



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
STRATEGIC MONITORING PROGRAM FIELD SHEET

March 2017

PAGE 1 OF 10

Data Qualified?

Yes / No

Location/STORET Station Name: Wards Creek upstream of bridge at CR 259

Date: 04/18/2017

STORET # G1WA0002

WBID: 459

Latitude: 30.605000

County: Jefferson

RQ - 2017-04-03-28

ORG ID: 21FLWQA

Longitude: -83.893257

(Decimal Degrees)

Receiving Body of Water: Lake Miccosukee

Field ID: G1WA0002\_04182017

(Decimal Degrees)

| Sampling Team Members |  |  |  | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check | Sampling Equipment                                   |                                         |                               |  |
|-----------------------|--|--|--|-----------------|-------------------|---------------|--------------|--------------------|------------------------------------------------------|-----------------------------------------|-------------------------------|--|
| Curtis Musson         |  |  |  | X               | X                 |               |              |                    | <input checked="" type="checkbox"/> Sample Container | <input type="checkbox"/> Van Dorn       | <input type="checkbox"/> Pole |  |
| Stuart, Raymond       |  |  |  |                 |                   | X             |              |                    | <input type="checkbox"/> Carboy                      | <input 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                                                       | 11:25 | 0.15             | 0.3             | 9.6                         | 9.6       | 5.50 | 0.03           | NOB                         | 60                 | 20.40      |  |
| 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 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 type="checkbox"/> Ice <input type="checkbox"/> H2SO4 | SA 6302030                                           | 10/28/17   | <input type="checkbox"/> <2 |
| Metals                      | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP                                                                                                                                                                                                                     | <input type="checkbox"/> Ice <input type="checkbox"/> HNO3  | NA 6253070                                           | 09/09/17   | <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 / <input type="checkbox"/> W-F / <input type="checkbox"/> W-TSS / <input type="checkbox"/> TURBIDITY / <input type="checkbox"/> W-CI-IC / <input type="checkbox"/> W-COLOR / <input type="checkbox"/> W-SO4-IC / <input type="checkbox"/> W-TDS | <input 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"/> Enterococci <input checked="" type="checkbox"/> qPCR                                                                                                                            | <input checked="" 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-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 |                                                      |            |                             |

Notes:

PCR  
Tracers  
Bact.  
Kit A

Wards Creek  
upstream of  
bridge at CR 259



G1WA0002

Field ID

Wards Creek  
upstream of  
bridge at CR 259

April 18, 2017



G1WA0002\_04182017

Signature:

Date:

Field Parameters Entered into LIMS:

(Initials/Date)

Field Parameters QC in LIMS:

(Initials/Date)

Date Migrated to STORET:

(Initials/Date)

Field Sheets Scanned/Saved:

(Initials/Date)

# 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~~

Meter B to #2

RQ- 2017-04-03-28

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<br>DEP SOP<br>FT 1500 | Name                     | Date               | Time<br>CT-ET    | Temp             | D.O.<br>Chart<br>mg/L | Meter<br>D.O.<br>mg/L | % DO  | Probe<br>Charge | Probe<br>Gain | Pass<br>/ Fail | Lab<br>/ Field |
|--------------------------|--------------------------|--------------------|------------------|------------------|-----------------------|-----------------------|-------|-----------------|---------------|----------------|----------------|
| Calibr.                  | Curtis Mussen            | 4-18-17            | 7:13             | 23.30            | 8.530                 | 8.53                  | 100.0 | 41              | —             | P              | L              |
| ICV                      | Curtis Mussen            | 4-18-17            | 7:14             | 23.30            | 8.530                 | 8.60                  | 100.9 | 41              | —             | P              | L              |
| CCV                      | <del>Curtis Mussen</del> | <del>4-18-17</del> | <del>15:01</del> | <del>25.39</del> | <del>8.203</del>      |                       |       |                 |               |                |                |
| CCV                      | Robert Lim               | 4/19/17            | 7:01             | 22.31            | 8.677                 | 11.81                 | 136.1 | 42              | —             | F              | L              |

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.<br>Cond.<br>FT 1200 | Name          | Date    | Time<br>CT-ET | Lot #   | Expir.<br>Date | Standard<br>$\mu$ hos/cm | Meter<br>Reading<br>$\mu$ hos/cm | Pass<br>/ Fail | Lab<br>/ Field |
|---------------------------|---------------|---------|---------------|---------|----------------|--------------------------|----------------------------------|----------------|----------------|
| Calibr.                   | Curtis Mussen | 4/18/17 | 7:16          | 16111D  | 11/2017        | 1000                     | 1000                             | P              | LAB            |
| ICV                       | Curtis Mussen | 4-18-17 | 7:17          | 16111D  | 11/2017        | 1000                     | 997                              | P              | LAB            |
| CCV                       | Curtis Mussen | 4-18-17 | 15:04         | 170310E | 03/2018        | 100                      | 103                              | P              | LAB            |
| CCV                       |               |         |               |         |                |                          |                                  |                |                |

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

Conductivity Acceptance criteria  $\pm 5\%$

| pH<br>DEP SOP<br>FT 1100 | Name          | Date    | Time<br>CT-ET | Lot #  | Expir.<br>Date | pH<br>Buffer<br>SU | Meter<br>reading<br>SU | mV   | Pass<br>/ Fail | Lab<br>/ Field |
|--------------------------|---------------|---------|---------------|--------|----------------|--------------------|------------------------|------|----------------|----------------|
| Calibr.                  | Curtis Mussen | 4/18/17 | 7:19          | 16111B | 2/2018         | 7.0                | 7.00                   | -13  | P              | LAB            |
| Calibr.                  | Curtis Mussen | 4-18-17 | 7:21          | 16111A | 11/2017        | 4.01               | 4.00                   | 158  | P              | LAB            |
| Calibr.                  | Curtis Mussen | 4-18-17 | 7:23          | 16111C | 5/2018         | 10.01              | 9.49                   | -181 | P              | LAB            |
| ICV                      | Curtis Mussen | 4-18-17 | 7:25          | 16111C | 5/2018         | 10.01              | 9.89                   | -175 | P              | LAB            |
| CCV                      | Curtis Mussen | 4-18-17 | 15:06         | 16111A | 11/2017        | 4.01               | 3.88                   | 166  | 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<br>(Daily) | Name | Date | Time<br>CT-ET | Zero the<br>Sensor | ICV Value | Pass /<br>Fail | Lab /<br>Field |
|-------------------------|------|------|---------------|--------------------|-----------|----------------|----------------|
| Pressure mode<br>in air |      |      |               | 0.000              |           |                |                |

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

Request Number: RQ-2017-04-03-28

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
Central Lab Sample Submittal Form

Event: Wakulla, Moriah, Wards, Caney

Customer: WQ-ASSESS

Project ID: SMP

Requester: Curtis Musson

Page 1 of 4  
Field Report Prepared By: Raymond Stuart  
Sampling Agency: FDEP

Location

Collected By: Curtis Musson Raymond Stuart

Field Report Prepared By: Raymond Stuart  
Sampling Agency: FDEP

Field ID: →

Moriah Creek 100  
meters upstr 3am  
Ft. Newport F.d.

April 18, 2017

G1WA0057\_04182017

Moriah Creek 100  
meters; upstream  
of Newport Rd.

STORET ↓

G1WA0057

Field ID: →

Wakulla River  
Below Highway  
98 Bridge

April 18, 2017

G1WA0028\_04182017

Wakulla River  
Below Highway  
98 Bridge

STORET ↓

G1WA0028

Field ID: →

Caney Creek  
Upstream of  
US 90

April 18, 2017

G1WA0014\_04182017

Caney Creek  
Upstream of  
US 90

STORET ↓

G1WA0014

|                                          |                                 |                            |                                 |                 |
|------------------------------------------|---------------------------------|----------------------------|---------------------------------|-----------------|
| <input type="checkbox"/> Comp            | Collection (comp begin or grab) | Eastern                    | Collection (comp begin or grab) | Bottle Group(s) |
| <input checked="" type="checkbox"/> Grab | Date 4/18/17 Time 8:25am        | Central                    | Date                            |                 |
| Matrix (Salt, Fresh)                     | Diss. Oxygen (mg/L)             |                            | Time                            |                 |
| Temp (C)                                 | 18.54                           | pH                         | 7.29                            |                 |
| Salinity (ppt)                           | 0.18                            | Sample Depts (m)           | 0.05                            |                 |
|                                          |                                 | Sp. Conductance (umho/cm)  | 380                             |                 |
|                                          |                                 | Comments                   |                                 |                 |
|                                          |                                 | Latitude (Decimal Degrees) | -84.1929                        |                 |

