



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

June 2016

PAGE 1 OF 9

Data Qualified?  
Yes / No

STORET Station Name: Upper Dianne Lake Middle

Date: 10/10/2016

(mm/dd/yyyy)

STORET Station ID: G1WA0041

WBID: 546B

Latitude: 30.59986

(Decimal Degrees)

County: Leon

RQ - 2016-10-10-34

ORG ID: 21FLWQA

Longitude: -84.23778

(Decimal Degrees)

Receiving Body of Water: LAKE MONKEY BUSINESS

Field ID: G1WA0041\_10102016

| Sampling Team Members                                       |      |                                                                                                                                                                                                                        |                 | WQ Measurements             | Sample Collection | Documentation                                                                     | Preservation   | Preservation Check                                                                              | Sampling Equipment                                   |                                                 |                               |  |
|-------------------------------------------------------------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------------|-------------------|-----------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------|-------------------------------|--|
| Robert Wiwi                                                 |      |                                                                                                                                                                                                                        |                 |                             |                   |                                                                                   |                |                                                                                                 | <input checked="" type="checkbox"/> Sample Container | <input type="checkbox"/> Van Dorn               | <input type="checkbox"/> Pole |  |
| Colby Marshall                                              |      |                                                                                                                                                                                                                        |                 |                             |                   |                                                                                   |                |                                                                                                 | <input type="checkbox"/> Carboy                      | <input type="checkbox"/> Syringe                |                               |  |
|                                                             |      |                                                                                                                                                                                                                        |                 |                             |                   |                                                                                   |                |                                                                                                 | <input type="checkbox"/> Dipper                      | <input type="checkbox"/> Other                  |                               |  |
|                                                             |      |                                                                                                                                                                                                                        |                 |                             |                   |                                                                                   |                |                                                                                                 | Equipment ID                                         |                                                 |                               |  |
|                                                             |      |                                                                                                                                                                                                                        |                 |                             |                   |                                                                                   |                |                                                                                                 | Collection Method                                    |                                                 |                               |  |
|                                                             |      |                                                                                                                                                                                                                        |                 |                             |                   |                                                                                   |                |                                                                                                 | <input type="checkbox"/> Wading                      | <input checked="" type="checkbox"/> Via Boat    |                               |  |
|                                                             |      |                                                                                                                                                                                                                        |                 |                             |                   |                                                                                   |                |                                                                                                 | <input type="checkbox"/> From Shore                  | <input checked="" type="checkbox"/> Canoe/Kayak |                               |  |
|                                                             |      |                                                                                                                                                                                                                        |                 |                             |                   |                                                                                   |                |                                                                                                 | <input type="checkbox"/> Other (note below)          | <input type="checkbox"/> Electric Motor         |                               |  |
|                                                             |      |                                                                                                                                                                                                                        |                 |                             |                   |                                                                                   |                |                                                                                                 | <input 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                                                         | 1015 | 0.3                                                                                                                                                                                                                    | 1.4             | 7.9                         | 96                | 7.2                                                                               | 0.02           | 1.1                                                                                             | 49                                                   | 25.1                                            |                               |  |
| CEN                                                         |      |                                                                                                                                                                                                                        |                 |                             |                   |                                                                                   |                |                                                                                                 |                                                      |                                                 |                               |  |
| Biological Samples Collected: None HA SCI LVS RPS LVI Other |      |                                                                                                                                                                                                                        |                 |                             |                   |                                                                                   |                |                                                                                                 |                                                      |                                                 |                               |  |
| Parameter Suite                                             |      | Parameter Methods                                                                                                                                                                                                      |                 |                             |                   | Preservation                                                                      |                | Acid Lot#                                                                                       | Expiration                                           | pH Check                                        |                               |  |
| Preserved Nutrients                                         |      | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                                                                                                                        |                 |                             |                   | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4 |                | SA-6209120                                                                                      | 7/27/12                                              | <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 type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                                     |                 |                             |                   | <input checked="" type="checkbox"/> Ice                                           |                | <div>Contains 1:1 Sulfuric Acid<br/>SA-6209120<br/>EXP: 07/27/12<br/>Warning!<br/>See SDS</div> |                                                      |                                                 |                               |  |
| Chlorophyll                                                 |      | <input 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                                                      |                |                                                                                                 |                                                      |                                                 |                               |  |
| 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"/> Enterococcus <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 <input type="checkbox"/> Other                       |                |                                                                                                 |                                                      |                                                 |                               |  |

