



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
STRATEGIC MONITORING PROGRAM FIELD SHEET

March 2017

PAGE 1 OF 14

Data Qualified?  
Yes / No

STORET Station Name: Stafford Creek 100 meters upstream of SR 69 Date: 3/29/2017

STORET Station ID: G2WA0004 WBID: 723 Latitude: 30.4991 (mm/dd/yyyy)

County: CALHOUN RQ - 2017-03-27-12 ORG ID: 21FLWQA Longitude: -85.0427 (Decimal Degrees)

Receiving Body of Water: APALACHICOLA RIVER Field ID: G2WA0004 03292017 (Decimal Degrees)

| Sampling Team Members |  | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check | Duplicate Collection | Blank Collection |
|-----------------------|--|-----------------|-------------------|---------------|--------------|--------------------|----------------------|------------------|
| Curtis Musson         |  |                 | /                 |               |              |                    |                      |                  |
| Robert Wiwi           |  | /               |                   | /             | /            | /                  |                      | /                |
|                       |  |                 |                   |               |              |                    |                      |                  |
|                       |  |                 |                   |               |              |                    |                      |                  |

| Sampling Equipment                                   |                                             |                               |
|------------------------------------------------------|---------------------------------------------|-------------------------------|
| <input checked="" type="checkbox"/> Sample Container | <input type="checkbox"/> Van Dorn           | <input type="checkbox"/> Pole |
| <input type="checkbox"/> Carboy                      | <input checked="" type="checkbox"/> Syringe |                               |
| <input type="checkbox"/> Dipper                      | <input type="checkbox"/> Other              |                               |
| Equipment ID                                         |                                             |                               |

| Collection Method                           |                                         |
|---------------------------------------------|-----------------------------------------|
| <input checked="" type="checkbox"/> Wading  | <input type="checkbox"/> Via Boat       |
| <input type="checkbox"/> From Shore         | <input type="checkbox"/> Canoe/Kayak    |
| <input type="checkbox"/> Other (note below) | <input type="checkbox"/> Electric Motor |
|                                             | <input type="checkbox"/> Gasoline Motor |

Water Level: Dry / Pooled / Low / Normal / High / Flooded

Meter ID# Biology 2 Photos: Yes / No

Matrix: Fresh Marine / DI

Tide Falling: Yes / No / NA

Field Sample

| Time Zone  | Time        | Sample Depth (m) | Total Depth (m) | DO (mg/L)   | DO (%SAT)   | pH          | Salinity (ppt) | Secchi Disk (m) | Sp COND (µmhos/cm) | Temp. (C°)   |
|------------|-------------|------------------|-----------------|-------------|-------------|-------------|----------------|-----------------|--------------------|--------------|
| <u>EST</u> | <u>9:20</u> | <u>0.1</u>       | <u>0.2</u>      | <u>7.30</u> | <u>79.7</u> | <u>6.77</u> | <u>0.04</u>    | <u>V0B</u>      | <u>78</u>          | <u>19.63</u> |
| CEN        |             |                  |                 |             |             |             |                |                 |                    |              |

Biological Samples Collected: None HA SCI RPS Algae ID LVS LVI Other

SBIO ID Numbers: SBIO-ID: RPS-ID: Macrophyte-ID: LIMS#:

| Parameter Suite             | Parameter Methods                                                                                                                                                                                                                                                                              | Preservation                                                                      | Acid Lot#         | Expiration      | pH Check                               |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------|-----------------|----------------------------------------|
| Preserved Nutrients         | <input checked="" type="checkbox"/> W-NH3 / <input type="checkbox"/> W-NO2NO3 / <input type="checkbox"/> W-TKN / <input type="checkbox"/> W-TOC / <input type="checkbox"/> W-S-A-TP                                                                                                            | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4 | <u>SA-6302030</u> | <u>10/28/17</u> | <input checked="" type="checkbox"/> <2 |
| Metals                      | <input checked="" type="checkbox"/> W-ICPMS <input checked="" type="checkbox"/> W-ICP                                                                                                                                                                                                          | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> HNO3  | <u>NA-6253070</u> | <u>9/9/17</u>   | <input checked="" type="checkbox"/> <2 |
| Filtered Nutrients          | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                                                                                                  | <input checked="" type="checkbox"/> Ice                                           |                   |                 |                                        |
| Chlorophyll                 | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                                                                                                                 | <input checked="" type="checkbox"/> Ice                                           |                   |                 |                                        |
| Physical/Aggregate (Fresh)  | <input checked="" type="checkbox"/> Alkalinity / <input type="checkbox"/> W-F / <input type="checkbox"/> W-TSS / <input type="checkbox"/> TURBIDITY / <input type="checkbox"/> W-CH-IC / <input type="checkbox"/> W-COLOR / <input type="checkbox"/> W-SO4-IC / <input type="checkbox"/> W-TDS | <input checked="" type="checkbox"/> Ice                                           |                   |                 |                                        |
| Physical/Aggregate (Marine) | <input type="checkbox"/> Alkalinity / <input type="checkbox"/> W-F / <input type="checkbox"/> W-TSS / <input type="checkbox"/> TURBIDITY                                                                                                                                                       | <input type="checkbox"/> Ice                                                      |                   |                 |                                        |
| Macroinvertebrates          | <input type="checkbox"/> MI-FW-QLDC                                                                                                                                                                                                                                                            | <input type="checkbox"/> Formalin                                                 |                   |                 |                                        |
| Periphyton                  | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                                                                                                              | <input type="checkbox"/> Ice                                                      |                   |                 |                                        |
| Microbiology                | <input checked="" type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococcus <input type="checkbox"/> PCR-FILTER                                                                                                                                           | <input checked="" type="checkbox"/> Ice                                           |                   |                 |                                        |
| Tracers                     | <input checked="" type="checkbox"/> W-SUC-AA-R <input checked="" type="checkbox"/> W-UHERB-AA <input checked="" type="checkbox"/> W-AHERB-AA                                                                                                                                                   | <input type="checkbox"/> Ice                                                      |                   |                 |                                        |
| Pesticides                  | <input checked="" type="checkbox"/> W-PSNP-TQ <input checked="" type="checkbox"/> W-AHERB-AA <input checked="" type="checkbox"/> W-PYR-AA-R <input checked="" type="checkbox"/> W-SUC-AA-R                                                                                                     | <input checked="" type="checkbox"/> Ice                                           |                   |                 |                                        |
|                             | <input checked="" type="checkbox"/> W-PCL-SQ-R <input checked="" type="checkbox"/> W-UHERB-AA <input checked="" type="checkbox"/> W-GLYPH                                                                                                                                                      | <input type="checkbox"/> Other                                                    |                   |                 |                                        |

