>DI Container (Name/ID):</b> DI-3 |                                                     | <b>DI Container Type:</b> Carboy |                      |

**LIMS EVENT ID:** WAS-SECT-11-01-01 **WIN Import ID:** 21FLWQA\_WAS-SECT-2021-11-01-01\_12-13-2021.TXT  
**Enter Field Parameters, Verify Station ID In LIMS DMT:** ESB 11/5/21 **QC Station ID, Field Parameters In LIMS DMT:** CLC 11/24/2021  
(Initials/Date) (Initials/Date)  
**Scan/Save Field Sheets** ESB 11/5/21 **Migrate Data to WIN:** DT 12/13/21 **Verify Data In WIN:**  
(Initials/Date) (Initials/Date) (Initials/Date)



RQ-2021-10-04-13  
Customer: WQAP  
Project ID: SMP

Collected By: Curtis Musson, Blake Spencer  
Field Report Prepared By: Curtis Musson  
Sampling Agency: FDEP

| Place Label Here<br><br>WIN ID/Field ID:<br>G3WA0010<br>Location: Unnamed Creek at Woodrest Rd |             |                                                                                                                                                                                                       |                                               |                                               |                                               | Comments:                                                                               |                                                    |                                        |                       |                    |  |
|------------------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------|-----------------------|--------------------|--|
| Matrix: Fresh                                                                                  |             |                                                                                                                                                                                                       |                                               |                                               |                                               | (Check one) <input checked="" type="checkbox"/> GRAB <input type="checkbox"/> COMPOSITE |                                                    |                                        |                       |                    |  |
| Date                                                                                           | Time        | DO (mg/L)                                                                                                                                                                                             | DO (%SAT)                                     | Temp. (C°)                                    | pH                                            | Sample Depth (m)                                                                        | Secchi Disk (m)                                    | Total Depth (m)                        | Sp COND (µmhos/cm)    | Salinity (PPT)     |  |
|                                                                                                | 1221<br>EST | 8.79                                                                                                                                                                                                  | 89.2                                          | 16                                            | 5.41                                          | 0.3                                                                                     | 0.6<br><input checked="" type="checkbox"/> VOB (S) | 0.6                                    | 30                    | 0.01               |  |
| 11/1/2021                                                                                      |             |                                                                                                                                                                                                       |                                               |                                               |                                               |                                                                                         |                                                    |                                        |                       |                    |  |
|                                                                                                | EST         |                                                                                                                                                                                                       |                                               |                                               |                                               |                                                                                         |                                                    |                                        |                       |                    |  |
| Parameter Suite                                                                                |             | Parameter Methods                                                                                                                                                                                     |                                               |                                               |                                               | Preservation                                                                            |                                                    | pH Check                               | # Bottles sent to Lab | Bottle Group       |  |
| Preserved Nutrients (P-500ML)                                                                  |             | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                                                                                                       |                                               |                                               |                                               | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4*      |                                                    | <input checked="" type="checkbox"/> <2 | 1                     | A                  |  |
|                                                                                                |             | Lot #                                                                                                                                                                                                 | Sa1105060                                     |                                               | Exp:                                          | 4-30-22                                                                                 |                                                    |                                        |                       |                    |  |
| Metals (P-500ML)                                                                               |             | <input checked="" type="checkbox"/> W-ICPMS <input checked="" type="checkbox"/> W-ICP <input checked="" type="checkbox"/> W-HARD                                                                      |                                               |                                               |                                               | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> HNO3*       |                                                    | <input checked="" type="checkbox"/> <2 | 1                     | A                  |  |
|                                                                                                |             | Lot #                                                                                                                                                                                                 | Na0344060                                     |                                               | Exp:                                          | 1-4-22                                                                                  |                                                    |                                        |                       |                    |  |
| Filtered Nutrients (P125ML)                                                                    |             | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                         |                                               |                                               |                                               | <input checked="" type="checkbox"/> Ice                                                 |                                                    |                                        | 1                     | A                  |  |
