

# FDEP South Regional Operations Center

PO Box 2549

Fort Myers, Florida 33902

(239) 344-5600

Revised 04/15/2015

SAMPLING DATE:

2016-10-03-08

B: C: F: SIM:

B: C: F: SIM:

B: C: F: SIM:

Project ID (circle one) SMP PRAIRIE CALOOSA FLATWOOD Other Stuckey's Algae

Sampled by {Team Names} and Initials

Kathy Miller KW  
Corey Anderson CA

Report Prepared by KW

Sample Depth (m) 0.3

Collection Method (circle one)

Grab Composite

Composite Date/Time

Start \_\_\_\_\_ Finish \_\_\_\_\_

Preservation Check (see back also)

Preservative in bottles

[Y/N] Initials

y CA

y CA

y CA

y \_\_\_\_\_

Ice

Nutrients - 1 mL 1:1 H<sub>2</sub>SO<sub>4</sub> per 500 mL

Metals - 1 mL 1:1 HNO<sub>3</sub> per 500 mL

PO<sub>4</sub> - Filter

Other \_\_\_\_\_

Field Measurement Instruments ID:

YSI ID \_\_\_\_\_ Date/Time/Initial

5 Calibrated 10/19/16 7:15 CA

5 Cal. Check 10/19/16 1545 CA

Calibrated \_\_\_\_\_

Cal. Check \_\_\_\_\_

Cal Check Passing? [Y/N] y

Sampling device: (circle one) Container Bucket Van Dorn Pump Dipper Other (Specify in Remarks)

Equipment Construction: (circle one) Plastic Glass Other (Specify in Remarks)

Boat: (circle one) Motor Paddles/Oars Trolling Motor Other (Specify in Remarks)

Remarks: Angler

## Value Qualifiers:

J - Estimated Value

K - Actual value is known to be less than value given

R - Significant rain in the past 48 hrs (excess of 1/2" within the past 48 h S - Actual value is known to be greater

Record all GPS Readings in Decimal Degree Format

D - Measurement was made in the field

A - Value reported is the mean of two or more determinations

Flow Severity: (circle one) High, Normal, Low, Pooled, or Dry



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| WBID#<br>RQ#      | Field ID<br>Location/Name | PARAMETER | TIME           | ANALYST<br>(Initials) | Sample<br>Depth | TEMP<br>EPA170.1 | DO<br>SM4500.OG | %SAT DO<br>SM4500.OG | COND<br>EPA120.1 | PH<br>EPA150.1 | Secchi<br>DEPSOP001<br>/01 | Total<br>Depth | Matrix         |
|-------------------|---------------------------|-----------|----------------|-----------------------|-----------------|------------------|-----------------|----------------------|------------------|----------------|----------------------------|----------------|----------------|
| STORET #          | Collection date           | UNIT      | hr:min         |                       | meters          | °C               | mg/L            | %                    | µS/cm            | su             | meters                     | meters         | Fresh/S<br>alt |
| Fi                | RQ-2016-10-03-08          |           | 11:22          | CA                    | 0.3             | 25.4             | 7.9             | 96                   | 103              | 7.2            | 0.8                        | 1.7            | Fresh          |
| L                 | 10/19/2016                | G4SD0151  |                |                       |                 |                  |                 |                      |                  |                |                            |                |                |
| S                 | Lake Istokpoga            |           | Bottom if >1.5 | RW                    | 1.2             | 25.3             | 7.8             | 95                   | 102              | 7.0            |                            |                |                |
| C                 | Algae NE                  | G4SD0151  |                |                       |                 |                  |                 |                      |                  |                |                            |                |                |
| Field Conditions: |                           |           |                |                       |                 |                  |                 |                      |                  |                |                            |                |                |
| Fi                | RQ-2016-10-03-08          |           | 11:00          | CA                    | 0.3             | 25.6             | 7.6             | 94                   | 104              | 7.3            | 0.6                        | 2.4            | Fresh          |
| L                 | 10/19/2016                | G4SD0152  |                |                       |                 |                  |                 |                      |                  |                |                            |                |                |
| S                 | Lake Istokpoga            |           | Bottom if >1.5 | RW                    | 1.9             | 25.3             | 6.8             | 82                   | 104              | 6.7            |                            |                |                |
| C                 | Algae NW                  | G4SD0152  |                |                       |                 |                  |                 |                      |                  |                |                            |                |                |
| Field Conditions: |                           |           |                |                       |                 |                  |                 |                      |                  |                |                            |                |                |
| Fi                | RQ-2016-10-03-08          |           | 12:15          | CA                    | 0.3             | 26.0             | 8.8             | 109                  | 106              | 7.7            | 0.5                        | 2.5            | Fresh          |
| L                 | 10/19/2016                | G4SD0153  |                |                       |                 |                  |                 |                      |                  |                |                            |                |                |
| S                 | Lake Istokpoga            |           | Bottom if >1.5 | RW                    | 2.0             | 26.0             | 7.5             | 90                   | 106              | 7.3            |                            |                |                |
| C                 | Algae S                   | G4SD0153  |                |                       |                 |                  |                 |                      |                  |                |                            |                |                |
| Field Conditions: |                           |           |                |                       |                 |                  |                 |                      |                  |                |                            |                |                |
| Fi                | RQ-2016-10-03-08          |           | 12:00          | CA                    | 0.3             | 25.4             | 8.4             | 101                  | 106              | 7.6            | 0.6                        | 2.1            | Fresh          |
| L                 | 10/19/2016                | G4SD0154  |                |                       |                 |                  |                 |                      |                  |                |                            |                |                |
| S                 | Lake Istokpoga            |           | Bottom if >1.5 | RW                    | 1.6             | 25.3             | 7.9             | 95                   | 106              | 7.3            |                            |                |                |
| C                 | Algae SE                  | G4SD0154  |                |                       |                 |                  |                 |                      |                  |                |                            |                |                |
| Field Conditions: |                           |           |                |                       |                 |                  |                 |                      |                  |                |                            |                |                |
| Comments:         |                           |           |                |                       |                 |                  |                 |                      |                  |                |                            |                |                |