Notes:



G1WA0041 10 Oct 2016

Upper Dianne Lake Middle

Signature:

Date:

10/10/16

Field Parameters Entered into LIMS:

(Initials/Date)

Field Parameters QC in LIMS:

(Initials/Date)

Date Migrated to STORET:

(Initials/Date)

Field Sheets Scanned/Saved:

(Initials/Date)

# QA/QC Sample Information

## Duplicate

| <b>Time Zone:</b> EST CEN   |                                                                                                                                                                                                                        | <b>Sample Depth (m):</b> _____                                                       |                                                      | <b>Field ID:</b> _____ |                              |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------|------------------------|------------------------------|
| <b>Time:</b> _____          |                                                                                                                                                                                                                        | <b>Total Depth (m):</b> _____                                                        |                                                      |                        |                              |
| 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"/> Enteroc <input type="checkbox"/> QPCR                                                                                         | <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-PC-AA-SF <input type="checkbox"/> W-UHERB-AA <input type="checkbox"/> W-GLYPH | <input type="checkbox"/> Ice<br><input type="checkbox"/> Other                       |                                                      |                        |                              |
|                             |                                                                                                                                                                                                                        |                                                                                      |                                                      |                        |                              |

## Blank

| <b>Time Zone:</b> (EST) CEN                                                                                                                     |                                                                                                                                                                                                                        | <b>Time:</b> 0910                                                                                          | <b>Field ID:</b> G1WAO036B-10102016                  | <b>Location:</b> Lake Monkey Business |                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|------------------------------------------------------|---------------------------------------|-----------------------------------------|
| <input checked="" type="checkbox"/> Field Blank <input type="checkbox"/> Equipment Blank <input type="checkbox"/> Field Cleaned Equipment Blank |                                                                                                                                                                                                                        | <b>Equipment ID:</b> _____                                                                                 |                                                      |                                       |                                         |
| 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> | SA-620920                                            | 7/27/17                               | <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 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"/> Enteroc <input type="checkbox"/> QPCR                                                                                         | <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-PC-AA-SF <input type="checkbox"/> W-UHERB-AA <input type="checkbox"/> W-GLYPH | <input type="checkbox"/> Ice<br><input type="checkbox"/> Other                                             |                                                      |                                       |                                         |
|                                                                                                                                                 |                                                                                                                                                                                                                        |                                                                                                            |                                                      |                                       |                                         |

## Notes:

|                                                                                                       |  |                                                                                                                                                                          |  |
|-------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <div style="border: 1px solid black; height: 100px; width: 100%;"></div>                              |  | <div style="border: 1px solid black; height: 100px; width: 100%; text-align: center; vertical-align: middle;"> <b>Place Label Here</b><br/>(If Available)         </div> |  |
|                                                                                                       |  |                                                                                                                                                                          |  |
| <b>Signature:</b>  |  | <b>Date:</b> 10/10/16                                                                                                                                                    |  |

Field Parameters Entered into LIMS: \_\_\_\_\_ (Initials/Date)      Field Parameters QC in LIMS: \_\_\_\_\_ (Initials/Date)

Date Migrated to STORET: \_\_\_\_\_ (Initials/Date)      Field Sheets Scanned/Saved: \_\_\_\_\_ (Initials/Date)

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

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

Meter **Biology 2**

RQ- **2016-10-10-34**

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 **09/23/2016**

| 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.            | Robert Wini | 10/10/16 | 0748       | 21.0 | 20.87           | 29.37           | 8.9  | 100          | 39.0       | 101         | P L         |
| ICV                | Robert Wini | 10/10/16 | 0750       | 20.9 | 8.9             | 8.9             | 100  | 39.0         | —          | P           | L           |
| CCV                | Robert Wini | 10/10/16 | 1520       | 21.0 | 8.9             | 8.7             | 97   | 38.0         | —          | 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.             | Robert Wini | 10/10/16 | 0755       | 160330D | 4/17        | 1000                   | 1000                        | P           | L           |
| ICV                 | Robert Wini | 10/10/16 | 0756       | 2S10F25 | 10/17       | 100                    | 100                         | P           | L           |
| CCV                 | Robert Wini | 10/10/16 | 1523       | 2S10F25 | 10/17       | 100                    | 100                         | 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.            | Robert Wini | 10/10/16 | 0758       | 160330B | 10/17       | 7.0          | 7.0              | -25.5  | P           | L           |
| Calibr.            | Robert Wini | 10/10/16 | 0759       | 160330A | 4/17        | 4.0          | 4.0              | 153.1  | P           | L           |
| Calibr.            | Robert Wini | 10/10/16 | 0800       | 160330C | 10/17       | 10.0         | 10.0             | -192.6 | P           | L           |
| ICV                | Robert Wini | 10/10/16 | 0805       | 160330C | 10/17       | 10.0         | 10.0             | -192.6 | P           | L           |
| CCV                | Robert Wini | 10/10/16 | 1525       | 160330A | 4/17        | 4.0          | 4.0              | 152.1  | 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

# Florida Department of Environmental Protection

## Central Laboratory Submittal Form

Customer: WQAP

Requester: Benjamin Ralys

Field Report Prepared By:

Project ID: SMP

Collected By:

Robert Wiwi, Colby Marshall

Sampling Agency:

FDEP

|          |                   |                                       |           |                                 |      |          |          |               |     |                           |    |
|----------|-------------------|---------------------------------------|-----------|---------------------------------|------|----------|----------|---------------|-----|---------------------------|----|
| Location |                   | Lower Dianne Lake Middle              |           | Collection (comp begin or grab) |      | Time     |          | Composite end |     | Bottle Group(s)           |    |
| Field ID | G1WA0040_10102016 | Matrix (type, e.g., Salt, Fresh, etc) | Fresh     | Comp                            | Grab | Date     | 10/10/16 | Diss. Oxygen  | 8.2 | Total Res. Chlorine       | A  |
| STORET # | G1WA0040          | Temp (C)                              | 25.9      | Temp                            |      | pH       | 7.7      | Sample Depth  | 0.3 | Sp. Conductance (umho/cm) | 73 |
| Latitude | 30.59355          | Longitude                             | -84.23534 | Salinity (ppt)                  | 0.03 | Comments |          |               |     |                           |    |
| Location |                   | Petty Gulf Lake Middle                |           | Collection (comp begin or grab) |      | Time     |          | Composite end |     | Bottle Group(s)           |    |
| Field ID | G1WA0022_10102016 | Matrix (type, e.g., Salt, Fresh, etc) | Fresh     | Comp                            | Grab | Date     | 10/10/16 | Diss. Oxygen  | 8.4 | Total Res. Chlorine       | A  |
| STORET # | G1WA0022          | Temp (C)                              | 25.7      | Temp                            |      | pH       | 7.7      | Sample Depth  | 0.3 | Sp. Conductance (umho/cm) | 57 |
| Latitude | 30.58915          | Longitude                             | -84.22637 | Salinity (ppt)                  | 0.03 | Comments |          |               |     |                           |    |
| Location |                   | Pine Hill Lake Middle                 |           | Collection (comp begin or grab) |      | Time     |          | Composite end |     | Bottle Group(s)           |    |
| Field ID | G1WA0054_10102016 | Matrix (type, e.g., Salt, Fresh, etc) | Fresh     | Comp                            | Grab | Date     | 10/10/16 | Diss. Oxygen  | 8.4 | Total Res. Chlorine       | A  |
| STORET # | G1WA0054          | Temp (C)                              | 25.5      | Temp                            |      | pH       | 7.6      | Sample Depth  | 0.3 | Sp. Conductance (umho/cm) | 46 |
| Latitude | 30.58492          | Longitude                             | -84.2195  | Salinity (ppt)                  | 0.02 | Comments |          |               |     |                           |    |
| Location |                   | Lake Tom John Middle                  |           | Collection (comp begin or grab) |      | Time     |          | Composite end |     | Bottle Group(s)           |    |
| Field ID | G1WA0043_10102016 | Matrix (type, e.g., Salt, Fresh, etc) | Fresh     | Comp                            | Grab | Date     | 10/10/16 | Diss. Oxygen  | 8.3 | Total Res. Chlorine       | A  |
| STORET # | G1WA0043          | Temp (C)                              | 25.8      | Temp                            |      | pH       | 7.3      | Sample Depth  | 0.3 | Sp. Conductance (umho/cm) | 65 |
| Latitude | 30.54484          | Longitude                             | -84.21478 | Salinity (ppt)                  | 0.03 | Comments |          |               |     |                           |    |

|                            |           |          |              |     |           |                 |
|----------------------------|-----------|----------|--------------|-----|-----------|-----------------|
| Relinquished By:           | Date/Time | 10/10/16 | Received By: | MRB | Date/Time | 10/10/16/2:58pm |
| Number of Coolers Shipped: |           |          |              |     |           |                 |

**Florida Department of Environmental Protection**  
**Central Laboratory Submittal Form**

Customer: WQAP

Project ID: SMP

Requester: Benjamin Ralys

Collected By:

Robert Wiwi, Colby Marshall

Field Report Prepared By:

Robert Wiwi

Sampling Agency:

FDEP

|                                             |  |                                                            |  |                        |  |                                    |  |
|---------------------------------------------|--|------------------------------------------------------------|--|------------------------|--|------------------------------------|--|
| Location<br>Lake Monkey Business Middle     |  | Collection (comp begin or grab)<br>Date 10/10/16 Time 0930 |  | Composite end<br>Date  |  | Bottle Group(s)<br>(See pg 2)      |  |
| Field ID<br>G1WA0036-10102016               |  | Matrix (type, e.g., Salt, Fresh, etc)<br>Fresh             |  | Diss. Oxygen<br>8.0    |  | Total Res. Chlorine<br>(mg/L)      |  |
| STORET #<br>G1WA0036                        |  | Temp (C)<br>25.5                                           |  | pH<br>7.1              |  | Sample Depth<br>0.3                |  |
| Latitude<br>30.60779                        |  | Longitude<br>-84.23076                                     |  | Salinity (ppt)<br>0.02 |  | Sp. Conductance<br>(umho/cm)<br>56 |  |
| Location<br>Lake Monkey Business Middle DUP |  | Collection (comp begin or grab)<br>Date 10/10/16 Time 0930 |  | Composite end<br>Date  |  | Bottle Group(s)<br>(See pg 2)      |  |
| Field ID<br>G1WA0036D-10102016              |  | Matrix (type, e.g., Salt, Fresh, etc)<br>Fresh             |  | Diss. Oxygen<br>8.0    |  | Total Res. Chlorine<br>(mg/L)      |  |
| STORET #<br>G1WA0036                        |  | Temp (C)<br>25.5                                           |  | pH<br>7.1              |  | Sample Depth<br>0.3                |  |
| Latitude<br>30.60779                        |  | Longitude<br>-84.23076                                     |  | Salinity (ppt)<br>0.02 |  | Sp. Conductance<br>(umho/cm)<br>56 |  |
| DUPLICATE                                   |  |                                                            |  |                        |  |                                    |  |
| Location<br>Lake Monkey Business            |  | Collection (comp begin or grab)<br>Date 10/10/16 Time 0910 |  | Composite end<br>Date  |  | Bottle Group(s)<br>(See pg 2)      |  |
| Field ID<br>G1WA0036B-10102016              |  | Matrix (type, e.g., Salt, Fresh, etc)<br>D.I. Water        |  | Diss. Oxygen<br>—      |  | Total Res. Chlorine<br>(mg/L)      |  |
| STORET #<br>—                               |  | Temp (C)<br>—                                              |  | pH<br>—                |  | Sample Depth<br>—                  |  |
| Latitude<br>—                               |  | Longitude<br>—                                             |  | Salinity (ppt)<br>—    |  | Sp. Conductance<br>(umho/cm)<br>—  |  |
| FIELD BLANK                                 |  |                                                            |  |                        |  |                                    |  |
| Location<br>Upper Dianne Lake Middle        |  | Collection (comp begin or grab)<br>Date 10/10/16 Time 1015 |  | Composite end<br>Date  |  | Bottle Group(s)<br>(See pg 2)      |  |
| Field ID<br>G1WA0041-10102016               |  | Matrix (type, e.g., Salt, Fresh, etc)<br>Fresh             |  | Diss. Oxygen<br>7.9    |  | Total Res. Chlorine<br>(mg/L)      |  |
| STORET #<br>G1WA0041                        |  | Temp (C)<br>25.1                                           |  | pH<br>7.2              |  | Sample Depth<br>0.3                |  |
| Latitude<br>30.59986                        |  | Longitude<br>-84.23778                                     |  | Salinity (ppt)<br>0.02 |  | Sp. Conductance<br>(umho/cm)<br>49 |  |

Relinquished By:



Date/Time

10/10/16

Shipping Method

Number of Coolers Shipped:

Received By:

MB

Date/Time

10/10/16/2:58pm

Cooler Packing Worksheet for Request: RQ-2016-10-10-34

Killearn Lakes Chain of Lakes

Ship Cooler On: 9/26/2016

Customer/Project: WQAP/SMP

Requester: Benjamin Ralys

Priority: 3

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

Comments:

Bottle Group A: freshwater kit no metals

Bottle Group B: Field Blank

Bottle Group C: Duplicate

3 - liters of DI water

1 - case of Sulfuric Acid

Requested Analyses:

**Bottle Group: A**

**# of Sites: 9**

Container ID: P-1L

Qty: 9      Preservation: ICE

Lot # 00064523

Description: Plastic Bottle 1L

**Analysis**

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

W-TDS

W-TSS

**Description**

Alkalinity in aqueous matrices as mg CaCO<sub>3</sub>/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)

Total Dissolved Solids in aqueous matrices

Total Suspended Solids in aqueous matrices

Container ID: BP-1L

Qty: 9      Preservation: ICE

Lot # 1170333

Description: Brown Plastic Bottle 1L

**Analysis**

CHLSUITE-W

**Description**

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

Container ID: P-500ML

Qty: 9 Preservation: ICE And H2SO4

Lot # 00065372

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: 9 Preservation: ICE-FLTR

Lot # 00065090

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: 1**

Container ID: P-1L

Qty: 1 Preservation: ICE

Lot # 00064523

Description: Plastic Bottle 1L

**Analysis**

ALKALINITY  
TURBIDITY  
W-CL-IC  
W-COLOR  
W-F  
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)  
Total Dissolved Solids in aqueous matrices  
Total Suspended Solids in aqueous matrices

Container ID: BP-1L

Qty: 1 Preservation: ICE

Lot # 1170333

Description: Brown Plastic Bottle 1L

**Analysis**

CHLSUITE-W

**Description**

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

Container ID: P-500ML

Qty: 1 Preservation: ICE And H2SO4

Lot # 000 65372

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3  
W-NO2NO3  
W-S-A-TP  
W-TKN  
W-TOC

Description

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

Container ID: P-125ML

Qty: 1 Preservation: ICE-FLTR

Lot # 000 65393

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Bottle Group: C

# of Sites: 1

Container ID: P-1L

Qty: 1 Preservation: ICE

Lot # 000 62523

Description: Plastic Bottle 1L

Analysis

ALKALINITY  
TURBIDITY  
W-CL-IC  
W-COLOR  
W-F  
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)  
Total Dissolved Solids in aqueous matrices  
Total Suspended Solids in aqueous matrices

Container ID: BP-1L

Qty: 1 Preservation: ICE

Lot # 1170333

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-500ML

Qty: 1

Preservation: ICE And H2SO4

Lot # 00065372

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

Description

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 1

Preservation: ICE-FLTR

Lot # 00065393

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Cooler Packed By: APB

Date: 10/4/16

DEP Cooler ID #(s): 4

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 <u>H2SO4 11-727-17</u> | Lot # <u>SA6209120</u> |
| ID _____                  | Lot # _____            |
| ID _____                  | Lot # _____            |
| ID _____                  | Lot # _____            |
| ID _____                  | Lot # _____            |

**PLEASE RETURN ALL COOLERS FOR RQ-2016-10-10-34**