|                                                                                                |             | Filter Lot #                                                                                                                                                                                          | 17347262                                      |                                               |                                               |                                                                                         |                                                    |                                        |                       |                    |  |
|                                                                                                |             | Syringe Lot #                                                                                                                                                                                         | 1091364                                       |                                               |                                               |                                                                                         |                                                    |                                        |                       |                    |  |
| Chlorophyll (BP-1L)                                                                            |             | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                        |                                               |                                               |                                               | <input checked="" type="checkbox"/> Ice                                                 |                                                    |                                        | 1                     | A                  |  |
| Physical/Aggregate (Fresh) (P-1L)                                                              |             | <input checked="" type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS                                                                                       |                                               |                                               |                                               | <input checked="" type="checkbox"/> Ice                                                 |                                                    |                                        | 1                     | A                  |  |
| Physical/Aggregate (Marine) (P-1L)                                                             |             | <input type="checkbox"/> Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                                                                                                                               |                                               |                                               |                                               | <input type="checkbox"/> Ice                                                            |                                                    |                                        |                       |                    |  |
| Macroinvertebrates (PJ-2L)                                                                     |             | <input type="checkbox"/> MI-FW-QLDC                                                                                                                                                                   |                                               | Formalin Lot #                                |                                               | <input type="checkbox"/> Formalin                                                       |                                                    |                                        |                       |                    |  |
| Periphyton (PT-50ML)                                                                           |             | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                     |                                               |                                               |                                               | <input type="checkbox"/> Ice                                                            |                                                    |                                        |                       |                    |  |
| Microbiology (Contract Lab Bottle)                                                             |             | <input checked="" type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococci<br><input type="checkbox"/> Contract Lab                                              |                                               |                                               |                                               | <input checked="" type="checkbox"/> Ice                                                 |                                                    |                                        | 2                     | A                  |  |
| Molecular (QPCR-P-500ML)                                                                       |             | <input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-DG3<br><input type="checkbox"/> PCR-GULL2 <input type="checkbox"/> PCR-GFD <input type="checkbox"/> |                                               |                                               |                                               | <input type="checkbox"/> Ice                                                            |                                                    |                                        |                       |                    |  |
| Tracers (BG-500ML)                                                                             |             | <input checked="" type="checkbox"/> W-E8321-DI <input checked="" type="checkbox"/> W-E8321-MS                                                                                                         |                                               |                                               |                                               | <input checked="" type="checkbox"/> Ice                                                 |                                                    | 1                                      | A                     |                    |  |
| Pesticides (BG-500ML) (BG-1L)                                                                  |             | <input checked="" type="checkbox"/> W-E8321-DI                                                                                                                                                        | <input checked="" type="checkbox"/> WE8321-MS | <input checked="" type="checkbox"/> W-PSNP-TQ | <input checked="" type="checkbox"/> W-CT-CL-R | <input checked="" type="checkbox"/> Ice                                                 |                                                    | 6                                      | A                     |                    |  |
| Phytoplankton/Periphyton                                                                       |             |                                                                                                                                                                                                       |                                               |                                               | DTY-QN-C<br>PKD-QN-BV                         | <input type="checkbox"/> Ice                                                            |                                                    |                                        |                       |                    |  |
| Name:<br>Curtis Musson<br>Blake Spencer                                                        |             |                                                                                                                                                                                                       |                                               |                                               | Signature:<br><i>Blake Spencer</i>            |                                                                                         |                                                    |                                        |                       | Date:<br>11/1/2021 |  |

\*2.0 ml of Preservative used unless noted otherwise.

\*\*MCAA: Monochloroacetic acid buffer solution



RQ- 2021-10-04-13

Collected By: Curtis Musson, Blake SpencerCustomer: WQAPField Report Prepared By: Curtis Musson, Blake SpencerProject ID: SMPSampling Agency: FDEP

BLANK

Field ID: FB 11012021

Comments:

Matrix: Field Blank

(Check one) ☐ COMPOSITE ☒ GRAB

Date

Time

DI Source: C-Building Tap

11/1/2021

959

EST

| Parameter Suite                           | Parameter Methods                                                                                                                                                                                                                                                                                                                                  | Preservation                                                                      | pH Check                               | # Bottles sent to Lab | Bottle Group |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------|-----------------------|--------------|
| <b>Preserved Nutrients (P-500ML)</b>      | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                                                                                                                                                                                                                                                    | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4 | <input checked="" type="checkbox"/> <2 | 1                     | C            |
|                                           | Lot # Sa1105060 Exp: 4-30-22                                                                                                                                                                                                                                                                                                                       |                                                                                   |                                        |                       |              |
| <b>Metals (P-500ML)</b>                   | <input checked="" type="checkbox"/> W-ICPMS <input checked="" type="checkbox"/> W-ICP                                                                                                                                                                                                                                                              | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4 | <input checked="" type="checkbox"/> <2 | 1                     | C            |
|                                           | Lot # Na0344060 Exp: 1-4-22                                                                                                                                                                                                                                                                                                                        |                                                                                   |                                        |                       |              |
| <b>Filtered Nutrients (P125ML)</b>        | <input checked="" type="checkbox"/> W-PO4-F Filter <input checked="" type="checkbox"/> Field Filtered 0.45 µm                                                                                                                                                                                                                                      | <input checked="" type="checkbox"/> Ice                                           |                                        | 1                     | C            |
|                                           | Filter Lot # 17347262                                                                                                                                                                                                                                                                                                                              |                                                                                   |                                        |                       |              |
|                                           | Syringe Lot # 1091364                                                                                                                                                                                                                                                                                                                              |                                                                                   |                                        |                       |              |
| <b>Physical/Aggregate (Fresh) (P-1L)</b>  | <input checked="" type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-IC / TDS                                                                                                                                                                                                                               | <input checked="" type="checkbox"/> Ice                                           |                                        | 1                     | C            |
| <b>Physical/Aggregate (Marine) (P-1L)</b> | <input type="checkbox"/> Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                                                                                                                                                                                                                                                                            | <input type="checkbox"/> Ice                                                      |                                        |                       |              |
| <b>Tracers (BG-500ML)</b>                 | <input checked="" type="checkbox"/> W-E8321-DI <input checked="" type="checkbox"/> W-E8321-MS                                                                                                                                                                                                                                                      | <input checked="" type="checkbox"/> Ice                                           |                                        | 1                     | C            |
| <b>Pesticides (BG-500ML) (BG-1L)</b>      | <input checked="" type="checkbox"/> W-E8321-DI <input checked="" type="checkbox"/> WE8321-MS <input checked="" type="checkbox"/> W-PSNP-TQ <input checked="" type="checkbox"/> W-CT-CL-R<br><input checked="" type="checkbox"/> W-PCL-TQ-R <input checked="" type="checkbox"/> W-CARB-AA (5 ml of MCAA** Buffer Solution) <input type="checkbox"/> | <input checked="" type="checkbox"/> Ice                                           |                                        | 6                     | C            |
|                                           |                                                                                                                                                                                                                                                                                                                                                    |                                                                                   |                                        |                       |              |
| Name: Curtis Musson<br>Blake Spencer      |                                                                                                                                                                                                                                                                                                                                                    | Signature: <i>Blake Spencer</i>                                                   |                                        | Date: 11/1/2021       |              |

\*2.0 ml of Preservative used unless noted otherwise.

\*\*MCAA: Monochloroacetic acid buffer solution

# CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there are qualified data on this page.

Meter ID: Exo#1

RQ- 2021-10-11

Project: SMP

- Notes: (1) Always wait for meter to stabilize before recording any readings.  
 (2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).  
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

## Temperature (Quarterly) FT 1400

Date of Last Temperature Verification \_\_\_\_\_

| DO DEP SOP FT 1500 | Name          | Date    | Time CT-ET | Temp °C | Baro-meter mmHg | D.O. Chart mg/L | Meter D.O. mg/L | % DO  | Probe Charge | Probe Gain | Pass / Fail | Lab / Field |
|--------------------|---------------|---------|------------|---------|-----------------|-----------------|-----------------|-------|--------------|------------|-------------|-------------|
| Calibr.            | Blake Spencer | 11/1/21 | 0713       | 20.3    | 760.2           | 9.0             | 9.03            | 100.2 | -            | 1.1443     | P/F         | L/F         |
| ICV                | Blake Spencer | 11/1/21 | 0723       | 20.5    | 760.4           | 9.0             | 9.03            | 100.2 | -            | -          | P/F         | L/F         |
| CCV                | Blake Spencer | 11/1/21 | 1431       | 20.1    | 760.0           | 9.1             | 9.39            | 104.2 | -            | -          | P/F         | L/F         |
| CCV                |               |         |            |         |                 |                 |                 |       |              |            | P/F         | L/F         |

