



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
STRATEGIC MONITORING PROGRAM FIELD SHEET

February 2016

PAGE 1 OF 8

Data Qualified?  
Yes / No

STORET Station Name: East River Downstream of Boggy Bayou

Date: 03/08/2016

(mm/dd/yyyy)

STORET Station ID: G1WA0056

Latitude: 30.0972

(Decimal Degrees)

WBID: 1089

RQ - 2016 - 03 - 07 - 64

ORG ID: 21FLWQA

Longitude: -84.1752

(Decimal Degrees)

Receiving Body of Water: Gulf of Mexico, Apalachee Bay

Field ID: G1WA0056

County: Wakulla

| Sampling Team Members |  |  |  |  |  | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-----------------------|--|--|--|--|--|-----------------|-------------------|---------------|--------------|--------------------|
| Curtis Musson         |  |  |  |  |  |                 |                   |               |              |                    |
| Ben Ralys             |  |  |  |  |  |                 |                   |               |              |                    |
| Justin Wallhesier     |  |  |  |  |  |                 |                   |               |              |                    |

| 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 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 checked="" type="checkbox"/> Gasoline Motor |  |

Water Level: Dry / 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       | 12:50 | 0.3              | 2.53            | 8.63      | 104.2     | 7.98 | 19.16          | 1.45            | 32000              | 19.01      |
| CEN       | 12:50 | 2.03             |                 | 8.48      | 102.5     | 8.00 | 20.90          |                 | 33329              | 18.51      |

Biological Samples Collected: None HA SCI LVS RPS LVI Other

| 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 checked="" type="checkbox"/> Ice <input type="checkbox"/> H2SO4 | SA 5113230 | 04/23/2016 | <input checked="" type="checkbox"/> <2 |
| Metals                       | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP                                                                                                                                                                                                                     | <input type="checkbox"/> Ice <input type="checkbox"/> HNO2             |            |            | <input 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                                |            |            |                                        |
| BOD                          | <input checked="" type="checkbox"/> BOD-UNIN                                                                                                                                                                                                                                        | <input checked="" type="checkbox"/> Ice                                |            |            |                                        |
| Physical/Aggregate (Kit A/C) | <input 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 type="checkbox"/> Ice                                           |            |            |                                        |
| Physical/Aggregate (Kit B/D) | <input checked="" type="checkbox"/> Alkalinity / <input type="checkbox"/> W-F / <input type="checkbox"/> W-TSS / <input type="checkbox"/> TURBIDITY                                                                                                                                 | <input checked="" type="checkbox"/> Ice                                |            |            |                                        |
| Macroinvertebrates           | <input type="checkbox"/> MI-FW-QLDC                                                                                                                                                                                                                                                 | <input type="checkbox"/> Formalin                                      |            |            |                                        |
| Microbiology                 | <input type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Entero <input type="checkbox"/> QPCR                                                                                                                                                       | <input type="checkbox"/> Ice                                           |            |            |                                        |
| Periphyton                   | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                                                                                                   | <input type="checkbox"/> Ice                                           |            |            |                                        |
| Pesticides                   | <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-AHERB-AA <input type="checkbox"/> W-PYR-AA-R<br><input type="checkbox"/> W-PC-AA-SF <input type="checkbox"/> W-UHERB-AA <input type="checkbox"/> W-GLYPH                                                              | <input type="checkbox"/> Ice<br><input type="checkbox"/> Other         |            |            |                                        |

Contains  
1:1  
Sulfuric Acid  
SA-5113230  
EXP: 04/23/16  
Warning!  
See MSDS

Active Sticker(s) Here  
(Available)

Notes: low tide @ 7:43 am, rising tide

Place Label Here  
(If Available)

Signature:

Date:

Field Parameters Entered into LIMS: CM 3-9-16  
(Initials/Date)

Field Parameters QC in LIMS: BR 5/11/16  
(Initials/Date)

Date Migrated to STORET:   
(Initials/Date)

Field Sheets Scanned/Saved: CM 5-23-16  
(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 Bp #2 RQ- 2016-03-07-64 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 03/04/2016

| 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.                  | Ben Ralys     | 3/8/16 | 7:20          | 20.88 | 8.95                  | 8.94                  | 100.0 | 46.1            | -             | P              | L              |
| ICV                      | Ben Ralys     | 3/8/16 | 7:21          | 20.9  | 8.93                  | 8.94                  | 100.0 | 46.1            | -             | P              | L              |
| CCV                      | Curtis Mussen | 3/8/16 | 15:05         | 20.0  | 8.74                  | 8.87                  | 140.5 | 45.1            | -             | P              | L              |
| 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.<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.                   | Ben Ralys     | 3/8/16 | 7:23          | CC14162 | 10/15/2016     | 996                      | 996                              | P              | L              |
| ICV                       | Ben Ralys     | 3/8/16 | 7:24          | CC14162 | 10/15/2016     | 996                      | 996                              | P              | L              |
| CCV                       | Curtis Mussen | 3/8/16 | 15:06         | 160301F | 03/2017        | 50,000                   | 50,019                           | P              | L              |
| 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.                  | Ben Ralys     | 3/8/16 | 7:50          | 156244 | 10/2017        | 7.0                | 7.00                   | -6.1   | P              | L              |
| Calibr.                  | Ben Ralys     | 3/8/16 | 7:33          | 154634 | 02/2017        | 4.0                | 4.0                    | 169.2  | P              | L              |
| Calibr.                  | Ben Ralys     | 3/8/16 | 7:35          | 146934 | 10/2016        | 10.0               | 10.0                   | -182.7 | P              | L              |
| ICV                      | Ben Ralys     | 3/8/16 | 7:38          | 156244 | 10/2017        | 7.0                | 6.95                   | -9.1   | P              | L              |
| CCV                      | Curtis Mussen | 3/8/16 | 15:08         | 156244 | 10/2017        | 7.0                | 6.98                   | -5.4   | P              | L              |
| CCV                      | Curtis Mussen | 3/8/16 | 15:11         | 146934 | 10/2016        | 10.0               | 9.95                   | -18.5  | P              | L              |

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

mV pH 7 Range  $0 \pm 50$ ;

