



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

March 2017

PAGE 1 OF 8

Data Qualified?  
Yes / No

PH

Location/STORET Station Name: Quincy Creek 100 meters upstream of Ralph Strong Rd.

Date: 9/6/17

(mm/dd/yyyy)

STORET # G1WA0018

WBID: 1303A

Latitude: 30.5837

(Decimal Degrees)

County: Leon

RQ - 2017-09-04-24

ORG ID: 21FLWQA

Longitude: -84.5503

(Decimal Degrees)

Receiving Body of Water: Little River

Field ID: G1WA0018\_09062017

| Sampling Team Members                                     |      |                  |                 | WQ Measurements | Sample Collection | Documentation | Preservation   | Preservation Check | Sampling Equipment                                   |                                             |                               |  |
|-----------------------------------------------------------|------|------------------|-----------------|-----------------|-------------------|---------------|----------------|--------------------|------------------------------------------------------|---------------------------------------------|-------------------------------|--|
| Ben Ralys                                                 |      |                  |                 |                 | X                 | X             |                |                    | <input checked="" type="checkbox"/> Sample Container | <input type="checkbox"/> Van Dorn           | <input type="checkbox"/> Pole |  |
| Phil Homann                                               |      |                  |                 | X               |                   |               | X              | X                  | <input type="checkbox"/> Carboy                      | <input checked="" type="checkbox"/> Syringe |                               |  |
|                                                           |      |                  |                 |                 |                   |               |                |                    | <input type="checkbox"/> Dipper                      | <input type="checkbox"/> Other              |                               |  |
|                                                           |      |                  |                 |                 |                   |               |                |                    | Equipment ID                                         |                                             |                               |  |
|                                                           |      |                  |                 |                 |                   |               |                |                    | Collection Method                                    |                                             |                               |  |
|                                                           |      |                  |                 |                 |                   |               |                |                    | <input type="checkbox"/> Wading                      | 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 |      |                  |                 |                 |                   |               |                |                    |                                                      |                                             |                               |  |
| Matrix: Fresh / Marine / DI                               |      |                  |                 |                 |                   |               |                |                    |                                                      |                                             |                               |  |
| Meter ID# Biology #2 Photos: Yes / No                     |      |                  |                 |                 |                   |               |                |                    |                                                      |                                             |                               |  |
| Tide Falling: Yes / No / NA                               |      |                  |                 |                 |                   |               |                |                    |                                                      |                                             |                               |  |
| 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°)                                  |                               |  |
| EST                                                       | 1250 | 0.2              | 0.4             | 7.77            | 92.8              | 7.04          | 0.03           | N.O.B.             | 68                                                   | 24.29                                       |                               |  |
| 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 checked="" type="checkbox"/> W-NO2NO3 / <input checked="" type="checkbox"/> W-TKN / <input checked="" type="checkbox"/> W-TOC / <input checked="" type="checkbox"/> W-S-A-TP                                                                                                                                             | <input checked="" type="checkbox"/> Ice <input type="checkbox"/> H2SO4 |           |            | <input checked="" type="checkbox"/> |
| Metals                      | <input checked="" type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP                                                                                                                                                                                                                                                                                                  | <input checked="" type="checkbox"/> Ice <input type="checkbox"/> HNO3  |           |            | <input checked="" type="checkbox"/> |
| Filtered Nutrients          | <input checked="" type="checkbox"/> W-PO4-F <input 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 checked="" type="checkbox"/> W-F / <input checked="" type="checkbox"/> W-TSS / <input checked="" type="checkbox"/> TURBIDITY / <input checked="" type="checkbox"/> W-CH-IC / <input checked="" type="checkbox"/> W-COLOR / <input checked="" type="checkbox"/> W-SO4-IC / <input checked="" 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 type="checkbox"/> E-Coli <input type="checkbox"/> F-Coli <input type="checkbox"/> Enterococci <input checked="" type="checkbox"/> qPCR                                                                                                                                                                                                                               | <input checked="" type="checkbox"/> Ice                                |           |            |                                     |
| Tracers                     | <input checked="" type="checkbox"/> W-SUC-AA-R <input checked="" type="checkbox"/> W-UHERB-AA <input type="checkbox"/> W-AHERB-AA                                                                                                                                                                                                                                           | <input checked="" 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-PCL-SQ-R <input type="checkbox"/> W-UHERB-AA <input type="checkbox"/> W-GLYPH <input type="checkbox"/> W-SUC-AA-R                                                                                                                     | <input type="checkbox"/> Ice <input type="checkbox"/> Other            |           |            |                                     |

Contains 1:1 Nitric Acid NA-7065060 EXP: 03/27/18 Warning! See SDS

Contains 1:1 Sulfuric Acid Lot No.: SA7163030 Expires: 06/12/18 See Safety Data Sheet (SDS)

Contains 1:1 Sulfuric Acid Lot No.: SA7163030 Expires: 06/12/18 See Safety Data Sheet (SDS)

## Notes:

R-F  
12-HF  
153  
KitC  
Back  
Tracers  
Markers

Field ID: Quincy Creek 100 meters upstream of Ralph Strong Rd. Sept 6, 2017



Quincy Creek 100 meters upstream of Ralph Strong Rd. STORET ↓ G1WA0018



Signature: B. R.

Date: 9/7/17

Field Parameters Entered into LIMS: CM 9/7/17

Field Parameters QC in LIMS: CM 9/7/17

Date Migrated to STORET: (Initials/Date)

Field Sheets Scanned/Saved: CM 9/7/17



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

Boldly "X" this box if there is qualified data on this name.

PH

Meter Biology #2

RQ- 2017-09-04-24

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.            | Ben Ralys | 9/6/17 | 7:25       | 21.44 | 8.84            | 8.84            | 100.0 | 52.3         | —          | P           | Lab         |
| ICV                | Ben Ralys | 9/6/17 | 7:26       | 21.47 | 8.84            | 8.83            | 99.9  | 52.3         | —          | P           | Lab         |
| CCV                | Ben Ralys | 9/6/17 | 3:24       | 22.94 | 8.59            | 8.72            | 101.6 | 52.3         | —          | 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 $\mu$ mhos/cm | Meter Reading $\mu$ mhos/cm | Pass / Fail | Lab / Field |
|---------------------|-----------|--------|------------|---------|-------------|------------------------|-----------------------------|-------------|-------------|
| Calibr.             | Ben Ralys | 9/6/17 | 7:28       | 170310D | 3/2018      | 1,000                  | 1,000                       | P           | Lab         |
| ICV                 | Ben Ralys | 9/6/17 | 7:29       | 170310D | 3/2018      | 1,000                  | 1,001                       | P           | Lab         |
| CCV                 | Ben Ralys | 9/6/17 | 3:26       | 170310D | 3/2018      | 1,000                  | 1,001                       | P           | Lab         |
| CCV                 | Ben Ralys | 9/7/17 | 7:20       | 170614D | 6/2018      | 100                    | 105                         | P           | Lab         |

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.            | Ben Ralys | 9/6/17 | 7:31       | 170310B | 9/2018      | 7.0          | 6.95             | 33.3   | P           | Lab         |
| Calibr.            | Ben Ralys | 9/6/17 | 7:33       | 170614A | 6/2018      | 4.0          | 3.98             | 204.7  | P           | Lab         |
| Calibr.            | Ben Ralys | 9/6/17 | 7:35       | 170310C | 9/2018      | 10.0         | 9.90             | -120.3 | P           | Lab         |
| ICV                | Ben Ralys | 9/6/17 |            |         |             |              |                  |        |             | Lab         |
| CCV                | Ben Ralys | 9/6/17 | 3:28       | 170614A | 6/2018      | 4.0          | 4.11             | 194.4  | P           | 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

# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

## Central Lab Sample Submittal Form

Request Number: 2017-09-04-24  
 Black Creek, Quincy Creek, Little River  
 Customer: WAS-SECT  
 Project ID: SMP