DO Acceptance criteria from Table  $\pm 0.3$  mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Optical: DO gain range 0.85 to 1.15 (Pro DSS 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

| Spec. Cond. FT 1200 | Name          | Date    | Time CT-ET | Lot #   | Expir. Date | Standard $\mu$ mhos/cm | Meter Reading $\mu$ mhos/cm | Pass / Fail | Lab / Field |
|---------------------|---------------|---------|------------|---------|-------------|------------------------|-----------------------------|-------------|-------------|
| Calibr.             | Blake Spencer | 11/1/21 | 0726       | 210817J | 08/2022     | 1000                   | 1000                        | P/F         | L/F         |
| ICV                 | Blake Spencer | 11/1/21 | 0728       | 4103K46 | 03/2023     | 100                    | 99.4                        | P/F         | L/F         |
| CCV                 | Blake Spencer | 11/1/21 | 1436       | 210817J | 08/2022     | 1000                   | 994                         | P/F         | L/F         |
| CCV                 |               |         |            |         |             |                        |                             | P/F         | L/F         |

Conductivity Acceptance criteria  $\pm 5\%$

| pH DEP SOP FT 1100 | Name          | Date    | Time CT-ET | Lot #   | Expir. Date | pH Buffer SU | Temp °C | Meter reading SU | mV     | Pass / Fail | Lab / Field |
|--------------------|---------------|---------|------------|---------|-------------|--------------|---------|------------------|--------|-------------|-------------|
| Calibr.            | Blake Spencer | 11/1/21 | 0731       | 210817D | 02/2023     | 7.02         | 20.7    | 7.02             | -14.4  | P/F         | L/F         |
| Calibr.            | Blake Spencer | 11/1/21 | 0734       | 210817B | 02/2023     | 4.00         | 21.0    | 4.00             | 165.2  | P/F         | L/F         |
| Calibr.            | Blake Spencer | 11/1/21 | 0737       | 210817F | 02/2023     | 10.05        | 20.7    | 10.05            | -179.2 | P/F         | L/F         |
| ICV                | Blake Spencer | 11/1/21 | 0745       | 210817D | 02/2023     | 4.00         | 20.0    | 4.05             | 159.6  | P/F         | L/F         |
| CCV                | Blake Spencer | 11/1/21 | 1439       | 210817D | 02/2023     | 7.02         | 20.6    | 7.17             | -14.9  | P/F         | L/F         |
| CCV                |               |         |            |         |             |              |         |                  |        | P/F         | L/F         |

pH Acceptance criteria  $\pm 0.2$  SU; mV pH 7 Range  $0 \pm 50$ ; mV pH 4 Range  $+180 \pm 50$ ; mV pH 10 Range  $-180 \pm 50$ ;

If mV are recorded: slope from 7 to 10 \_\_\_\_\_, slope from 4 to 7 \_\_\_\_\_ (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: \_\_\_\_\_

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: \_\_\_\_\_; Date of last verification: \_\_\_\_\_

| Depth Sensor (Daily Calibration & ICV) | Name          | Date    | Time CT-ET | Calibrated Value (0.00 or Offset), meters | ICV Value, meters | Pass / Fail | Lab / Field |
|----------------------------------------|---------------|---------|------------|-------------------------------------------|-------------------|-------------|-------------|
| Pressure mode in air                   | Blake Spencer | 11/1/21 | 0747       | 0.00                                      | 0.00              | P/F         | L/F         |

Report two decimal places. Round numbers  $\leq 4$  down,  $\geq 5$  up. ICV acceptance criteria  $\pm 5\%$  or  $\pm 0.05$ m, whichever is greater.

COMMENTS:

Cooler Packing Worksheet for Request: RQ-2021-10-04-13

Little River Tribs.

Ship Cooler On: 9/30/2021

Customer/Project: WAS-SECT/SMP

Assigned To: KLUG\_K

Requester: Curtis Musson

Priority: 3

850-245-8453

2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson

Please return  
packing list with  
sample submittal  
forms.