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

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

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

East River, Moriah Creek, Wakulla River and St. Marks River

## Central Laboratory Submittal Form

last revised Nov 10, 2015

Customer: WQAP

Requester: Benjamin Ralys

Field Report Prepared By: CUTS Mussey

Project ID: SMP

Collected By: Benjamin Ralys

Sampling Agency: FDEP

|                                                  |  |                                                                           |  |                                                               |  |                                                                                 |  |                                                                      |  |                                               |  |
|--------------------------------------------------|--|---------------------------------------------------------------------------|--|---------------------------------------------------------------|--|---------------------------------------------------------------------------------|--|----------------------------------------------------------------------|--|-----------------------------------------------|--|
| Location<br>Wakulla River Below US 98            |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab |  | Collection (comp begin or grab)<br>Date 03/08/2016 Time 10:45 |  | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central |  | Composite end<br>Date Time                                           |  | Bottle Group(s)<br>(See pg 2)                 |  |
| Field ID<br>GIWA0028                             |  | Matrix (type, e.g., Salt, Fresh, etc)<br>Fresh                            |  | Diss. Oxygen<br>6.50                                          |  | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat      |  | Total Res. Chlorine<br>(mg/L)                                        |  | B                                             |  |
| STORET #<br>GIWA0028                             |  | Temp (C)<br>19.03                                                         |  | pH<br>7.72                                                    |  | Sample Depth<br>0.3                                                             |  | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m |  |                                               |  |
| Latitude<br>30.17607                             |  | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms    |  | Longitude<br>-84.24290                                        |  | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms          |  | Salinity (ppt)<br>0.16                                               |  | Comments<br>Labeled Bottle Group A on Bottles |  |
| Location<br>St. Marks River at Channel Marker 60 |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab |  | Collection (comp begin or grab)<br>Date 03/08/2016 Time 11:30 |  | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central |  | Composite end<br>Date Time                                           |  | Bottle Group(s)                               |  |
| Field ID<br>GIWA0055                             |  | Matrix (type, e.g., Salt, Fresh, etc)<br>Salt                             |  | Diss. Oxygen<br>7.84                                          |  | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat      |  | Total Res. Chlorine<br>(mg/L)                                        |  | A                                             |  |
| STORET #<br>GIWA0055                             |  | Temp (C)<br>19.24                                                         |  | pH<br>7.85                                                    |  | Sample Depth<br>0.3                                                             |  | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m |  |                                               |  |
| Latitude<br>30.1447                              |  | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms    |  | Longitude<br>-84.2088                                         |  | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms          |  | Salinity (ppt)<br>0.62                                               |  | Comments<br>SMP                               |  |
| Location<br>St. Marks River at Channel Marker 22 |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab |  | Collection (comp begin or grab)<br>Date 03/08/2016 Time 12:00 |  | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central |  | Composite end<br>Date Time                                           |  | Bottle Group(s)                               |  |
| Field ID<br>GIWA0008                             |  | Matrix (type, e.g., Salt, Fresh, etc)<br>Salt                             |  | Diss. Oxygen<br>8.50                                          |  | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat      |  | Total Res. Chlorine<br>(mg/L)<br>27667                               |  | A                                             |  |
| STORET #<br>GIWA0008                             |  | Temp (C)<br>18.43                                                         |  | pH<br>7.95                                                    |  | Sample Depth<br>0.3                                                             |  | <input checked="" type="checkbox"/> ft<br><input type="checkbox"/> m |  |                                               |  |
| Latitude<br>30.0929                              |  | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms    |  | Longitude<br>-84.1939                                         |  | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms          |  | Salinity (ppt)<br>17.06                                              |  | Comments<br>SMP                               |  |
| Location<br>Mouth of East River                  |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab |  | Collection (comp begin or grab)<br>Date 03/08/2016 Time 12:30 |  | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central |  | Composite end<br>Date Time                                           |  | Bottle Group(s)                               |  |
| Field ID<br>GIWA0011                             |  | Matrix (type, e.g., Salt, Fresh, etc)<br>Salt                             |  | Diss. Oxygen<br>8.53                                          |  | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat      |  | Total Res. Chlorine<br>(mg/L)                                        |  | A                                             |  |
| STORET #<br>GIWA0011                             |  | Temp (C)<br>18.51                                                         |  | pH<br>7.99                                                    |  | Sample Depth<br>0.3                                                             |  | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m |  |                                               |  |
| Latitude<br>30.0893                              |  | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms    |  | Longitude<br>-84.1774                                         |  | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms          |  | Salinity (ppt)<br>20.45                                              |  | Comments<br>SMP                               |  |

|                  |            |                 |              |           |                  |           |              |            |
|------------------|------------|-----------------|--------------|-----------|------------------|-----------|--------------|------------|
| Relinquished By: | Date/Time  | Shipping Method | Received By: | Date/Time | Relinquished By: | Date/Time | Received By: | Date/Time  |
| CUTS Mussey      | 03/08/2016 | Drop off        |              |           |                  |           | S/L          | 3-816/3:42 |

East River, Moriah Creek, Wakulla River and St. Marks River

## Florida Department of Environmental Protection Central Laboratory Submittal Form

254

Page 1 of 3

last revised Nov 10, 2015

**Customer: WQAP**

**Project ID: SMP**

Requester: Benjamin Ralys

Collected By: Benjamin Rals

Field Report Prepared By:

Curtis Mussen

Sampling Agency:

FDEJ

|                                                  |  |                                                                           |  |                                                               |  |                                                                            |  |                                    |  |                                  |  |
|--------------------------------------------------|--|---------------------------------------------------------------------------|--|---------------------------------------------------------------|--|----------------------------------------------------------------------------|--|------------------------------------|--|----------------------------------|--|
| Location<br>East River Downstream of Boggy Bayou |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab |  | Collection (comp begin or grab)<br>Date 03/08/2016 Time 12:50 |  | Eastern<br>Central                                                         |  | Composite end<br>Date Time         |  | Bottle<br>Group(s)<br>(See pg 2) |  |
| Field ID<br>GIWA0056                             |  | Matrix (type, e.g., Salt, Fresh, etc)<br>Salt                             |  | Diss. Oxygen<br>8.63                                          |  | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat |  | Total Res. Chlorine<br>(mg/L)      |  | A                                |  |
| STORET #<br>GIWA0056                             |  | Temp<br>(C) 19.01                                                         |  | pH 7.98                                                       |  | Sample<br>Depth 0.3                                                        |  | Sp. Conductance<br>(umho/cm) 37000 |  |                                  |  |
| Latitude<br>30.0972                              |  | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms    |  | Longitude<br>-84.1752                                         |  | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms     |  | Salinity<br>(ppt) 19.16            |  |                                  |  |
| Location<br>Moriah Creek at US 98                |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab |  | Collection (comp begin or grab)<br>Date 03/08/2016 Time 14:20 |  | Eastern<br>Central                                                         |  | Composite end<br>Date Time         |  | Bottle<br>Group(s)               |  |
| Field ID<br>GIWA0027                             |  | Matrix (type, e.g., Salt, Fresh, etc)<br>Fresh                            |  | Diss. Oxygen<br>6.02                                          |  | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat |  | Total Res. Chlorine<br>(mg/L)      |  | B                                |  |
| STORET #<br>GIWA0027                             |  | Temp<br>(C) 19.91                                                         |  | pH 7.47                                                       |  | Sample<br>Depth 0.2                                                        |  | Sp. Conductance<br>(umho/cm) 456   |  |                                  |  |
| Latitude<br>30.1961                              |  | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms    |  | Longitude<br>-84.1965                                         |  | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms     |  | Salinity<br>(ppt) 0.22             |  |                                  |  |
| Location<br>Moriah Creek 100 Meters Upstream of  |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab |  | Collection (comp begin or grab)<br>Date 03/08/2016 Time 14:45 |  | Eastern<br>Central                                                         |  | Composite end<br>Date Time         |  | Bottle<br>Group(s)               |  |
| Field ID<br>GIWA0057                             |  | Matrix (type, e.g., Salt, Fresh, etc)<br>Fresh                            |  | Diss. Oxygen<br>7.19                                          |  | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat |  | Total Res. Chlorine<br>(mg/L)      |  | B                                |  |
| STORET #<br>GIWA0057                             |  | Temp<br>(C) 18.64                                                         |  | pH 7.62                                                       |  | Sample<br>Depth 0.2                                                        |  | Sp. Conductance<br>(umho/cm) 345   |  |                                  |  |
| Latitude<br>30.1857                              |  | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms    |  | Longitude<br>-84.1929                                         |  | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                |  | Salinity<br>(ppt) 0.17             |  |                                  |  |
| Location                                         |  | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            |  | Collection (comp begin or grab)<br>Date Time                  |  | Eastern<br>Central                                                         |  | Composite end<br>Date Time         |  | Bottle<br>Group(s)               |  |
| Field ID                                         |  | Matrix (type, e.g., Salt, Fresh, etc)                                     |  | Diss. Oxygen                                                  |  | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            |  | Total Res. Chlorine<br>(mg/L)      |  |                                  |  |
| STORET #                                         |  | Temp<br>(C)                                                               |  | pH                                                            |  | Sample<br>Depth                                                            |  | Sp. Conductance<br>(umho/cm)       |  |                                  |  |
| Latitude                                         |  | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               |  | Longitude                                                     |  | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                |  | Salinity<br>(ppt)                  |  |                                  |  |