Notes: 1-Kit C, FW Bact, Pest

LIMS Cmp: A, B, C

# QA/QC Sample Information

## Duplicate

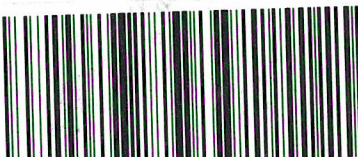
| Time Zone: <b>EST</b> <b>CEN</b> |                                                                                                                                                                                                                                                            | Sample Depth (m): _____                                                              |                                                      | Field ID: _____ |                              |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------|-----------------|------------------------------|
| Time: _____                      |                                                                                                                                                                                                                                                            | Total Depth (m): _____                                                               |                                                      |                 |                              |
| Parameter Suite                  | Parameter Methods                                                                                                                                                                                                                                          | Preservation                                                                         | Acid Lot#                                            | Expiration      | pH Check                     |
| Preserved Nutrients              | <input type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                                                                                                                                                                       | <input type="checkbox"/> Ice <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> |                                                      |                 | <input type="checkbox"/> < 2 |
| Metals                           | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP                                                                                                                                                                                            | <input type="checkbox"/> Ice <input type="checkbox"/> HNO <sub>3</sub>               |                                                      |                 | <input type="checkbox"/> < 2 |
| Filtered Nutrients               | <input type="checkbox"/> W-PO4-F <input type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                                                                                    | <input type="checkbox"/> Ice                                                         | Place Preservative Sticker(s) Here<br>(If Available) |                 |                              |
| Chlorophyll                      | <input type="checkbox"/> CHLSUITE-W                                                                                                                                                                                                                        | <input type="checkbox"/> Ice                                                         |                                                      |                 |                              |
| Physical/Aggregate (Fresh)       | <input type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS                                                                                                                                                       | <input type="checkbox"/> Ice                                                         |                                                      |                 |                              |
| Physical/Aggregate (Marine)      | <input type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY                                                                                                                                                                                              | <input type="checkbox"/> Ice                                                         |                                                      |                 |                              |
| Microbiology                     | <input type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Entero <input type="checkbox"/> PCR-FILTER                                                                                                                        | <input type="checkbox"/> Ice                                                         |                                                      |                 |                              |
| Tracers                          | <input type="checkbox"/> W-SUC-AA-R <input type="checkbox"/> W-UHERB-AA <input type="checkbox"/> W-AHERB-AA                                                                                                                                                | <input type="checkbox"/> Ice                                                         |                                                      |                 |                              |
| Pesticides                       | <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-AHERB-AA <input type="checkbox"/> W-PYR-AA-R <input type="checkbox"/> W-SUC-AA-R<br><input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> W-UHERB-AA <input type="checkbox"/> W-GLYPH | <input type="checkbox"/> Ice<br><input type="checkbox"/> Other                       |                                                      |                 |                              |
|                                  |                                                                                                                                                                                                                                                            |                                                                                      |                                                      |                 |                              |

## Blank

| Time Zone: <b>EST</b> <b>CEN</b>                                                                                                                |                                                                                                                                                                                                                                                                                                                                         | Time: <b>11:45</b>                                                                                         |                                                      | Field ID: <b>G1WA0026_03292017B</b> |                                         | Location: <b>Central Drainage Ditch</b> |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|------------------------------------------------------|-------------------------------------|-----------------------------------------|-----------------------------------------|--|
| <input checked="" type="checkbox"/> Field Blank <input type="checkbox"/> Equipment Blank <input type="checkbox"/> Field Cleaned Equipment Blank |                                                                                                                                                                                                                                                                                                                                         | Equipment ID: _____                                                                                        |                                                      |                                     |                                         |                                         |  |
| Parameter Suite                                                                                                                                 | Parameter Methods                                                                                                                                                                                                                                                                                                                       | Preservation                                                                                               | Acid Lot#                                            | Expiration                          | pH Check                                |                                         |  |
| Preserved Nutrients                                                                                                                             | <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"/> H <sub>2</sub> SO <sub>4</sub> | <b>6302030</b>                                       | <b>10/28/17</b>                     | <input checked="" type="checkbox"/> < 2 |                                         |  |
| Metals                                                                                                                                          | <input checked="" type="checkbox"/> W-ICPMS <input checked="" type="checkbox"/> W-ICP                                                                                                                                                                                                                                                   | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> HNO <sub>3</sub>               | <b>6253070</b>                                       | <b>9/9/17</b>                       | <input checked="" type="checkbox"/> < 2 |                                         |  |
| Filtered Nutrients                                                                                                                              | <input type="checkbox"/> W-PO4-F <input type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                                                                                                                                                                 | <input type="checkbox"/> Ice                                                                               | Place Preservative Sticker(s) Here<br>(If Available) |                                     |                                         |                                         |  |
| Chlorophyll                                                                                                                                     | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                                                                                                                                                          | <input checked="" type="checkbox"/> Ice                                                                    |                                                      |                                     |                                         |                                         |  |
| Physical/Aggregate (Fresh)                                                                                                                      | <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                                                                    |                                                      |                                     |                                         |                                         |  |
| Physical/Aggregate (Marine)                                                                                                                     | <input type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY                                                                                                                                                                                                                                                                           | <input type="checkbox"/> Ice                                                                               |                                                      |                                     |                                         |                                         |  |
| Microbiology                                                                                                                                    | <input type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Entero <input type="checkbox"/> PCR-FILTER                                                                                                                                                                                                     | <input type="checkbox"/> Ice                                                                               |                                                      |                                     |                                         |                                         |  |
| Tracers                                                                                                                                         | <input type="checkbox"/> W-SUC-AA-R <input type="checkbox"/> W-UHERB-AA <input type="checkbox"/> W-AHERB-AA                                                                                                                                                                                                                             | <input type="checkbox"/> Ice                                                                               |                                                      |                                     |                                         |                                         |  |
| Pesticides                                                                                                                                      | <input checked="" type="checkbox"/> W-PSNP-TQ <input checked="" type="checkbox"/> W-AHERB-AA <input checked="" type="checkbox"/> W-PYR-AA-R <input checked="" type="checkbox"/> W-SUC-AA-R<br><input checked="" type="checkbox"/> W-PCL-SQ-R <input checked="" type="checkbox"/> W-UHERB-AA <input checked="" type="checkbox"/> W-GLYPH | <input checked="" type="checkbox"/> Ice<br><input type="checkbox"/> Other                                  |                                                      |                                     |                                         |                                         |  |
| 1-Kit C, FW Bact, Pest, Tracers, Markers                                                                                                        |                                                                                                                                                                                                                                                                                                                                         |                                                                                                            |                                                      |                                     |                                         |                                         |  |