A

|                                          |                                 |                            |                                 |                 |
|------------------------------------------|---------------------------------|----------------------------|---------------------------------|-----------------|
| <input type="checkbox"/> Comp            | Collection (comp begin or grab) | Eastern                    | Collection (comp begin or grab) | Bottle Group(s) |
| <input checked="" type="checkbox"/> Grab | Date 4/18/17 Time 9:13am        | Central                    | Date                            |                 |
| Matrix (Salt, Fresh)                     | Diss. Oxygen (mg/L)             |                            | Time                            |                 |
| Temp (C)                                 | 21.14                           | pH                         | 7.84                            |                 |
| Salinity (ppt)                           | 0.20                            | Sample Depts (m)           | 0.3                             |                 |
|                                          |                                 | Sp. Conductance (umho/cm)  | 417                             |                 |
|                                          |                                 | Comments                   |                                 |                 |
|                                          |                                 | Latitude (Decimal Degrees) | -84.2429                        |                 |

A

|                                          |                                 |                            |                                 |                 |
|------------------------------------------|---------------------------------|----------------------------|---------------------------------|-----------------|
| <input type="checkbox"/> Comp            | Collection (comp begin or grab) | Eastern                    | Collection (comp begin or grab) | Bottle Group(s) |
| <input checked="" type="checkbox"/> Grab | Date 4/18/17 Time 10:55am       | Central                    | Date                            |                 |
| Matrix (Salt, Fresh)                     | Diss. Oxygen (mg/L)             |                            | Time                            |                 |
| Temp (C)                                 | 19.27                           | pH                         | 7.08                            |                 |
| Salinity (ppt)                           | 0.05                            | Sample Depts (m)           | 0.05                            |                 |
|                                          |                                 | Sp. Conductance (umho/cm)  | 106                             |                 |
|                                          |                                 | Comments                   |                                 |                 |
|                                          |                                 | Latitude (Decimal Degrees) | -83.9501                        |                 |

B C D E

|                                        |                           |                      |              |            |
|----------------------------------------|---------------------------|----------------------|--------------|------------|
| Relinquished By: <i>Raymond Stuart</i> | Date/Time: 4/18/17 1:18pm | Number of Coolers: 3 | Received By: | Date/Time: |
|----------------------------------------|---------------------------|----------------------|--------------|------------|

Request Number: RQ-2017-04-03-28

Event: Wakulla, Moriah, Wards, Caney

Customer: WQ-ASSESS

Project ID: SMP

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
Central Lab Sample Submittal Form

Requester: Curtis Musson

Collected By:

Field Report Prepared By:

Sampling Agency: FDEP

Field ID: →  
Wards Creek  
upstream of  
bridge at CR 259  
April 18, 2017  
G1WA0002\_04182017

STORER  
Wards Creek  
upstream of  
bridge at CR 259  
G1WA0002

Field ID: →  
Caney Creek  
Downstream  
of 158A  
April 18, 2017  
G1WA0000 04182017

STORER  
Caney Creek  
Downstream  
of 158A  
G1WA0000

|                                                                           |                                                              |                             |                                         |      |                    |
|---------------------------------------------------------------------------|--------------------------------------------------------------|-----------------------------|-----------------------------------------|------|--------------------|
| <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 4/18/17 Time 11:25am | Eastern<br>Central          | Collection (comp begin or grab)<br>Date | Time | Bottle<br>Group(s) |
| Matrix (Salt, Fresh)                                                      | Diss. Oxygen (mg/L)                                          |                             |                                         |      |                    |
| Temp (C)                                                                  | 20.40                                                        | pH                          |                                         |      |                    |
| Salinity (ppt)                                                            | 0.03                                                         | Comments                    |                                         |      |                    |
| Latitude (Decimal Degrees)                                                | 30.605000                                                    | Longitude (Decimal Degrees) |                                         |      |                    |

|                                                                           |                                                              |                             |                                         |      |                    |
|---------------------------------------------------------------------------|--------------------------------------------------------------|-----------------------------|-----------------------------------------|------|--------------------|
| <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 4/18/17 Time 12:05pm | Eastern<br>Central          | Collection (comp begin or grab)<br>Date | Time | Bottle<br>Group(s) |
| Matrix (Salt, Fresh)                                                      | Diss. Oxygen (mg/L)                                          |                             |                                         |      |                    |
| Temp (C)                                                                  | 20.33                                                        | pH                          |                                         |      |                    |
| Salinity (ppt)                                                            | 0.06                                                         | Comments                    |                                         |      |                    |
| Latitude (Decimal Degrees)                                                | 30.52                                                        | Longitude (Decimal Degrees) |                                         |      |                    |

|                                                                           |                                                              |                             |                                         |      |                    |
|---------------------------------------------------------------------------|--------------------------------------------------------------|-----------------------------|-----------------------------------------|------|--------------------|
| <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 4/18/17 Time 12:05pm | Eastern<br>Central          | Collection (comp begin or grab)<br>Date | Time | Bottle<br>Group(s) |
| Matrix (Salt, Fresh)                                                      | Diss. Oxygen (mg/L)                                          |                             |                                         |      |                    |
| Temp (C)                                                                  | 20.33                                                        | pH                          |                                         |      |                    |
| Salinity (ppt)                                                            | 0.06                                                         | Comments                    |                                         |      |                    |
| Latitude (Decimal Degrees)                                                | 30.52                                                        | Longitude (Decimal Degrees) |                                         |      |                    |

|                                                                           |                                                              |                             |                                         |      |                    |
|---------------------------------------------------------------------------|--------------------------------------------------------------|-----------------------------|-----------------------------------------|------|--------------------|
| <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 4/18/17 Time 12:05pm | Eastern<br>Central          | Collection (comp begin or grab)<br>Date | Time | Bottle<br>Group(s) |
| Matrix (Salt, Fresh)                                                      | Diss. Oxygen (mg/L)                                          |                             |                                         |      |                    |
| Temp (C)                                                                  | 20.33                                                        | pH                          |                                         |      |                    |
| Salinity (ppt)                                                            | 0.06                                                         | Comments                    |                                         |      |                    |
| Latitude (Decimal Degrees)                                                | 30.52                                                        | Longitude (Decimal Degrees) |                                         |      |                    |

|                                                                           |                                                              |                             |                                         |      |                    |
|---------------------------------------------------------------------------|--------------------------------------------------------------|-----------------------------|-----------------------------------------|------|--------------------|
| <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 4/18/17 Time 12:05pm | Eastern<br>Central          | Collection (comp begin or grab)<br>Date | Time | Bottle<br>Group(s) |
| Matrix (Salt, Fresh)                                                      | Diss. Oxygen (mg/L)                                          |                             |                                         |      |                    |
| Temp (C)                                                                  | 20.33                                                        | pH                          |                                         |      |                    |
| Salinity (ppt)                                                            | 0.06                                                         | Comments                    |                                         |      |                    |
| Latitude (Decimal Degrees)                                                | 30.52                                                        | Longitude (Decimal Degrees) |                                         |      |                    |

|                                                                           |                                                              |                             |                                         |      |                    |
|---------------------------------------------------------------------------|--------------------------------------------------------------|-----------------------------|-----------------------------------------|------|--------------------|
| <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 4/18/17 Time 12:05pm | Eastern<br>Central          | Collection (comp begin or grab)<br>Date | Time | Bottle<br>Group(s) |
| Matrix (Salt, Fresh)                                                      | Diss. Oxygen (mg/L)                                          |                             |                                         |      |                    |
| Temp (C)                                                                  | 20.33                                                        | pH                          |                                         |      |                    |
| Salinity (ppt)                                                            | 0.06                                                         | Comments                    |                                         |      |                    |
| Latitude (Decimal Degrees)                                                | 30.52                                                        | Longitude (Decimal Degrees) |                                         |      |                    |

|                  |           |                   |              |           |
|------------------|-----------|-------------------|--------------|-----------|
| Relinquished By: | Date/Time | Number of Coolers | Received By: | Date/Time |
|                  |           |                   |              |           |

|          |              |         |                 |               |               |                                     |   |
|----------|--------------|---------|-----------------|---------------|---------------|-------------------------------------|---|
| Group: A | Bottle Type: | P-1L    | # of Bottles: 4 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 2 |
|          | ALKALINITY   |         |                 |               |               |                                     |   |
|          | TURBIDITY    |         |                 |               |               |                                     |   |
|          | W-CL-IC      |         |                 |               |               |                                     |   |
|          | W-COLOR      |         |                 |               |               |                                     |   |
|          | W-F          |         |                 |               |               |                                     |   |
|          | W-SO4-IC     |         |                 |               |               |                                     |   |
|          | W-TDS        |         |                 |               |               |                                     |   |
|          | W-TSS        |         |                 |               |               |                                     |   |
| Group: A | Bottle Type: | BP-1L   | # of Bottles: 4 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 2 |
|          | CHLSUITE-W   |         |                 |               |               |                                     |   |
| Group: A | Bottle Type: | P-500ML | # of Bottles: 4 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 2 |
|          | W-NH3        |         |                 |               |               |                                     |   |
|          | W-NO2NO3     |         |                 |               |               |                                     |   |
|          | W-S-A-TP     |         |                 |               |               |                                     |   |
|          | W-TKN        |         |                 |               |               |                                     |   |
|          | W-TOC        |         |                 |               |               |                                     |   |
| Group: A | Bottle Type: | P-125ML | # of Bottles: 4 | Preservative: | ICE-FILTR     | Enter Number of Bottles Sent to Lab | 2 |
|          | W-PO4-F      |         |                 |               |               |                                     |   |
| Group: B | Bottle Type: | P-1L    | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 2 |
|          | ALKALINITY   |         |                 |               |               |                                     |   |
|          | TURBIDITY    |         |                 |               |               |                                     |   |
|          | W-CL-IC      |         |                 |               |               |                                     |   |
|          | W-COLOR      |         |                 |               |               |                                     |   |
|          | W-F          |         |                 |               |               |                                     |   |
|          | W-SO4-IC     |         |                 |               |               |                                     |   |
|          | W-TDS        |         |                 |               |               |                                     |   |
|          | W-TSS        |         |                 |               |               |                                     |   |
| Group: B | Bottle Type: | BP-1L   | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 2 |
|          | CHLSUITE-W   |         |                 |               |               |                                     |   |
| Group: B | Bottle Type: | P-500ML | # of Bottles: 2 | Preservative: | HNO3          | Enter Number of Bottles Sent to Lab | 2 |
|          | W-ICP        |         |                 |               |               |                                     |   |
|          | W-ICPMS      |         |                 |               |               |                                     |   |