Comments:

Group A: Nutrients, CHLA, Metals, Tracers, Pesticides, E.Coli x2

Group B: Nutrients, CHLA, Metals, Tracers, E.Coli x3

Group C: Nutrients, Metals, Tracers, Pesticides x1  
carbamates preservation needed.

Packing Notes:

No FedEx Labels

No Trash Bags

Include carbamates preservation at 1 tube/container x 2.

1 case H2SO4

1 case HNO3

Sampling Note:

Group A: Willacoochee, Hurrican Crk

Group B: Lewis, Double, Richlander

Group C: Field Blank

Requested Analyses:

**Bottle Group: A**

**# of Sites: 2**

Container ID: P-1L

Qty: 2 Preservation: ICE

Lot # 00081379

Description: Plastic Bottle 1L

**Analysis**

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

W-SO4-IC

W-TDS

W-TSS

**Description**

Alkalinity in aqueous matrices as mg CaCO3/L

Turbidity in aqueous matrices

Chloride in aqueous matrices

True Color measured at 450 nm (not valid for NPDES monitoring)

Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Sulfate in aqueous matrices

Total Dissolved Solids in aqueous matrices

Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: BP-1L

Qty: 2 Preservation: ICE

Lot # 1326677

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: P-250ML-WO-THI

Qty: 2 Preservation: ICE

Lot # 7502-TN

Description: 250 ml Sterilized no tablet

Analysis

ECOLI-18QT

Description

Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Container ID: BG-500ML

Qty: 2 Preservation: CH<sub>2</sub>ClCOOH and Ice

Lot # 00080419

Description: Brown Glass Bottle 500ML \*FILL Completely\*

Affix BLUE dot to container.

Analysis

W-CARB-AA

Description

Carbamates in water matrices by HPLC/MS/MS

Container ID: BG-500ML FILL TO TOP Qty: 6

Preservation: ICE

Lot # 00080419

Description: Brown Glass Bottle 500ML \*Fill Completely\*

Affix BLUE dot to container.

Analysis

W-CT-CI-R

W-PCL-TQ-R

Description

Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization

Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS

Container ID: BG-500ML

Qty: 2 Preservation: ICE

Lot # 00080419

Description: Brown Glass Bottle 500ML \*FILL Completely\*

Affix BLUE dot to container.

Analysis

W-E8321-DI

W-E8321-MS

Description

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Container ID: P-500ML

Qty: 2 Preservation: HNO<sub>3</sub>

Lot # 00081236

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

Analysis

W-HARD

W-ICP

W-ICPMS

Description

Hardness by calculation, in aqueous matrices, reported as mg/L CaCO<sub>3</sub>

Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Container ID: P-500ML

Qty: 2 Preservation: ICE And H2SO4

Lot # 00081236

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

**Analysis**

W-NH3  
W-NO2NO3  
W-S-A-TP  
W-TKN  
W-TOC

**Description**

Ammonia in aqueous matrices as mg N/L  
Nitrite/Nitrate in aqueous matrices as mg N/L  
Total Phosphorus in aqueous matrices as mg P/L  
Total Kjeldahl Nitrogen in aqueous matrices  
Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 2 Preservation: FILTER-ICE

Lot # 00081424

Description: Plastic Bottle 125 mL

**Analysis**

W-PO4-F

**Description**

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Container ID: BG-1L

Qty: 6 Preservation: ICE

Lot # 00080147

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

**Analysis**

W-PSNP-TQ

**Description**

Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS

**Bottle Group: B**

**# of Sites: 3**

Container ID: P-1L

Qty: 3 Preservation: ICE

Lot # 00081379

Description: Plastic Bottle 1L

**Analysis**

ALKALINITY  
TURBIDITY  
W-CL-IC  
W-COLOR  
W-F  
W-SO4-IC  
W-TDS  
W-TSS

**Description**

Alkalinity in aqueous matrices as mg CaCO3/L  
Turbidity in aqueous matrices  
Chloride in aqueous matrices  
True Color measured at 450 nm (not valid for NPDES monitoring)  
Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)  
Sulfate in aqueous matrices  
Total Dissolved Solids in aqueous matrices  
Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: BP-1L

Qty: 3 Preservation: ICE

Lot # 1326677

Description: Brown Plastic Bottle 1L

**Analysis**

CHLSUITE-W

**Description**

Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: P-250ML-WO-THI

Qty: 3 Preservation: ICE

Lot # 7502-TN

Description: 250 ml Sterilized no tablet

Analysis

ECOLI-18QT

Description

Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Container ID: BG-500ML

Qty: 3 Preservation: ICE

Lot # 00080419

Description: Brown Glass Bottle 500ML \*FILL Completely\* Affix BLUE dot to container.