Requester: Curtis Musson  
 Collected By: Ben Raby, Phil Homan

Field Report Prepared By: Ben Raby  
 Sampling Agency: FDEP  
 Page 2 of 3

Location

Quincy Creek STORET ↓  
 upstream of  
 SR 267  
 G1WA0050

Field ID →  
 Quincy Creek  
 upstream of  
 SR 267

Sept 6, 2017  
 G1WA0050\_09062017

Location

Quincy Creek STORET ↓  
 upstream of  
 SR 65  
 G1WA0049

Field ID →  
 Quincy Creek  
 upstream of  
 SR 65

Sept 6, 2017  
 G1WA0049\_09062017

Location

Juniper Creek STORET ↓  
 upstream of  
 Juniper Creek Rd.  
 G1WA0059

Field ID →  
 Juniper Creek  
 upstream of  
 Juniper Creek Rd

Sept 6, 2017  
 G1WA0059\_09062017

|                                          |                                 |                 |                                 |                 |
|------------------------------------------|---------------------------------|-----------------|---------------------------------|-----------------|
| <input type="checkbox"/> Comp            | Collection (comp begin or grab) | Eastern Central | Collection (comp begin or grab) | Bottle Group(s) |
| <input checked="" type="checkbox"/> Grab | Date 9/6/17 Time 1050           |                 | Date — Time —                   | A, B, C, D, F   |

|                                                                       |                     |          |                  |                           |
|-----------------------------------------------------------------------|---------------------|----------|------------------|---------------------------|
| Matrix (Salt, Fresh)                                                  | Diss. Oxygen (mg/L) | pH       | Sample Depts (m) | Sp. Conductance (umho/cm) |
| Fresh                                                                 | 7.59                | 6.97     | 0.15             | 59                        |
| Temp (C)                                                              | 24.06               |          |                  |                           |
| Salinity (ppt)                                                        | 0.03                | Comments |                  |                           |
| Latitude (Decimal Degrees) 30.600 Longitude (Decimal Degrees) -84.581 |                     |          |                  |                           |

|                                          |                                 |                 |                                 |                 |
|------------------------------------------|---------------------------------|-----------------|---------------------------------|-----------------|
| <input type="checkbox"/> Comp            | Collection (comp begin or grab) | Eastern Central | Collection (comp begin or grab) | Bottle Group(s) |
| <input checked="" type="checkbox"/> Grab | Date 9/6/17 Time 1115           |                 | Date — Time —                   | A, B, C, D, F   |

|                                                                       |                     |          |                  |                           |
|-----------------------------------------------------------------------|---------------------|----------|------------------|---------------------------|
| Matrix (Salt, Fresh)                                                  | Diss. Oxygen (mg/L) | pH       | Sample Depts (m) | Sp. Conductance (umho/cm) |
| Fresh                                                                 | 7.73                | 7.04     | 0.15             | 62                        |
| Temp (C)                                                              | 24.00               |          |                  |                           |
| Salinity (ppt)                                                        | 0.03                | Comments |                  |                           |
| Latitude (Decimal Degrees) 30.599 Longitude (Decimal Degrees) -84.576 |                     |          |                  |                           |

|                                          |                                 |                 |                                 |                 |
|------------------------------------------|---------------------------------|-----------------|---------------------------------|-----------------|
| <input type="checkbox"/> Comp            | Collection (comp begin or grab) | Eastern Central | Collection (comp begin or grab) | Bottle Group(s) |
| <input checked="" type="checkbox"/> Grab | Date 9/6/17 Time 1010           |                 | Date — Time —                   | C, D, E         |

|                                                                       |                     |          |                  |                           |
|-----------------------------------------------------------------------|---------------------|----------|------------------|---------------------------|
| Matrix (Salt, Fresh)                                                  | Diss. Oxygen (mg/L) | pH       | Sample Depts (m) | Sp. Conductance (umho/cm) |
| Fresh                                                                 | 4.67                | 6.05     | 0.3              | 87                        |
| Temp (C)                                                              | 23.88               |          |                  |                           |
| Salinity (ppt)                                                        | 0.04                | Comments |                  |                           |
| Latitude (Decimal Degrees) 30.531 Longitude (Decimal Degrees) -84.736 |                     |          |                  |                           |

|                           |                  |                     |                          |                       |
|---------------------------|------------------|---------------------|--------------------------|-----------------------|
| Relinquished By: Ben Raby | Date/Time 9/6/17 | Number of Coolers 3 | Received By: [Signature] | Date/Time 9/6/12 1434 |
|---------------------------|------------------|---------------------|--------------------------|-----------------------|