|          |                                                                 |                |                 |                             |                                     |   |
|----------|-----------------------------------------------------------------|----------------|-----------------|-----------------------------|-------------------------------------|---|
| Group: B | Bottle Type:<br>W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC | P-500ML        | # of Bottles: 2 | Preservative: ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 2 |
| Group: B | Bottle Type:<br>W-PO4-F                                         | P-125ML        | # of Bottles: 2 | Preservative: ICE-FLTR      | Enter Number of Bottles Sent to Lab | 2 |
| Group: C | Bottle Type:<br>ECOLI-18QT                                      | P-250ML-WO-THI | # of Bottles: 3 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 3 |
| Group: D | Bottle Type:<br>W-AHERB-AA<br>W-SUC-AA-R<br>W-UHERB-AA          | BG-1L          | # of Bottles: 3 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 2 |
| Group: E | Bottle Type:<br>PCR-HF183                                       | QPCR-P-250ML   | # of Bottles: 6 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 6 |

Cooler Packing Worksheet for Request: RQ-2017-04-03-28

Wakulla, Moriah, Wards, Caney

Ship Cooler On: 3/30/2017

Customer/Project: WQ-ASSESS/SMP

Assigned To: REYNOLDS\_T

Requester: Curtis Musson

Priority: 3

850-248-8453  
Division Of Water Facilities, FL DEP  
2600 Blair Stone Rd.  
Tallahassee, FL 32399-2400  
Attn: curtis musson

Comments:

Group A: Freshwater Kit  
Group B: Freshwater Kit With Metals  
Group C: E. coli  
Group D: Organics (Tracers)  
Group E: PCR-HF183

1 - Case of sulfuric acid

No FedEx shipping labels needed, samples will be dropped off.

**Requested Analyses:**

**Bottle Group: A**

**# of Sites: 4**

Container ID: P-1L

Qty: 4    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: 4    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: 4 Preservation: ICE And H2SO4

Lot # 00067368

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: 4 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: 2**

Container ID: P-1L

Qty: 2 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: 2 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: 2 Preservation: HNO3

Lot # 00067368

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: 2 Preservation: ICE And H2SO4

Lot # 00067368

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

Description

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

Container ID: P-125ML

Qty: 2 Preservation: 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: C

# of Sites: 3

Container ID: P-250ML-WO-THI

Qty: 3 Preservation: ICE

Lot # 417013

Description:

Analysis

ECOLI-18QT

Description

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

Bottle Group: D

# of Sites: 3

Container ID: BG-1L

Qty: 3 Preservation: ICE

Lot # 00066798

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

Description

W-AHERB-AA

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

W-SUC-AA-R

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

W-UHERB-AA

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 # L170130

Description:

**Analysis**

PCR-HF183

**Description**

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

Cooler Packed By: Tyler Reynolds Date: 04/02/17

DEP Cooler ID #(s): 3 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 Sulfuric Acid Lot # 6302030  
ID \_\_\_\_\_ Lot # \_\_\_\_\_  
ID \_\_\_\_\_ Lot # \_\_\_\_\_  
ID \_\_\_\_\_ Lot # \_\_\_\_\_  
ID \_\_\_\_\_ Lot # \_\_\_\_\_

**PLEASE RETURN ALL COOLERS FOR RQ-2017-04-03-28**