Analysis

W-E8321-DI

W-E8321-MS

Description

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Container ID: P-500ML

Qty: 3 Preservation: HNO3

Lot # 00081236

Description: Plastic Bottle 500 mL Affix RED nitric acid dot to container.

Analysis

W-HARD

W-ICP

W-ICPMS

Description

Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3

Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Container ID: P-500ML

Qty: 3 Preservation: ICE And H2SO4

Lot # 00081236

Description: Plastic Bottle 500 mL Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

Description

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 3 Preservation: FILTER-ICE

Lot # 00081424

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group: C

# of Sites: 1

Container ID: P-1L

Qty: 1 Preservation: ICE

Lot # 00081379

Description: Plastic Bottle 1L

**Analysis**

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

W-SO4-IC

W-TDS

W-TSS

**Description**

Alkalinity in aqueous matrices as mg CaCO<sub>3</sub>/L

Turbidity in aqueous matrices

Chloride in aqueous matrices

True Color measured at 450 nm (not valid for NPDES monitoring)

Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Sulfate in aqueous matrices

Total Dissolved Solids in aqueous matrices

Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: BG-500ML

Qty: 1 Preservation: CH<sub>2</sub>ClCOOH and Ice

Lot # 00080737

Description: Brown Glass Bottle 500ML \*FILL Completely\*

Affix BLUE dot to container.

**Analysis**

W-CARB-AA

**Description**

Carbamates in water matrices by HPLC/MS/MS

Container ID: BG-500ML FILL TO TOP Qty: 2 Preservation: ICE

Lot # 00080737

Description: Brown Glass Bottle 500ML \*Fill Completely\*

Affix BLUE dot to container.

**Analysis**

W-CT-CI-R

W-PCL-TQ-R

**Description**

Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization

Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS

Container ID: BG-500ML Qty: 1 Preservation: ICE

Lot # 00080737

Description: Brown Glass Bottle 500ML \*FILL Completely\*

Affix BLUE dot to container.

**Analysis**

W-E8321-DI

W-E8321-MS

**Description**

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Container ID: P-500ML

Qty: 1 Preservation: HNO<sub>3</sub>

Lot # 00081236

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

**Analysis**

W-HARD

W-ICP

W-ICPMS

**Description**

Hardness by calculation, in aqueous matrices, reported as mg/L CaCO<sub>3</sub>

Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Container ID: P-500ML

Qty: 1 Preservation: ICE And H2SO4

Lot # 00081236

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

**Analysis**

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

**Description**

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 1 Preservation: FILTER-ICE

Lot # 00081424

Description: Plastic Bottle 125 mL

**Analysis**

W-PO4-F

**Description**

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Container ID: BG-1L

Qty: 2 Preservation: ICE

Lot # 00080147

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

**Analysis**

W-PSNP-TQ

**Description**

Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS

Cooler Packed By: HL

Number of Coolers: 4

Date: 9.24.21

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle
- ☐ FedEx Bills, if applicable
- ☐ Plastic Bags/Zip Ties
- ☒ Acid Labels (sets of 24)

If Preservation Included:

|                            |                    |                        |
|----------------------------|--------------------|------------------------|
| ID <u>MCAA Buffer Soln</u> | Exp <u>2.9.22</u>  | Lot # <u>118437</u>    |
| ID <u>Sulfuric Acid</u>    | Exp <u>4.30.22</u> | Lot # <u>SA1105060</u> |
| ID <u>Nitric Acid</u>      | Exp <u>6.7.22</u>  | Lot # <u>NA1105100</u> |
| ID _____                   | Exp _____          | Lot # _____            |
| ID _____                   | Exp _____          | Lot # _____            |

**PLEASE RETURN ALL COOLERS FOR RQ-2021-10-04-13**