## Notes:

Field ID: **→**  
Stafford Creek  
100 meters  
upstream of  
SR 69  
MAR 29, 2017



**G2WA0004\_03292017**

Stafford Creek 100  
meters upstream  
of SR 69



**G2WA0004**

STORET ↓

Signature: *[Signature]*

Date: **3/29/17**

Field Parameters Entered into LIMS: **DT 3/31/2017**

(Initials/Date)

Field Parameters QC in LIMS: \_\_\_\_\_

(Initials/Date)

Date Migrated to STORET: \_\_\_\_\_

(Initials/Date)

Field Sheets Scanned/Saved: **DT 3/31/2017**

(Initials/Date)

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

Print "X" this box if there is qualified data on this page.

Meter Biology 2

RQ- 2017-03-27-12

Project SMP

- Notes:** (1) Numbers  $\leq 4$ , are rounded down; numbers  $\geq 5$  are rounded up (e.g., 5.15 becomes 5.2).  
 (2) Always wait for meter to stabilize before recording any readings.  
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site \_\_\_\_\_

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 03/06/2017

| DO DEP SOP FT 1500 | Name          | Date    | Time CT-ET | Temp  | D.O. Chart mg/L | Meter D.O. mg/L | % DO  | Probe Charge | Probe Gain | Pass / Fail | Lab / Field |
|--------------------|---------------|---------|------------|-------|-----------------|-----------------|-------|--------------|------------|-------------|-------------|
| Calibr.            | Curtis Mussen | 3/29/17 | 7:15       | 22.1  | 8.727           | 8.72            | 100.0 | 46           | -          | P           | LAB         |
| ICV                | Curtis Mussen | 3/29/17 | 7:16       | 22.13 | 8.727           | 8.73            | 100.1 | 46           | -          | P           | LAB         |
| CCV                | Robert Wini   | 3/29/17 | 13:30      | 26.6  | 8.0             | 8.1             | 100   | -462         | -          | P           | LAB         |
| CCV                |               |         |            |       |                 |                 |       |              |            |             |             |

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.

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; 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 $\mu$ hos/cm | Meter Reading $\mu$ hos/cm | Pass / Fail | Lab / Field |
|---------------------|---------------|---------|------------|---------|-------------|-----------------------|----------------------------|-------------|-------------|
| Calibr.             | Curtis Mussen | 3/29/17 | 7:18       | 161111D | 11-17       | 1000                  | 1000                       | P           | LAB         |
| ICV                 | Curtis Mussen | 3/29/17 | 7:19       | 161111D | 11-17       | 1000                  | 1001                       | P           | LAB         |
| CCV                 | Robert Wini   | 3/29/17 | 13:32      | 2510F2S | 10/17       | 100                   | 100                        | P           | LAB         |
| CCV                 |               |         |            |         |             |                       |                            |             |             |

Report specific conductance as a whole number with no decimal figure.