Request Number: 2017-09-04-24

Black Creek, Quincy Creek, Little River

Customer: WAS-SECT

Project ID: SMP

## FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

## Central Lab Sample Submittal Form

Requester: Curtis Musson

Collected By: Ben Ralys, Phil Hanson

Field Report Prepared By: Ben Ralys

Sampling Agency: FDEP

Page 3 of 3

## Location

Quincy Creek  
100 meters  
upstream of  
Ralph Strong Rd. **GTWA0018**

Field ID: →  
Quincy Creek  
100 meters  
upstream of  
Ralph Strong Rd.  
Sept 6, 2017 **GTWA0018\_09062017**

|                                          |                                 |                             |                                 |                 |
|------------------------------------------|---------------------------------|-----------------------------|---------------------------------|-----------------|
| <input type="checkbox"/> Comp            | Collection (comp begin or grab) | Eastern Central             | Collection (comp begin or grab) | Bottle Group(s) |
| <input checked="" type="checkbox"/> Grab | Date 9/6/17 Time 1250           | Central                     | Date — Time —                   | A, B, C, D, F   |
| Matrix (Salt, Fresh)                     | Dis. Oxygen (mg/L)              | Sample Depts (m)            | Sp. Conductance (umho/cm)       |                 |
| Fresh                                    | 7.77                            | —                           | —                               |                 |
| Temp (C)                                 | 24.29                           | 7.04                        | 0.2                             | 68              |
| Salinity (ppt)                           | 0.03                            | Comments                    |                                 |                 |
| Latitude (Decimal Degrees)               | 30.58337                        | Longitude (Decimal Degrees) | -84.5503                        |                 |

Tanyard Branch 100  
meters upstream of  
Ralph Strong Rd. **GTWA0005**

Field ID: →  
Tanyard Branch  
100 meters  
upstream of Ralph  
Strong Rd.  
Sept 6, 2017 **GTWA0005\_09062017**

|                                          |                                 |                             |                                 |                 |
|------------------------------------------|---------------------------------|-----------------------------|---------------------------------|-----------------|
| <input type="checkbox"/> Comp            | Collection (comp begin or grab) | Eastern Central             | Collection (comp begin or grab) | Bottle Group(s) |
| <input checked="" type="checkbox"/> Grab | Date 9/6/17 Time 1240           | Central                     | Date — Time —                   | A               |
| Matrix (Salt, Fresh)                     | Dis. Oxygen (mg/L)              | Sample Depts (m)            | Sp. Conductance (umho/cm)       |                 |
| Fresh                                    | 6.20                            | —                           | —                               |                 |
| Temp (C)                                 | 25.56                           | 7.33                        | 0.1                             | 280             |
| Salinity (ppt)                           | 0.13                            | Comments                    |                                 |                 |
| Latitude (Decimal Degrees)               | 30.58332                        | Longitude (Decimal Degrees) | -84.5519                        |                 |

Little River 100  
meters upstream  
of SR 12 **GTWA0020**

Field ID: →  
Little River  
100 meters  
upstream  
of SR 12  
Sept 6, 2017 **GTWA0020\_09062017**

|                                          |                                 |                             |                                 |                 |
|------------------------------------------|---------------------------------|-----------------------------|---------------------------------|-----------------|
| <input type="checkbox"/> Comp            | Collection (comp begin or grab) | Eastern Central             | Collection (comp begin or grab) | Bottle Group(s) |
| <input checked="" type="checkbox"/> Grab | Date 9/6/17 Time 1320           | Central                     | Date — Time —                   | A, C, D, E      |
| Matrix (Salt, Fresh)                     | Dis. Oxygen (mg/L)              | Sample Depts (m)            | Sp. Conductance (umho/cm)       |                 |
| Fresh                                    | 7.31                            | —                           | —                               |                 |
| Temp (C)                                 | 25.12                           | 7.06                        | 0.3                             | 89              |
| Salinity (ppt)                           | 0.04                            | Comments                    |                                 |                 |
| Latitude (Decimal Degrees)               |                                 | Longitude (Decimal Degrees) |                                 |                 |

Relinquished By: Ben Ralys

Date/Time

9/6/17

Number of Coolers

3

Received By:

Date/Time

9/6/17 1434

# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

## Central Lab Sample Submittal Form

Request Number: 2017-09-04-24  
Black Creek, Quincy Creek, Little River  
Customer: WAS-SECT  
Project ID: SMP

Requester: Curtis Musson  
Collected By: Ben Ralys, Phil Hermann

Field Report Prepared By: Ben Ralys  
Sampling Agency: FDEP  
Page 1 of 3

**Black Creek**  
**upstream of**  
**Bloxham Cutoff**  
STORET ↓  
G1WA0023

Field ID: →  
Black Creek  
upstream of  
Bloxham Cutoff  
Sept 6, 2017  
G1WA0023\_09062017

**Soapstone Branch**  
**100 meters upstream**  
**of SR 375**  
STORET ↓  
G1WA0012

Field ID: →  
Soapstone Branch  
100 meters  
upstream of  
SR 375  
Sept 6, 2017  
G1WA0012\_09062017

**Black Creek**  
**upstream of**  
**SR 375**  
STORET ↓  
G1WA0047

Field ID: →  
Black Creek  
upstream of  
SR 375  
Sept 6, 2017  
G1WA0047\_09062017

|                                                                           |                                                          |                                                                                 |                                                  |                    |
|---------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------|--------------------|
| <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 9/6/17 Time 8:20 | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Collection (comp begin or grab)<br>Date — Time — | Bottle<br>Group(s) |
| Matrix (Salt, Fresh)<br>Fresh                                             | Diss. Oxygen<br>(mg/L) 6.29                              |                                                                                 |                                                  | A                  |
| Temp<br>(C) 24.53                                                         | pH                                                       |                                                                                 |                                                  |                    |
| Salinity<br>(ppt) 0.03                                                    | Comments                                                 |                                                                                 |                                                  |                    |
| Latitude (Decimal Degrees)<br>30.27792                                    |                                                          |                                                                                 | Longitude (Decimal Degrees)<br>-84.3858          |                    |

|                                                                           |                                                          |                                                                                 |                                                  |                    |
|---------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------|--------------------|
| <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 9/6/17 Time 0857 | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Collection (comp begin or grab)<br>Date — Time — | Bottle<br>Group(s) |
| Matrix (Salt, Fresh)<br>Fresh                                             | Diss. Oxygen<br>(mg/L) 6.29                              |                                                                                 |                                                  | A, C               |
| Temp<br>(C) 24.07                                                         | pH                                                       |                                                                                 |                                                  |                    |
| Salinity<br>(ppt) 0.02                                                    | Comments                                                 |                                                                                 |                                                  |                    |
| Latitude (Decimal Degrees)<br>30.38625                                    |                                                          |                                                                                 | Longitude (Decimal Degrees)<br>-84.6355          |                    |

|                                                                           |                                                         |                                                                                 |                                                  |                    |
|---------------------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------|--------------------|
| <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 9/6/17 Time 920 | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Collection (comp begin or grab)<br>Date — Time — | Bottle<br>Group(s) |
| Matrix (Salt, Fresh)<br>Fresh                                             | Diss. Oxygen<br>(mg/L) 6.83                             |                                                                                 |                                                  | C, D, E            |
| Temp<br>(C) 24.13                                                         | pH                                                      |                                                                                 |                                                  |                    |
| Salinity<br>(ppt) 0.02                                                    | Comments                                                |                                                                                 |                                                  |                    |
| Latitude (Decimal Degrees)<br>30.325                                      |                                                         |                                                                                 | Longitude (Decimal Degrees)<br>-84.693           |                    |

|                            |                   |                      |                          |                        |
|----------------------------|-------------------|----------------------|--------------------------|------------------------|
| Relinquished By: Ben Ralys | Date/Time: 9/6/17 | Number of Coolers: 3 | Received By: [Signature] | Date/Time: 9/6/17 1434 |
|----------------------------|-------------------|----------------------|--------------------------|------------------------|

|          |                                                                                                    |                |                 |                             |     |                                     |        |
|----------|----------------------------------------------------------------------------------------------------|----------------|-----------------|-----------------------------|-----|-------------------------------------|--------|
| Group: A | Bottle Type:<br>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: 7 | Preservative:               | ICE | Enter Number of Bottles Sent to Lab | 7 of 7 |
| Group: A | Bottle Type:<br>CHLSUITE-W                                                                         | BP-1L          | # of Bottles: 7 | Preservative:               | ICE | Enter Number of Bottles Sent to Lab | 7 of 7 |
| Group: A | Bottle Type:<br>W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC                                    | P-500ML        | # of Bottles: 7 | Preservative: ICE And H2SO4 |     | Enter Number of Bottles Sent to Lab | 7 of 7 |
| Group: A | Bottle Type:<br>W-PO4-F                                                                            | P-125ML        | # of Bottles: 7 | Preservative: ICE-FLTR      |     | Enter Number of Bottles Sent to Lab | 7 of 7 |
| Group: B | Bottle Type:<br>W-ICP<br>W-ICPMS                                                                   | P-500ML        | # of Bottles: 3 | Preservative: HNO3          |     | Enter Number of Bottles Sent to Lab | 3 of 3 |
| Group: C | Bottle Type:<br>ECOL-18QT                                                                          | P-250ML-WO-THI | # of Bottles: 7 | Preservative: ICE           |     | Enter Number of Bottles Sent to Lab | 7 of 7 |
| Group: D | Bottle Type:<br>W-AHERB-AA<br>W-SUC-AA-R<br>W-UHB-AA-R                                             | BG-1L          | # of Bottles: 6 | Preservative: ICE           |     | Enter Number of Bottles Sent to Lab | 6 of 6 |
| Group: E | Bottle Type:<br>PCR-FILTER                                                                         | QPCR-P-250ML   | # of Bottles: 6 | Preservative: ICE           |     | Enter Number of Bottles Sent to Lab | 6 of 6 |
| Group: F | Bottle Type:<br>PCR-FILTER<br>PCR-HF183                                                            | QPCR-P-250ML   | # of Bottles: 6 | Preservative: ICE           |     | Enter Number of Bottles Sent to Lab | 6 of 6 |

Cooler Packing Worksheet for Request: RQ-2017-09-04-24

Wakulla, Quincy

Ship Cooler On: 8/25/2017

Customer/Project: WAS-SECT/SMP

Assigned To: REYNOLDS\_T

Requester: Curtis Musson

Priority: 3

850-245-8453  
2600 Blair Stone Rd  
  
Tallahassee, FL 32399  
  
Attn: Curtis Musson

Comments:

No preservatives needed.

Group A: Nutrients, Physicals

Group B: Metals

Group C: Ecoli

Group D: Tracers (A-Herb Shortlist)

Group E: PCR-FILTER

Group F: PCR-HF186 + PCR-FILTER

Packing Note:

No FedEx labels

Requested Analyses:

**Bottle Group: A**

**# of Sites: 7**

Container ID: P-1L

Qty: 7      Preservation: ICE

Lot # 00068657

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: 7      Preservation: ICE

Lot # 1204544

Description: Brown Plastic Bottle 1L

**Analysis**

CHLSUITE-W

**Description**

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

Container ID: BG-1L

Qty: 6 Preservation: ICE

Lot # 00068050

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

**Analysis**

W-AHERB-AA

W-SUC-AA-R

W-UHB-AA-R

**Description**

Chlorinated (phenoxy acid) herbicides 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

**Bottle Group: E**

**# of Sites: 3**

Container ID: QPCR-P-250ML

Qty: 6 Preservation: ICE

Lot # 00067801

Description:

**Analysis**

PCR-FILTER

**Description**

Preparation of Samples by Filtration and held for qPCR Analysis

**Bottle Group: F**

**# of Sites: 3**

Container ID: QPCR-P-250ML

Qty: 6 Preservation: ICE

Lot # 00067801

Description:

**Analysis**

PCR-FILTER

PCR-HF183

**Description**

Preparation of Samples by Filtration and held for qPCR Analysis

Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction

Cooler Packed By: Tyler R. Number of Coolers: 4 Date: 08/23/17

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle
- ☒ FedEx Bills, if applicable
- ☒ Plastic Bags
- ☒ Zip Ties

If Preservation Included:

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

**PLEASE RETURN ALL COOLERS FOR RQ-2017-09-04-24**