|                  |           |                 |              |           |                  |           |                                                                                       |              |
|------------------|-----------|-----------------|--------------|-----------|------------------|-----------|---------------------------------------------------------------------------------------|--------------|
| Relinquished By: | Date/Time | Shipping Method | Received By: | Date/Time | Relinquished By: | Date/Time | Received By:                                                                          | Date/Time    |
|                  |           |                 |              |           |                  |           |  | 3-8-11 12:11 |

4054

---

Group: B      Bottle Type: P-500ML      # of Bottles: 3      Preservative: ICE And H2SO4      Enter Number of Bottles Sent to Lab 3

W-S-A-TP  
W-TKN  
W-TOC

---

Group: B      Bottle Type: P-125ML      # of Bottles: 3      Preservative: ICE-FLTR      Enter Number of Bottles Sent to Lab 3

W-PO4-F

---

Cooler Packing Worksheet for Request: RQ-2016-03-07-64  
East River, Moriah Creek, Wakulla River and St. Marks River

Ship Cooler On: 2/26/2016  
Customer/Project: WQAP/SMP

Requester: Benjamin Ralys  
Priority: 3

850-245-8443  
2600 Blair Stone Rd  
MS #3560  
Tallahassee, FL 32399-2400  
Attn: Ben Ralys

Comments:

- 1 - case of Nitric Acid
- 1 - case of Sulfuric Acid

Requested Analyses:

**Bottle Group: A**

**# of Sites: 4**

Container ID: P-1L

Qty: 4      Preservation: ICE

Lot # 00060701

Description: Plastic Bottle 1L

**Analysis**

ALKALINITY  
TURBIDITY  
W-F  
W-TSS

**Description**

Alkalinity in aqueous matrices as mg CaCO<sub>3</sub>/L  
Turbidity in aqueous matrices  
Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)  
Total Suspended Solids in aqueous matrices

Container ID: P-1L

Qty: 4      Preservation: ICE

Lot # 00060701

Description: Plastic Bottle 1L

**Analysis**

BOD-UNIN

**Description**

BOD, NOT nitrogen-inhibited

Container ID: BP-1L

Qty: 4      Preservation: ICE

Lot # 1166627

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 # 0006 3982

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 # 0006 3891

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: P-1L

Qty: 3 Preservation: ICE

Lot # 0006 0701

Description: Plastic Bottle 1L

Analysis

ALKALINITY  
TURBIDITY  
W-CL-IC  
W-COLOR  
W-F  
W-NO2  
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)  
Nitrite in aqueous matrices as mg N/L  
Total Dissolved Solids in aqueous matrices  
Total Suspended Solids in aqueous matrices

Container ID: P-1L

Qty: 3 Preservation: ICE

Lot # 0006 0701-2

Description: Plastic Bottle 1L

0006  
00053616-1

Analysis

BOD-UNIN

Description

BOD, NOT nitrogen-inhibited

Container ID: BP-1L

Qty: 3 Preservation: ICE

Lot # 1166627

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: ICE And H2SO4

Lot # 00063982

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 # 00063891

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Cooler Packed By: SK

Date: \_\_\_\_\_

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 Nitric Acid - exp: 4-23-16 Lot # NA-5113210  
ID \_\_\_\_\_ Lot # \_\_\_\_\_  
ID Sulfuric Acid exp: 9-16-16 Lot # SA-5259020  
ID \_\_\_\_\_ Lot # \_\_\_\_\_  
ID \_\_\_\_\_ Lot # \_\_\_\_\_

**PLEASE RETURN ALL COOLERS FOR RQ-2016-03-07-64**