Flow Severity: (circle one) High, Normal, Low, Pooled, or Dry



**FDEP South District**

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10-19-16

SAMPLING DATE:

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| WBID#<br>RQ#                          | Field ID<br>Location/Name   | PARAMETER            | DATE / TIME  | ANALYST<br>(Initials) | Sample<br>Depth | TEMP<br>EPA170.1 | DO<br>SM4500.OG | %SAT DO<br>SM4500.OG | COND<br>EPA120.1 | PH<br>EPA150.1 | Secchi<br>DEPSOP001/<br>01 | Total<br>Depth | Matrix         |
|---------------------------------------|-----------------------------|----------------------|--------------|-----------------------|-----------------|------------------|-----------------|----------------------|------------------|----------------|----------------------------|----------------|----------------|
| STORET #                              | Collection date             | UNIT                 | dd/mm/<br>yy | hr:min                | Feet            | °C               | mg/L            | %                    | µS/cm            | su             | meter                      | meter          | Fresh/S<br>alt |
| F RQ-2016-10-03-08<br>L 10/19/2016    | Lake Istokpoga<br>Algae W   | G4SD0155<br>Field ID | 10/19/16     | CA                    | 0.3             | 25.4             | 8.4             | 100                  | 105              | 7.4            | 0.6                        | 1.6            | Fresh          |
| S Lake Istokpoga<br>C Algae W         |                             | G4SD0155<br>STORET   | 10:42        | KN                    | 1.0             | 25.3             | 8.3             | 96                   | 105              | 7.3            |                            |                |                |
| Field Conditions: pH<2.0 (circle) Y/N |                             |                      |              |                       |                 |                  |                 |                      |                  |                |                            |                |                |
| F RQ-2016-10-03-08<br>L 10/19/2016    | Lake Istokpoga<br>Algae CEN | G4SD0156<br>Field ID | 1140         | CA                    | 0.3             | 25.5             | 8.5             | 103                  | 104              | 7.4            | 0.6                        | 1.5            | Fresh          |
| S Lake Istokpoga<br>C Algae CEN       |                             | G4SD0156<br>STORET   |              | KN                    |                 |                  |                 |                      |                  |                |                            |                |                |
| Field Conditions: pH<2.0 (circle) Y/N |                             |                      |              |                       |                 |                  |                 |                      |                  |                |                            |                |                |
| Field ID:                             |                             |                      |              |                       |                 |                  |                 |                      |                  |                |                            |                |                |
| Location:                             |                             |                      |              |                       |                 |                  |                 |                      |                  |                |                            |                |                |
| STORET #:                             |                             |                      |              |                       |                 |                  |                 |                      |                  |                |                            |                |                |
| Collection Date:                      |                             |                      |              |                       |                 |                  |                 |                      |                  |                |                            |                |                |
| Field Conditions: pH<2.0 (circle) Y/N |                             |                      |              |                       |                 |                  |                 |                      |                  |                |                            |                |                |
| Field ID:                             |                             |                      |              |                       |                 |                  |                 |                      |                  |                |                            |                |                |
| Location:                             |                             |                      |              |                       |                 |                  |                 |                      |                  |                |                            |                |                |
| STORET #:                             |                             |                      |              |                       |                 |                  |                 |                      |                  |                |                            |                |                |
| Collection Date:                      |                             |                      |              |                       |                 |                  |                 |                      |                  |                |                            |                |                |
| Field Conditions: pH<2.0 (circle) Y/N |                             |                      |              |                       |                 |                  |                 |                      |                  |                |                            |                |                |
| Comments:                             |                             |                      |              |                       |                 |                  |                 |                      |                  |                |                            |                |                |