Conductivity Acceptance criteria  $\pm 5\%$

| pH DEP SOP FT 1100 | Name          | Date    | Time CT-ET | Lot #   | Expir. Date | pH Buffer SU | Meter reading SU | mV    | Pass / Fail | Lab / Field |
|--------------------|---------------|---------|------------|---------|-------------|--------------|------------------|-------|-------------|-------------|
| Calibr.            | Curtis Mussen | 3/29/17 | 7:20       | 161111B | 5/18        | 7.0          | 7.00             | -19   | P           | LAB         |
| Calibr.            | Curtis Mussen | 3/29/17 | 7:21       | 161111A | 11-17       | 4.01         | 4.01             | 160   | P           | LAB         |
| Calibr.            | Curtis Mussen | 3/29/17 | 7:23       | 161111C | 5-18        | 10.01        | 9.95             | -181  | P           | LAB         |
| ICV                | Curtis Mussen | 3/29/17 | 7:24       | 161111C | 5/18        | 10.01        | 9.90             | -179  | P           | LAB         |
| CCV                | Robert Wini   | 3/29/17 | 13:33      | 161111A | 11/17       | 4.01         | 3.68             | 176.4 | F           | LAB         |
| CCV                |               |         |            |         |             |              |                  |       |             |             |

Report pH with one decimal place; pH Acceptance criteria  $\pm 0.2$  SU;

mV pH7 Range  $0 \pm 50$ ;

mV pH 4 Range  $+180 \pm 50$ ;

mV pH 10 Range  $-180 \pm 50$ ;

Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Depth (Quarterly)

Date of Last Depth Verification \_\_\_\_\_

| Depth Sensor (Daily) | Name | Date | Time CT-ET | Zero the Sensor | ICV Value | Pass / Fail | Lab / Field |
|----------------------|------|------|------------|-----------------|-----------|-------------|-------------|
| Pressure mode in air |      |      |            | 0.000           |           |             |             |

ICV acceptance criteria  $\pm 5\%$  or  $\pm 0.05$ m, whichever is greater

Request Number: RQ-2017-03-27-12

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
Central Lab Sample Submittal Form

SMP  
Customer: WQ-ASSESS  
Project ID: SMP

Requester: Curtis Musson

Field ID: →  
entral Drainage  
itch downstream  
Orange Av. 3.

Collected By: Robert Wini, Curtis Musson

Field Report Prepared By: Robert Wini  
Sampling Agency: FDEP

Field ID: →  
entral Drainage  
itch downstream  
Orange Av. 3.  
MAR 29, 2017  
G1WA0026 03292017

ST  
Central Drainage  
Ditch downstream  
of Orange Ave.  
STORET ↓  
G1WA0026

Field ID: →  
QC-DUP  
MAR 29, 2017  
G1WA0026 03292017D

ST  
QC - Duplicate  
Central Drainage  
Ditch downstream  
of Orange Ave.  
STORET ↓  
G1WA0026

Field ID: →  
QC - Blank  
DI Water  
MAR 29, 2017  
G1WA0026 03292017B

QC - BLANK

|                                                                           |                                                            |                                                                           |                                         |                                  |                 |
|---------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------|----------------------------------|-----------------|
| <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 3/29/17 Time 12:00 | <input checked="" type="radio"/> Eastern<br><input type="radio"/> Central | Collection (comp begin or grab)<br>Date | Time                             | Bottle Group(s) |
| Matrix (Salt, Fresh)<br>Fresh                                             | Diss. Oxygen (mg/L)<br>6.91                                |                                                                           |                                         |                                  |                 |
| Temp (C)<br>21.73                                                         | pH<br>7.48                                                 | Sample Depth (m)<br>0.06                                                  |                                         | Sp. Conductance (umho/cm)<br>285 | A,B,C,<br>D     |
| Salinity (ppt)<br>0.14                                                    | Comments                                                   |                                                                           |                                         |                                  |                 |
| Latitude (Decimal Degrees)<br>30.4095                                     |                                                            | Longitude (Decimal Degrees)<br>-84.3073                                   |                                         |                                  |                 |

|                                                                           |                                                            |                                                                           |                                         |                                  |                 |
|---------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------|----------------------------------|-----------------|
| <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 3/29/17 Time 12:00 | <input checked="" type="radio"/> Eastern<br><input type="radio"/> Central | Collection (comp begin or grab)<br>Date | Time                             | Bottle Group(s) |
| Matrix (Salt, Fresh)<br>Fresh                                             | Diss. Oxygen (mg/L)<br>6.91                                |                                                                           |                                         |                                  |                 |
| Temp (C)<br>21.73                                                         | pH<br>7.48                                                 | Sample Depth (m)<br>0.06                                                  |                                         | Sp. Conductance (umho/cm)<br>285 | F               |
| Salinity (ppt)<br>0.14                                                    | Comments                                                   |                                                                           |                                         |                                  |                 |
| Latitude (Decimal Degrees)<br>30.4095                                     |                                                            | Longitude (Decimal Degrees)<br>-84.3073                                   |                                         |                                  |                 |

|                                                                           |                                                            |                                                                           |                                         |                                |                 |
|---------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------|--------------------------------|-----------------|
| <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 3/29/17 Time 11:45 | <input checked="" type="radio"/> Eastern<br><input type="radio"/> Central | Collection (comp begin or grab)<br>Date | Time                           | Bottle Group(s) |
| Matrix (Salt, Fresh)<br>DI. Water                                         | Diss. Oxygen (mg/L)<br>—                                   |                                                                           |                                         |                                |                 |
| Temp (C)<br>—                                                             | pH<br>—                                                    | Sample Depth (m)<br>—                                                     |                                         | Sp. Conductance (umho/cm)<br>— | E               |
| Salinity (ppt)<br>—                                                       | Comments<br>Field Blank - DI. Water                        |                                                                           |                                         |                                |                 |
| Latitude (Decimal Degrees)<br>—                                           |                                                            | Longitude (Decimal Degrees)<br>—                                          |                                         |                                |                 |

|                              |                            |                        |                          |                            |
|------------------------------|----------------------------|------------------------|--------------------------|----------------------------|
| Relinquished By: [Signature] | Date/Time<br>3/29/17 13:11 | Number of Coolers<br>5 | Received By: [Signature] | Date/Time<br>3-29-17 13:11 |
|------------------------------|----------------------------|------------------------|--------------------------|----------------------------|



|          |                                                                                                 |                |                 |                             |                                     |   |
|----------|-------------------------------------------------------------------------------------------------|----------------|-----------------|-----------------------------|-------------------------------------|---|
| Group: B | Bottle Type: W-PYR-AA-R                                                                         | BG-1L          | # of Bottles: 3 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 3 |
| Group: C | Bottle Type: ECOIL-18QT                                                                         | P-250ML-WO-THI | # of Bottles: 3 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 3 |
| Group: D | Bottle Type: PCR-FILTER                                                                         | QPCR-P-250ML   | # of Bottles: 2 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 2 |
| Group: E | Bottle Type: ALKALINITY<br>TURBIDITY<br>W-CL-IC<br>W-COLOR<br>W-F<br>W-SO4-IC<br>W-TDS<br>W-TSS | P-1L           | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 1 |
| Group: E | Bottle Type: CHLSUITE-W                                                                         | BP-1L          | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 1 |
| Group: E | Bottle Type: ECOIL-18QT                                                                         | P-250ML-WO-THI | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 0 |
| Group: E | Bottle Type: W-AHERB-AA<br>W-GLYPH<br>W-SUC-AA-R<br>W-UHERB-AA                                  | BG-1L          | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 1 |
| Group: E | Bottle Type: W-CT-Cl-R<br>W-PCL-SQ-R                                                            | BG-500ML       | # of Bottles: 2 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 2 |
| Group: E | Bottle Type: W-ICP<br>W-ICPMS                                                                   | P-500ML        | # of Bottles: 1 | Preservative: HNO3          | Enter Number of Bottles Sent to Lab | 1 |
| Group: E | Bottle Type: W-NH3                                                                              | P-500ML        | # of Bottles: 1 | Preservative: ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 1 |

|          |              |         |                 |               |               |                                     |   |
|----------|--------------|---------|-----------------|---------------|---------------|-------------------------------------|---|
| Group: F | Bottle Type: | P-500ML | # of Bottles: 1 | Preservative: | HNO3          | Enter Number of Bottles Sent to Lab | 1 |
|          | W-ICP        |         |                 |               |               |                                     |   |
|          | W-ICPMS      |         |                 |               |               |                                     |   |
| Group: F | Bottle Type: | P-500ML | # of Bottles: 1 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 1 |
|          | W-NH3        |         |                 |               |               |                                     |   |
|          | W-NO2NO3     |         |                 |               |               |                                     |   |
|          | W-S-A-TP     |         |                 |               |               |                                     |   |
|          | W-TKN        |         |                 |               |               |                                     |   |
|          | W-TOC        |         |                 |               |               |                                     |   |
| Group: F | Bottle Type: | P-125ML | # of Bottles: 1 | Preservative: | ICE-FLTR      | Enter Number of Bottles Sent to Lab | 1 |
|          | W-PO4-F      |         |                 |               |               |                                     |   |
| Group: F | Bottle Type: | BG-1L   | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 2 |
|          | W-PSNP-TQ    |         |                 |               |               |                                     |   |
| Group: F | Bottle Type: | BG-1L   | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |
|          | W-PYR-AA-R   |         |                 |               |               |                                     |   |

Cooler Packing Worksheet for Request: RQ-2017-03-27-12

Central, Stafford, Tallavanna Pesticides

Ship Cooler On: 3/24/2017

Customer/Project: WQ-ASSESS/SMP

Assigned To: KITCHEN\_S

Requester: Curtis Musson

Priority: 3

850-245-8453  
Division Of Water Facilities, FL DEP  
2600 Blair Stone Rd.  
Tallahassee, FL 32399-2400  
  
Attn: Curtis Musson

Comments:

No preservatives needed.

Group A: Freshwater Kit With Metals

Group B: Pesticides

Group C: E. coli

Group D: PCR (Markers)

Group E: BLANK (Nutrients, Metals, E. coli, Pesticides)

Group F: Duplicate (Nutrients, Metals, E. coli, Pesticides)

Packing Notes:

No FedEx labels need, samples will be dropped off at TLH central lab.

8 - liters of DI water for blank

Requested Analyses:

**Bottle Group: A**

**# of Sites: 3**

Container ID: P-1L

Qty: 3      Preservation: ICE

Description: Plastic Bottle 1L

Lot #

000615K  
00066326-17  
00067304

**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

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

Container ID: BP-1L

Qty: 3 Preservation: ICE

Lot # 1191091

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-500ML

Qty: 3 Preservation: HNO3

Lot # 00066885

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

Analysis

W-ICP

W-ICPMS

Description

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 # 00066885

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: ICE-FLTR

Lot # 00065449

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Bottle Group: B

# of Sites: 3

Container ID: BG-1L

Qty: 3 Preservation: ICE

Lot # 00066798

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-AHERB-AA

W-GLYPH

Description

Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS

Glyphosate in water matrices by HPLC/MS/MS

W-SUC-AA-R  
W-UHERB-AA

Analysis of sucralose in water matrices by HPLC/MS/MS  
Urea herbicides and other chemicals in water matrices by HPLC/MS/MS

Container ID: BG-500ML

Qty: 8 Preservation: ICE

Lot # 00066845

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-CT-CI-R  
W-PCL-SQ-R

Description

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

Container ID: BG-1L

Qty: 8 Preservation: ICE

Lot # 00066798

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-PSNP-TQ

Description

Organonitrogen and phosphorus pesticides (ultra trace level) in water matrices by GC/MS/MS

Container ID: BG-1L

Qty: 3 Preservation: ICE

Lot # 00066798

Description: Brown Glass Bottle 1L

Analysis

W-PYR-AA-R

Description

Pyraclostrobin in water matrices by HPLC/MS/MS

Bottle Group: C

# of Sites: 3

Container ID: P-250ML-WO-THI

Qty: 3 Preservation: ICE

Lot # L16292

Description:

Analysis

ECOLI-18QT

Description

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

Bottle Group: D

# of Sites: 1

Container ID: QPCR-P-250ML

Qty: 2 Preservation: ICE

Lot # L16292

Description:

Analysis

PCR-FILTER

Description

Preparation of Samples by Filtration and held for qPCR Analysis

**Bottle Group: E****# of Sites: 1**

Container ID: P-1L

Qty: 1      Preservation: ICE

Lot # 00067304

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

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

Container ID: BP-1L

Qty: 1      Preservation: ICE

Lot # 1191091

Description: Brown Plastic Bottle 1L

**Analysis**

CHLSUITE-W

**Description**

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

Container ID: P-250ML-WO-THI

Qty: 1      Preservation: ICE

Lot # 416292

Description:

**Analysis**

ECOLI-18QT

**Description**

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

Container ID: BG-1L

Qty: 1      Preservation: ICE

Lot # 00066798

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

**Analysis**

W-AHERB-AA

W-GLYPH

W-SUC-AA-R

W-UHERB-AA

**Description**

Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS

Glyphosate in water matrices by HPLC/MS/MS

Analysis of sucralose in water matrices by HPLC/MS/MS

Urea herbicides and other chemicals in water matrices by HPLC/MS/MS

Container ID: BG-500ML

Qty: 2 Preservation: ICE

Lot # 00066845

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-CT-CI-R

W-PCL-SQ-R

Description

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

Organochlorine pesticides in water matrices by GC/MS-SIM

Container ID: P-500ML

Qty: 1 Preservation: HNO3

Lot # 00066885

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

Analysis

W-ICP

W-ICPMS

Description

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 # 00066885

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: ICE-FLTR

Lot # 00068449

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 # 00066798

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-PSNP-TQ

Description

Organonitrogen and phosphorus pesticides (ultra trace level) in water matrices by GC/MS/MS

Container ID: BG-1L

Qty: 1 Preservation: ICE

Lot # 00066798

Description: Brown Glass Bottle 1L

Analysis

W-PYR-AA-R

Description

Pyraclostrobin in water matrices by HPLC/MS/MS

Bottle Group: F

# of Sites: 1

Container ID: P-1L

Qty: 1 Preservation: ICE

Lot # 00066<sup>sk</sup>326.17

Description: Plastic Bottle 1L

00067304

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

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

Container ID: BP-1L

Qty: 1 Preservation: ICE

Lot # 1191091

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-250ML-WO-THI

Qty: 1 Preservation: ICE

Lot # 116292

Description:

Analysis

ECOLI-18QT

Description

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

Container ID: BG-1L

Qty: 1 Preservation: ICE

Lot # 00066798

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-AHERB-AA

Description

Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS

W-GLYPH  
W-SUC-AA-R  
W-UHERB-AA

Glyphosate in water matrices by HPLC/MS/MS  
Analysis of sucralose in water matrices by HPLC/MS/MS  
Urea herbicides and other chemicals in water matrices by HPLC/MS/MS

Container ID: BG-500ML

Qty: 2 Preservation: ICE

Lot # 00066845

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-CT-CI-R  
W-PCL-SQ-R

Description

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

Container ID: P-500ML

Qty: 1 Preservation: HNO3

Lot # 00066885

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

Analysis

W-ICP  
W-ICPMS

Description

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 # 00066885

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: ICE-FLTR

Lot # 00065449

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 # 00066798

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

Description

Container ID: BG-1L

Qty: 1 Preservation: ICE

Lot # 00066798

Description: Brown Glass Bottle 1L

Analysis

W-PYR-AA-R

Description

Pyraclostrobin in water matrices by HPLC/MS/MS

Cooler Packed By: SKDate: 3-26-17DEP Cooler ID #(s): 7 Coolers

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle (1 per cooler)
- ☐ FedEx Bills, if applicable (1 per cooler)
- ☒ Plastic Bags
- ☒ Zip Ties

If Preservation Included:

|          |             |
|----------|-------------|
| ID _____ | Lot # _____ |
| ID _____ | Lot # _____ |
| ID _____ | Lot # _____ |
| ID _____ | Lot # _____ |
| ID _____ | Lot # _____ |

**PLEASE RETURN ALL COOLERS FOR RQ-2017-03-27-12**