



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
STRATEGIC MONITORING PROGRAM FIELD SHEET

March 2017

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6/27/2017

Data Qualified?  
Yes / No

Location/STORET Station Name: Central Drainage Ditch downstream of Orange Ave.

Date: 05/30/2017 cm  
(mm/dd/yyyy)

STORET # G1WA0026

WBID: 857

Latitude: 30.4095

(Decimal Degrees)

County: Leon RQ - 2017-05-15-16

ORG ID: 21FLWQA

Longitude: -84.3073

(Decimal Degrees)

Receiving Body of Water: Lake Munson Field ID: G1WA0026\_05302017

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

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

| Collection Method                           |                                         |  |
|---------------------------------------------|-----------------------------------------|--|
| <input checked="" type="checkbox"/> Wading  | 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 |

Field Sample

| Time Zone | Time | Sample Depth (m) | Total Depth (m) | DO (mg/L) | DO (%SAT) | pH   | Salinity (ppt) | Secchi Disk (m) | Sp COND (µmhos/cm) | Temp. (C°) |
|-----------|------|------------------|-----------------|-----------|-----------|------|----------------|-----------------|--------------------|------------|
| EST       | 145  | 0.15             | 0.3             | 10.08     | 132.6     | 7.95 | 0.10           | VOB             | 212                | 29.67      |
| 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 checked="" type="checkbox"/> H2SO4 | 7093010                                                                                                                                          | 4/3/18     | <input checked="" type="checkbox"/> <2 |
| Metals                      | <input checked="" type="checkbox"/> W-ICPMS <input checked="" type="checkbox"/> W-ICP                                                                                                                                                                                                                                                                                       | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> HNO3  | 7086060                                                                                                                                          | 3/27/18    | <input checked="" type="checkbox"/> <2 |
| Filtered Nutrients          | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                                                                                                                                                                               | <input type="checkbox"/> Ice                                                      | <div>Contains 1:1 Sulfuric Acid SA-7093010 EXP: 04/03/18 Warning! See SDS</div> <div>Nitric Acid NA-7086060 EXP: 03/27/18 Warning! See SDS</div> |            |                                        |
| Chlorophyll                 | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                                                                                                                                                                                              | <input 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-CI-IC / <input checked="" type="checkbox"/> W-COLOR / <input checked="" type="checkbox"/> W-SO4-IC / <input checked="" 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 checked="" type="checkbox"/> W-SUC-AA-R <input type="checkbox"/> W-UHERB-AA <input type="checkbox"/> W-AHERB-AA                                                                                                                                                                                                                                                      | <input type="checkbox"/> Ice                                                      |                                                                                                                                                  |            |                                        |
| Pesticides                  | <input checked="" type="checkbox"/> W-PSNP-TQ <input 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 checked="" type="checkbox"/> Ice <input type="checkbox"/> Other            |                                                                                                                                                  |            |                                        |
| Notes: Sampled during rain  |                                                                                                                                                                                                                                                                                                                                                                             |                                                                                   |                                                                                                                                                  |            |                                        |

# QA/QC Sample Information

## Duplicate

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

## Blank

| Time Zone: <b>EST</b> <b>CEN</b>                                                                                                                |                                                                                                                                                                                                                                                            | Time: <u>7:10</u>                                                                                          |                                                      | Field ID: <u>G1WA0052-06272017</u> |                                         | Location: <u>Bout Storage</u> |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|------------------------------------------------------|------------------------------------|-----------------------------------------|-------------------------------|--|
| <input checked="" type="checkbox"/> Field Blank <input type="checkbox"/> Equipment Blank <input type="checkbox"/> Field Cleaned Equipment Blank |                                                                                                                                                                                                                                                            | Equipment ID: _____                                                                                        |                                                      |                                    |                                         |                               |  |
| Parameter Suite                                                                                                                                 | Parameter Methods                                                                                                                                                                                                                                          | Preservation                                                                                               | Acid Lot#                                            | Expiration                         | pH Check                                |                               |  |
| <b>Preserved Nutrients</b>                                                                                                                      | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                                                                                                                                                            | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> | <u>7013010</u>                                       | <u>4/3/18</u>                      | <input checked="" type="checkbox"/> < 2 |                               |  |
| <b>Metals</b>                                                                                                                                   | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP                                                                                                                                                                                            | <input type="checkbox"/> Ice <input type="checkbox"/> HNO <sub>3</sub>                                     |                                                      |                                    | <input type="checkbox"/> < 2            |                               |  |
| <b>Filtered Nutrients</b>                                                                                                                       | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                                                              | <input checked="" type="checkbox"/> Ice                                                                    | Place Preservative Sticker(s) Here<br>(If Available) |                                    |                                         |                               |  |
| <b>Chlorophyll</b>                                                                                                                              | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                                                                             | <input checked="" type="checkbox"/> Ice                                                                    |                                                      |                                    |                                         |                               |  |
| Physical/Aggregate (Fresh)                                                                                                                      | <input checked="" type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS                                                                                                                                            | <input checked="" type="checkbox"/> Ice                                                                    |                                                      |                                    |                                         |                               |  |
| Physical/Aggregate (Marine)                                                                                                                     | <input type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY                                                                                                                                                                                              | <input type="checkbox"/> Ice                                                                               |                                                      |                                    |                                         |                               |  |
| <b>Microbiology</b>                                                                                                                             | <input type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococci <input type="checkbox"/> qPCR                                                                                                                         | <input type="checkbox"/> Ice                                                                               |                                                      |                                    |                                         |                               |  |
| <b>Tracers</b>                                                                                                                                  | <input type="checkbox"/> W-SUC-AA-R <input type="checkbox"/> W-UHERB-AA <input type="checkbox"/> W-AHERB-AA                                                                                                                                                | <input type="checkbox"/> Ice                                                                               |                                                      |                                    |                                         |                               |  |
| <b>Pesticides</b>                                                                                                                               | <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-AHERB-AA <input type="checkbox"/> W-PYR-AA-R<br><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"/> Other                                                                             |                                                      |                                    |                                         |                               |  |

|                                                                                                                                       |                                                                                                                  |                                                                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notes:</b><br>1-Kit <b>Central Drainage</b><br>FW-Bact <b>Ditch downstream</b><br>Tracers <b>of Orange Ave.</b><br>Markers<br>Pest | STORET<br><br><b>G1WA0026</b> | Field ID →<br>Central Drainage<br>ditch downstream<br>Orange Ave.<br>June 27, 2017<br><br><b>G1WA0026 06272017</b> |
|                                                                                                                                       | Signature:                    |                                                                                                                                                                                                         |
| Date: <u>6/27/17</u>                                                                                                                  |                                                                                                                  |                                                                                                                                                                                                         |

Parameters Entered into LIMS: DT 6/30/17 (Initials/Date) Field Parameters QC in LIMS: \_\_\_\_\_ (Initials/Date)

Printed to STORET: \_\_\_\_\_ (Initials/Date) Field Sheets Scanned/Saved: DT 6/30/17 (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 **Biology #2**

RQ- **2017-05-15-16**

Project **SMP**

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

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

**Temperature (Quarterly) FT 1400**

Date of Last Temperature Verification **03/06/2017**

| DO DEP SOP FT 1500 | Name          | Date    | Time CT-ET | Temp  | D.O. Chart mg/L | Meter D.O. mg/L | % DO  | Probe Charge | Probe Gain | Pass / Fail | Lab / Field |
|--------------------|---------------|---------|------------|-------|-----------------|-----------------|-------|--------------|------------|-------------|-------------|
| Calibr.            | Curtis Musson | 6/26/17 | 16:06      | 22.91 | 8.595           | 8.59            | 100.0 | 46           | —          | P           | LAB         |
| ICV                | Curtis Musson | 6/26/17 | 16:07      | 22.91 | 8.595           | 8.59            | 100.0 | 47           | —          | P           | LAB         |
| CCV                | Robert Wini   | 6/27/17 | 14:43      | 25.3  | 8.218           | 8.29            | 100.7 | 47.1         | —          | 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. 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.             | Curtis Musson | 6/26/17 | 16:08      | 170310D | 3/24/18     | 1000                   | 1000                        | P           | LAB         |
| ICV                 | Curtis Musson | 6/26/17 | 16:09      | 170310D | 3/24/18     | 1000                   | 1000                        | P           | LAB         |
| CCV                 | Robert Wini   | 6/27/17 | 14:45      | 170310E | 3/18        | 100                    | 104                         | P           | L           |
| CCV                 |               |         |            |         |             |                        |                             |             |             |

Report specific conductance as a whole number with no decimal figure. Conductivity Acceptance criteria  $\pm 5\%$

| pH DEP SOP FT 1100 | Name          | Date    | Time CT-ET | Lot #   | Expir. Date | pH Buffer SU | Meter reading SU | mV    | Pass / Fail | Lab / Field |
|--------------------|---------------|---------|------------|---------|-------------|--------------|------------------|-------|-------------|-------------|
| Calibr.            | Curtis Musson | 6/26/17 | 16:11      | 170310B | 9/24/18     | 7.0          | 7.00             | -7    | P           | LAB         |
| Calibr.            | Curtis Musson | 6/26/17 | 16:12      | 170310A | 3/20/18     | 4.01         | 4.01             | 166   | P           | LAB         |
| Calibr.            | Curtis Musson | 6/26/17 | 16:14      | 161111C | 5/24/18     | 10.01        | 9.99             | -125  | P           | LAB         |
| ICV                | Curtis Musson | 6/26/17 | 16:15      | 161111C | 5/24/18     | 10.01        | 9.89             | -171  | P           | LAB         |
| CCV                | Robert Wini   | 6/27/17 | 14:48      | 170310A | 3/18        | 4.01         | 4.09             | 164.8 | P           | L           |
| CCV                |               |         |            |         |             |              |                  |       |             |             |

Report pH with one decimal place; pH Acceptance criteria  $\pm 0.2$  SU; mV pH7 Range  $0 \pm 50$ ; mV pH 4 Range  $+180 \pm 50$ ; mV pH 10 Range  $-180 \pm 50$ ; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

**Depth (Quarterly)**

Date of Last Depth Verification

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

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

Request Number: 2017-05-15-16

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
Central Lab Sample Submittal Form

Page 1 of 4

Customer: WC-ASSESS  
Project ID: SMP

Requester: Curtis Musson

Collected By: Curtis Musson, Robert Wivi

Field Report Prepared By: Robert Wivi  
Sampling Agency: FDEPAj Henry Park  
Pond Middle

GTWA00058

Field ID: →

Aj Henry Park  
Pond Middle

June 27, 2017 GTWA00058\_06272017

|                                          |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
|------------------------------------------|---------------------------------|------|---------|------|------|------------------------------------------|---------------------------------|------|--|------|--|-----------------|
| <input type="checkbox"/> Comp            | Collection (comp begin or grab) | Date | 6/27/17 | Time | 8:15 | <input checked="" type="radio"/> Eastern | Collection (comp begin or grab) | Date |  | Time |  | Bottle Group(s) |
| <input checked="" type="checkbox"/> Grab |                                 |      |         |      |      | Central                                  |                                 |      |  |      |  |                 |
| Matrix (Salt, Fresh)                     |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| Fresh                                    |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| Diss. Oxygen (mg/L)                      |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| 6.26                                     |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| Temp (C)                                 |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| 29.24                                    |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| pH                                       |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| 7.01                                     |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| Sample Depths (m)                        |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| 0.3                                      |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| Sp. Conductance (umho/cm)                |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| 79                                       |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| Salinity (ppt)                           |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| 0.04                                     |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| Comments                                 |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| Latitude (Decimal Degrees)               |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| 30.508                                   |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| Longitude (Decimal Degrees)              |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| -84.216                                  |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |

Lake Arrowhead at  
boat dock at Turtle  
Creek Ln near outlet

GTWA00004

Field ID: →

Lake Arrowhead  
boat dock at  
Turtle Creek Ln  
near outlet

June 27, 2017 GTWA00004\_06272017

|                                          |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
|------------------------------------------|---------------------------------|------|---------|------|------|------------------------------------------|---------------------------------|------|--|------|--|-----------------|
| <input type="checkbox"/> Comp            | Collection (comp begin or grab) | Date | 6/27/17 | Time | 8:55 | <input checked="" type="radio"/> Eastern | Collection (comp begin or grab) | Date |  | Time |  | Bottle Group(s) |
| <input checked="" type="checkbox"/> Grab |                                 |      |         |      |      | Central                                  |                                 |      |  |      |  |                 |
| Matrix (Salt, Fresh)                     |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| Fresh                                    |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| Diss. Oxygen (mg/L)                      |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| 8.00                                     |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| Temp (C)                                 |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| 29.09                                    |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| pH                                       |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| 7.12                                     |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| Sample Depths (m)                        |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| 0.3                                      |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| Sp. Conductance (umho/cm)                |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| 73                                       |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| Salinity (ppt)                           |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| 0.03                                     |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| Comments                                 |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| Latitude (Decimal Degrees)               |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| 30.568517                                |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| Longitude (Decimal Degrees)              |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| -84.218058                               |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |

Tallavanna  
Lake Middle

GTWA00045

Field ID: →

Tallavanna  
Lake Middle

June 27, 2017

GTWA00045\_06272017

|                                          |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
|------------------------------------------|---------------------------------|------|---------|------|------|------------------------------------------|---------------------------------|------|--|------|--|-----------------|
| <input type="checkbox"/> Comp            | Collection (comp begin or grab) | Date | 6/27/17 | Time | 9:53 | <input checked="" type="radio"/> Eastern | Collection (comp begin or grab) | Date |  | Time |  | Bottle Group(s) |
| <input checked="" type="checkbox"/> Grab |                                 |      |         |      |      | Central                                  |                                 |      |  |      |  |                 |
| Matrix (Salt, Fresh)                     |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| Fresh                                    |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| Diss. Oxygen (mg/L)                      |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| 9.68                                     |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| Temp (C)                                 |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| 29.07                                    |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| pH                                       |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| 8.97                                     |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| Sample Depths (m)                        |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| 0.3                                      |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| Sp. Conductance (umho/cm)                |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| 251                                      |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| Salinity (ppt)                           |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| 0.12                                     |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| Comments                                 |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| Latitude (Decimal Degrees)               |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| 30.59862                                 |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| Longitude (Decimal Degrees)              |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |
| -84.46593                                |                                 |      |         |      |      |                                          |                                 |      |  |      |  |                 |

Relinquished By:

Date/Time

6/27/17

14:25

Number of Coolers

5

Received By:

Date/Time

6/28/17

14:30

Request Number: 2017-05-15-16

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
Central Lab Sample Submittal Form

Requester: Curtis Musson

Customer: WQ-ASSESS  
Project ID: SMP

Collected By: Curtis Musson, Robert Wini

Field Report Prepared By: Robert Wini  
Sampling Agency: FDEP

Page 2 of 4

QC BLANK



G1WA0052\_06272017B

Swamp Creek  
upstream of  
Railroad

G1WA0052



G1WA0052\_06272017

Swamp Creek  
upstream of  
Railroad  
QC - DUP

G1WA0052



G1WA0052\_06272017D

|                                                                           |                                                           |                                                                           |                                         |                           |
|---------------------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------|---------------------------|
| <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 6/27/17 Time 7:16 | <input checked="" type="radio"/> Eastern<br><input type="radio"/> Central | Collection (comp begin or grab)<br>Date | Bottle<br>Group(s)        |
| Matrix (Salt, Fresh)                                                      | Diss. Oxygen (mg/L)                                       | pH                                                                        | Sample Depts (m)                        | Sp. Conductance (umho/cm) |
| DI Water                                                                  |                                                           |                                                                           |                                         |                           |
| Temp (C)                                                                  |                                                           |                                                                           |                                         |                           |
| Salinity (ppt)                                                            |                                                           |                                                                           |                                         |                           |
| Latitude (Decimal Degrees)                                                |                                                           |                                                                           |                                         |                           |
| Longitude (Decimal Degrees)                                               |                                                           |                                                                           |                                         |                           |
| Comments                                                                  | QC Blank, DI Water                                        |                                                                           |                                         |                           |

|                                                                           |                                                            |                                                                           |                                         |                           |
|---------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------|---------------------------|
| <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 6/27/17 Time 10:55 | <input checked="" type="radio"/> Eastern<br><input type="radio"/> Central | Collection (comp begin or grab)<br>Date | Bottle<br>Group(s)        |
| Matrix (Salt, Fresh)                                                      | Diss. Oxygen (mg/L)                                        | pH                                                                        | Sample Depts (m)                        | Sp. Conductance (umho/cm) |
| Fresh                                                                     | 7.29                                                       |                                                                           |                                         |                           |
| Temp (C)                                                                  |                                                            |                                                                           |                                         |                           |
| Salinity (ppt)                                                            |                                                            |                                                                           |                                         |                           |
| Latitude (Decimal Degrees)                                                |                                                            |                                                                           |                                         |                           |
| Longitude (Decimal Degrees)                                               |                                                            |                                                                           |                                         |                           |
| Comments                                                                  | C/D, E, F, G                                               |                                                                           |                                         |                           |

|                                                                           |                                                            |                                                                           |                                         |                           |
|---------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------|---------------------------|
| <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 6/27/17 Time 10:55 | <input checked="" type="radio"/> Eastern<br><input type="radio"/> Central | Collection (comp begin or grab)<br>Date | Bottle<br>Group(s)        |
| Matrix (Salt, Fresh)                                                      | Diss. Oxygen (mg/L)                                        | pH                                                                        | Sample Depts (m)                        | Sp. Conductance (umho/cm) |
| Fresh                                                                     | 7.29                                                       |                                                                           |                                         |                           |
| Temp (C)                                                                  |                                                            |                                                                           |                                         |                           |
| Salinity (ppt)                                                            |                                                            |                                                                           |                                         |                           |
| Latitude (Decimal Degrees)                                                |                                                            |                                                                           |                                         |                           |
| Longitude (Decimal Degrees)                                               |                                                            |                                                                           |                                         |                           |
| Comments                                                                  | C, D, E                                                    |                                                                           |                                         |                           |

Relinquished By:

Date/Time

Number of Cores

Received By:

Date/Time

Date/Time

Request Number: 2017-05-15-16

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
Central Lab Sample Submittal Form

Requester: Curtis Musson

Customer: WQ-ASSESS  
Project ID: SMP

Collected By: Curtis Musson, Robert Livi

Field Report Prepared By: Robert Livi

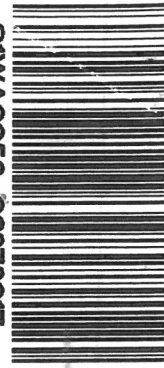
Sampling Agency: FDEP

Salem Branch  
downstream of  
FSR 159



STORET ↓  
G1WA0053

Field ID →  
Salem Branch  
downstream of  
FSR 159  
June 27, 2017



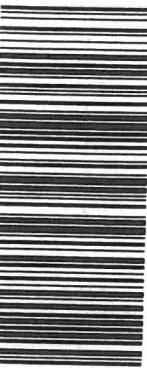
G1WA0053\_06272017

Harbinwood  
Estates Drain



STORET ↓  
G1WA0034

Field ID →  
Harbinwood  
Estates Drain  
June 27, 2017



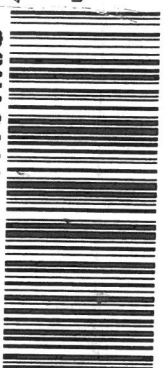
G1WA0034\_06272017

Megginn's Arm Run  
Downstream of Sharer



STORET ↓  
G1WA0033

Field ID →  
Megginn's Arm  
Run Downstream  
of Sharer  
June 27, 2017



G1WA0033\_06272017

|                                                                           |                                                            |                                                                           |                                         |
|---------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------|
| <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 6/27/17 Time 11:50 | <input checked="" type="radio"/> Eastern<br><input type="radio"/> Central | Collection (comp begin or grab)<br>Date |
|---------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------|

|                               |                             |                  |  |
|-------------------------------|-----------------------------|------------------|--|
| Matrix (Salt, Fresh)<br>Fresh | Diss. Oxygen (mg/L)<br>5.71 | Sample Depts (m) |  |
|-------------------------------|-----------------------------|------------------|--|

|                   |            |                                  |
|-------------------|------------|----------------------------------|
| Temp (C)<br>27.88 | pH<br>6.90 | Sp. Conductance (umho/cm)<br>250 |
|-------------------|------------|----------------------------------|

|                        |          |
|------------------------|----------|
| Salinity (ppt)<br>0.12 | Comments |
|------------------------|----------|

|                                     |                                        |
|-------------------------------------|----------------------------------------|
| Latitude (Decimal Degrees)<br>30.36 | Longitude (Decimal Degrees)<br>-84.432 |
|-------------------------------------|----------------------------------------|

|                                                                           |                                                            |                                                                           |                                         |
|---------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------|
| <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 6/27/17 Time 12:25 | <input checked="" type="radio"/> Eastern<br><input type="radio"/> Central | Collection (comp begin or grab)<br>Date |
|---------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------|

|                               |                             |                  |  |
|-------------------------------|-----------------------------|------------------|--|
| Matrix (Salt, Fresh)<br>Fresh | Diss. Oxygen (mg/L)<br>4.41 | Sample Depts (m) |  |
|-------------------------------|-----------------------------|------------------|--|

|                   |            |                                  |
|-------------------|------------|----------------------------------|
| Temp (C)<br>27.86 | pH<br>6.34 | Sp. Conductance (umho/cm)<br>153 |
|-------------------|------------|----------------------------------|

|                        |          |
|------------------------|----------|
| Salinity (ppt)<br>0.07 | Comments |
|------------------------|----------|

|                                       |                                         |
|---------------------------------------|-----------------------------------------|
| Latitude (Decimal Degrees)<br>30.5193 | Longitude (Decimal Degrees)<br>-84.3357 |
|---------------------------------------|-----------------------------------------|

|                                                                           |                                                            |                                                                           |                                         |
|---------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------|
| <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 6/27/17 Time 13:00 | <input checked="" type="radio"/> Eastern<br><input type="radio"/> Central | Collection (comp begin or grab)<br>Date |
|---------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------|

|                               |                             |                  |  |
|-------------------------------|-----------------------------|------------------|--|
| Matrix (Salt, Fresh)<br>Fresh | Diss. Oxygen (mg/L)<br>6.12 | Sample Depts (m) |  |
|-------------------------------|-----------------------------|------------------|--|

|                   |            |                                  |
|-------------------|------------|----------------------------------|
| Temp (C)<br>27.99 | pH<br>6.89 | Sp. Conductance (umho/cm)<br>150 |
|-------------------|------------|----------------------------------|

|                        |          |
|------------------------|----------|
| Salinity (ppt)<br>0.07 | Comments |
|------------------------|----------|

|                                       |                                         |
|---------------------------------------|-----------------------------------------|
| Latitude (Decimal Degrees)<br>30.4804 | Longitude (Decimal Degrees)<br>-84.2982 |
|---------------------------------------|-----------------------------------------|

|                            |
|----------------------------|
| Bottle Group(s)<br>D, E, G |
|----------------------------|

|                               |
|-------------------------------|
| Bottle Group(s)<br>C, D, E, G |
|-------------------------------|

|                              |                          |                      |                          |                          |
|------------------------------|--------------------------|----------------------|--------------------------|--------------------------|
| Relinquished By: [Signature] | Date/Time: 6/27/17 14:25 | Number of Coolers: 5 | Received By: [Signature] | Date/Time: 6/22/12 14:30 |
|------------------------------|--------------------------|----------------------|--------------------------|--------------------------|

# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

## Central Lab Sample Submittal Form

Request Number: 2017-05-15-16  
 East Quincy, Tallahassee  
 Customer: WQ-ASSESS  
 Project ID: SMP

Requester: Curtis Musson  
 Collected By: Robert Musson, Robert W. W.

Field Report Prepared By: Robert W. W.  
 Sampling Agency: FDEP

STORER

Central Drainage  
 Ditch downstream  
 of Orange Ave.



STORER

Field ID: →  
 Central Drainage  
 Ditch downstream  
 of Orange Ave.  
 June 27, 2017  
 61WA0026\_06272017



61WA0026\_06272017

|                                          |                                 |         |                                 |          |
|------------------------------------------|---------------------------------|---------|---------------------------------|----------|
| <input type="checkbox"/> Comp            | Collection (comp begin or grab) | Eastern | Collection (comp begin or grab) | Bottle   |
| <input checked="" type="checkbox"/> Grab | Date 6/27/17 Time 13:45         | Central | Date                            | Group(s) |

|                      |                     |                  |                           |          |
|----------------------|---------------------|------------------|---------------------------|----------|
| Matrix (Salt, Fresh) | Diss. Oxygen (mg/L) | Sample Depts (m) | Sp. Conductance (umho/cm) | Bottle   |
| Fresh                | 10.08               | 0.15             | 212                       | Group(s) |

|          |      |                  |                           |          |
|----------|------|------------------|---------------------------|----------|
| Temp (C) | pH   | Sample Depts (m) | Sp. Conductance (umho/cm) | Bottle   |
| 29.67    | 7.95 | 0.15             | 212                       | Group(s) |

|                |          |                  |                           |          |
|----------------|----------|------------------|---------------------------|----------|
| Salinity (ppt) | Comments | Sample Depts (m) | Sp. Conductance (umho/cm) | Bottle   |
| 0.10           |          | 0.15             | 212                       | Group(s) |

|                            |                             |          |
|----------------------------|-----------------------------|----------|
| Latitude (Decimal Degrees) | Longitude (Decimal Degrees) | Bottle   |
| 30.4045                    | -84.5073                    | Group(s) |

|                               |                                 |         |                                 |          |
|-------------------------------|---------------------------------|---------|---------------------------------|----------|
| <input type="checkbox"/> Comp | Collection (comp begin or grab) | Eastern | Collection (comp begin or grab) | Bottle   |
| <input type="checkbox"/> Grab | Date                            | Central | Date                            | Group(s) |

|                      |                     |                  |                           |          |
|----------------------|---------------------|------------------|---------------------------|----------|
| Matrix (Salt, Fresh) | Diss. Oxygen (mg/L) | Sample Depts (m) | Sp. Conductance (umho/cm) | Bottle   |
|                      |                     |                  |                           | Group(s) |

|          |    |                  |                           |          |
|----------|----|------------------|---------------------------|----------|
| Temp (C) | pH | Sample Depts (m) | Sp. Conductance (umho/cm) | Bottle   |
|          |    |                  |                           | Group(s) |

|                |          |                  |                           |          |
|----------------|----------|------------------|---------------------------|----------|
| Salinity (ppt) | Comments | Sample Depts (m) | Sp. Conductance (umho/cm) | Bottle   |
|                |          |                  |                           | Group(s) |

|                            |                             |          |
|----------------------------|-----------------------------|----------|
| Latitude (Decimal Degrees) | Longitude (Decimal Degrees) | Bottle   |
|                            |                             | Group(s) |

|                               |                                 |         |                                 |          |
|-------------------------------|---------------------------------|---------|---------------------------------|----------|
| <input type="checkbox"/> Comp | Collection (comp begin or grab) | Eastern | Collection (comp begin or grab) | Bottle   |
| <input type="checkbox"/> Grab | Date                            | Central | Date                            | Group(s) |

|                      |                     |                  |                           |          |
|----------------------|---------------------|------------------|---------------------------|----------|
| Matrix (Salt, Fresh) | Diss. Oxygen (mg/L) | Sample Depts (m) | Sp. Conductance (umho/cm) | Bottle   |
|                      |                     |                  |                           | Group(s) |

|          |    |                  |                           |          |
|----------|----|------------------|---------------------------|----------|
| Temp (C) | pH | Sample Depts (m) | Sp. Conductance (umho/cm) | Bottle   |
|          |    |                  |                           | Group(s) |

|                |          |                  |                           |          |
|----------------|----------|------------------|---------------------------|----------|
| Salinity (ppt) | Comments | Sample Depts (m) | Sp. Conductance (umho/cm) | Bottle   |
|                |          |                  |                           | Group(s) |

|                            |                             |          |
|----------------------------|-----------------------------|----------|
| Latitude (Decimal Degrees) | Longitude (Decimal Degrees) | Bottle   |
|                            |                             | Group(s) |

Relinquished By: [Signature] Date/Time 6/27/17 14:35 Number of Coolers 5 Received By: [Signature] Date/Time 6/22/17 14:35

Field ID

STORER

Location

Field ID

STORER

Relinquished By: [Signature] Date/Time 6/27/17 14:35 Number of Coolers 5 Received By: [Signature] Date/Time 6/22/17 14:35

Cooler Packing Worksheet for Request: RQ-2017-05-15-16

East Quincy, Tallahassee

Ship Cooler On: 5/11/2017

Customer/Project: WQ-ASSESS/SMP

Assigned To: GREENWOO\_J

Requester: Curtis Musson

Priority: 3

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

Comments:

Group A: Freshwater Nutrient Kit With Metals  
Group B: Pesticides  
Group C: Freshwater Nutrient Kit  
Group D: E. coli  
Group E: Organics - Wastewater Tracers  
Group F: PCR-HF183  
Group G: PCR-FILTER

Packing Notes:

1 - case of sulfuric acid ✓

No FedEx labels needed, samples will be dropped off

Requested Analyses:

**Bottle Group: A**

**# of Sites: 2**

Container ID: P-1L

Qty: 2      Preservation: ICE

Lot # 00067591

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 # 1199138

Description: Brown Plastic Bottle 1L

**Analysis**

**Description**

**Container ID: P-500ML****Qty: 2    Preservation: HNO3****Lot #** 00067590**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 #** 00067590**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 #** 00067688**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: BG-1L****Qty: 4    Preservation: ICE****Lot #** 00067571**Description: Brown Glass Bottle 1L**

Affix BLUE dot to container.

**Analysis**

W-AHERB-AA

W-GLYPH

W-PYR-AA-R

W-SUC-AA-R

W-UHERB-AA

**Description**

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

Glyphosate in water matrices by HPLC/MS/MS

Pyraclostrobin in water matrices by HPLC/MS/MS

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

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

Container ID: BG-500ML

Qty: 6

Preservation: ICE

Lot # 00065730/1

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

00067107/5

Analysis

W-CT-CI-R

W-PCL-SQ-R

Description

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

Organochlorine pesticides in water matrices by GC/MS-SIM

Container ID: BG-1L

Qty: 6

Preservation: ICE

Lot # 00062571

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-PSNP-TQ

Description

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

Bottle Group: C

# of Sites: 7

Container ID: P-1L

Qty: 7

Preservation: ICE

Lot # 00067591

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 # 1199138

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-500ML

Qty: 7

Preservation: ICE And H2SO4

Lot # 00067590

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

Description

|          |                                                 |
|----------|-------------------------------------------------|
| W-NH3    | Ammonia in aqueous matrices as mg N/L           |
| W-NO2NO3 | Nitrite/Nitrate in aqueous matrices as mg N/L   |
| W-S-A-TP | Total Phosphorus in aqueous matrices as mg P/L  |
| W-TKN    | Total Kjeldahl Nitrogen in aqueous matrices     |
| W-TOC    | Nonpurgeable Organic Carbon in aqueous matrices |

Container ID: P-125ML

Qty: 7 Preservation: ICE-FLTR

Lot # 00067688

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Bottle Group: D

# of Sites: 9

Container ID: P-250ML-WO-THI

Qty: 9 Preservation: ICE

Lot # 47013

Description:

Analysis

ECOLI-18QT

Description

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

Bottle Group: E

# of Sites: 7

Container ID: BG-1L

Qty: 7 Preservation: ICE

Lot # 00067263

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-AHERB-AA

W-SUC-AA-R

W-UHERB-AA

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: F

# of Sites: 2

Container ID: QPCR-P-250ML

Qty: 4 Preservation: ICE

Lot # 00067460

Description:

Analysis

PCR-HF183

Description

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

Bottle Group: G

# of Sites: 6

Container ID: QPCR-P-250ML

Qty: 12 Preservation: ICE

Lot # 0067460

Description:

Analysis

PCR-FILTER

Description

Preparation of Samples by Filtration and held for qPCR Analysis

Cooler Packed By: J.O. Date: 5/9/17

DEP Cooler ID #(s): 7

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 Exp. 4/3/18 Lot # SA 7093010  
ID \_\_\_\_\_ Lot # \_\_\_\_\_  
ID \_\_\_\_\_ Lot # \_\_\_\_\_  
ID \_\_\_\_\_ Lot # \_\_\_\_\_

**PLEASE RETURN ALL COOLERS FOR RQ-2017-05-15-16**