Sample collected by: CA

pH&lt;2.0 (circle) Y/N

Sample collected by: CA

pH&lt;2.0 (circle) Y/N

Sample collected by:

pH&lt;2.0 (circle) Y/N

Sample collected by:

Sample collected by:

Revised June 21, 2011



# 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 page.

Meter ID:

15

Project:

Istokpoga Algae

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 10/13/16

| DO DEP SOP FT 1500 | Name           | Date     | Time (ET) | Temp. (°C) | D.O. Chart mg/L | Meter D.O. mg/L | % DO | Probe Charge | Probe Gain | Pass / Fail | Lab / Field |
|--------------------|----------------|----------|-----------|------------|-----------------|-----------------|------|--------------|------------|-------------|-------------|
| Calibr.            | Corey Anderson | 10/19/16 | 715       | 24.0       | 8.4             | 8.4             | 100  |              |            | P F         | L F         |
| ICV                | Corey Anderson | 10/19/16 | 720       | 23.9       | 8.4             | 8.4             | 100  | -129         |            | P F         | L F         |
| CCV                | Corey Anderson | 10/19/16 | 1545      | 23.9       | 8.5             | 8.6             | 102  |              |            | P F         | L F         |
| CCV                |                |          |           |            |                 |                 |      |              |            | P F         | L F         |

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 (ET) | Lot #   | Expir. Date | Standard $\mu$ mhos/cm | Meter Reading $\mu$ mhos/cm | Pass / Fail | Lab / Field |
|---------------------|----------------|----------|-----------|---------|-------------|------------------------|-----------------------------|-------------|-------------|
| Calibr.             | Corey Anderson | 10/19/16 | 725       | 160418A | 4/17        | 1000                   | 1000                        | P F         | L F         |
| ICV                 | Corey Anderson | 10/19/16 | 727       | 160823B | 4/17        | 100                    | 99                          | P F         | L F         |
| CCV                 | Corey Anderson | 10/19/16 | 1547      | 160823A | 9/17        | 1000                   | 1040                        | P F         | L F         |
| CCV                 |                |          |           |         |             |                        |                             | P F         | L F         |

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

Conductivity Acceptance criteria  $\pm 5\%$

| pH DEP SOP FT 1100 | Name           | Date     | Time (ET) | Lot #  | Expir. Date | pH Buffer SU | Meter reading SU | mV   | Pass / Fail | Lab / Field |
|--------------------|----------------|----------|-----------|--------|-------------|--------------|------------------|------|-------------|-------------|
| Calibr.            | Corey Anderson | 10/19/16 | 734       | 161456 | 4/18        | 7.0          | 7.0              | -16  | P F         | L F         |
| Calibr.            | "              | 10/19/16 | 737       | 161523 | 3/18        | 4.0          | 4.0              |      | P F         | L F         |
| Calibr.            | "              | 10/19/16 | 739       | 163619 | 6/18        | 10.0         | 10.0             | -191 | P F         | L F         |
| ICV                | "              | 10/19/16 | 740       | 163619 | 6/18        | 10.0         | 10.0             | -191 | P F         | L F         |
| CCV                | Corey Anderson | 10/19/16 | 1549      | 161523 | 3/18        | 4.0          | 4.1              | 156  | P F         | L F         |
| CCV                |                |          |           |        |             |              |                  |      | P F         | L F         |

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

Notes: