



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

June 2016

PAGE 1 OF 8

Data Qualified?

Yes / No

STORET Station Name: Ochlockonee River Upstream of SR 12

Date: 7/6/2016

(mm/dd/yyyy)

STORET Station ID: G1WA0038

WBID: 1297F

Latitude: 30.67062

(Decimal Degrees)

County: Gadsden

RQ - 2016-07-04-30

ORG ID: 21FLWQA

Longitude: -84.30511

(Decimal Degrees)

Receiving Body of Water: Gulf Of Mexico

Field ID: G1WA0038

## Sampling Team Members

Ben Ralys

Justin Wallheiser

## Sampling Equipment

- ☐ Sample Container ☐ Van Dorn ☐ Pole  
☐ Carboy ☒ Syringe  
☐ Dipper ☐ Other

Equipment ID

## Collection Method

- ☐ Wading ☐ Via Boat  
☐ From Shore ☐ Canoe/Kayak  
☐ Other (note below) ☐ Electric Motor  
☒ 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 (umhos/cm) | Temp. (C°) |
|-----------|------|------------------|-----------------|-----------|-----------|------|----------------|-----------------|--------------------|------------|
| EST       | 1:50 | 0.3              | 2.0             | 6.29      | 81.9      | 6.87 | 0.04           | 0.6             | 90                 | 29.06      |
| CEN       | 1:55 | 1.9              |                 | 6.27      | 81.7      | 6.86 | 0.04           |                 | 90                 | 29.07      |

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 type="checkbox"/> H2SO4           | 6133010   | 5/12/17    | <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 | 5259030   | 9/16/16    | <input checked="" type="checkbox"/> <2 |
| Filtered Nutrients          | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 um Filter                                                                                                          | <input type="checkbox"/> Ice                                                     |           |            |                                        |
| Chlorophyll                 | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                                         | <input 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 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"/> Enteroc <input type="checkbox"/> QPCR                                                                                         | <input type="checkbox"/> Ice                                                     |           |            |                                        |
| Periphyton                  | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                                      | <input type="checkbox"/> Ice                                                     |           |            |                                        |
| Pesticides                  | <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-AHERB-AA <input type="checkbox"/> W-PYR-AA-R<br><input type="checkbox"/> W-PC-AA-SF <input type="checkbox"/> W-UHERB-AA <input type="checkbox"/> W-GLYPH | <input type="checkbox"/> Ice<br><input type="checkbox"/> Other                   |           |            |                                        |

## Notes:

SBio: 76449

RPS: 8189

Macrophyte 2m<sup>2</sup>



G1WA0038 6 July 2016

Ochlockonee River upstream of SR 12

Signature:

Date:

7/6/16

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)

# DEP FORM FD 9000-32: LINEAR VEGETATION SURVEY FIELD SHEET

Waterbody: Ochlocknee River upstream of SR17 Date: 7/6/16 County: Gadsden Storet Number: G1WA0038  
Analyst: Ben Roby Signature: Ben Roby

Comments: SMP Sampling

Instructions: Note taxa growing in the water with a checkmark if present, "D" if dominant, and "C" if codominant (dominance only if 1 m<sup>2</sup> of taxa present). Note in the boxes below if no dominant are selected, and note total macrophyte abundance rank for each section. Only the most common taxa are listed, so use blank spaces for additional taxa names.

| HERBACEOUS SPECIES                                             | Meter Mark |       |       |       |       |       |       |       |       |        | Specimen collected (check) | HERBACEOUS SPECIES                   | Meter Mark |       |       |       |       |       |       |       |       |        | Specimen collected (check) |
|----------------------------------------------------------------|------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|----------------------------|--------------------------------------|------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|----------------------------|
|                                                                | 0-10       | 10-20 | 20-30 | 30-40 | 40-50 | 50-60 | 60-70 | 70-80 | 80-90 | 90-100 |                            |                                      | 0-10       | 10-20 | 20-30 | 30-40 | 40-50 | 50-60 | 60-70 | 70-80 | 80-90 | 90-100 |                            |
| Alternanthera philoxeroides                                    |            |       |       |       |       |       |       |       |       |        |                            | Myriophyllum heterophyllum           |            |       |       |       |       |       |       |       |       |        |                            |
| Bacopa caroliniana                                             |            |       |       |       |       |       |       |       |       |        |                            | Najas guadelupensis                  |            |       |       |       |       |       |       |       |       |        |                            |
| Bacopa monnieri                                                |            |       |       |       |       |       |       |       |       |        |                            | Nuphar luteum                        |            |       |       |       |       |       |       |       |       |        |                            |
| Bidens mitis                                                   |            |       |       |       |       |       |       |       |       |        |                            | Orontium aquaticum                   |            |       |       |       |       |       |       |       |       |        |                            |
| Boehmeria cylindrica                                           |            |       |       |       |       |       |       |       |       |        |                            | Panicum hemitomon                    |            |       |       |       |       |       |       |       |       |        |                            |
| Centella asiatica                                              |            |       |       |       |       |       |       |       |       |        |                            | Panicum repens                       |            |       |       |       |       |       |       |       |       |        |                            |
| Ceratophyllum demersum                                         |            |       |       |       |       |       |       |       |       |        |                            | Panicum rigidulum                    |            |       |       |       |       |       |       |       |       |        |                            |
| Chara                                                          |            |       |       |       |       |       |       |       |       |        |                            | Pistia stratioides                   |            |       |       |       |       |       |       |       |       |        |                            |
| Cicuta maculata                                                |            |       |       |       |       |       |       |       |       |        |                            | Polygonum glabra                     |            |       |       |       |       |       |       |       |       |        |                            |
| Cladium jamaicense                                             |            |       |       |       |       |       |       |       |       |        |                            | Polygonum hydropiperoides            |            |       |       |       |       |       |       |       |       |        |                            |
| Colocasia esculenta                                            |            |       |       |       |       |       |       |       |       |        |                            | Polygonum punctatum                  |            |       |       |       |       |       |       |       |       |        |                            |
| Commelina diffusa                                              |            |       |       |       |       |       |       |       |       |        |                            | Pontedaria cordata                   |            |       |       |       |       |       |       |       |       |        |                            |
| Commelina virginica                                            |            |       |       |       |       |       |       |       |       |        |                            | Potamogeton illinoensis              |            |       |       |       |       |       |       |       |       |        |                            |
| Crinum americanum                                              |            |       |       |       |       |       |       |       |       |        |                            | Rhynchospora inundata                |            |       |       |       |       |       |       |       |       |        |                            |
| Diodia virginiana                                              |            |       |       |       |       |       |       |       |       |        |                            | Rosa palustris                       |            |       |       |       |       |       |       |       |       |        |                            |
| Eichhornia crassipes                                           |            |       |       |       |       |       |       |       |       |        |                            | Ruellia simplex                      |            |       |       |       |       |       |       |       |       |        |                            |
| Eleocharis (wispy viviparous)                                  |            |       |       |       |       |       |       |       |       |        |                            | Rumex verticillatus                  |            |       |       |       |       |       |       |       |       |        |                            |
| Hydrilla verticillata                                          |            |       |       |       |       |       |       |       |       |        |                            | Sagittaria striata                   |            |       |       |       |       |       |       |       |       |        |                            |
| Hydrocotyle                                                    |            |       |       |       |       |       |       |       |       |        |                            | Sagittaria kurziana                  |            |       |       |       |       |       |       |       |       |        |                            |
| Hygrophila polysperma                                          |            |       |       |       |       |       |       |       |       |        |                            | Sagittaria lancifolia                |            |       |       |       |       |       |       |       |       |        |                            |
| Hymenocallis                                                   |            |       |       |       |       |       |       |       |       |        |                            | Sagittaria latifolia                 |            |       |       |       |       |       |       |       |       |        |                            |
| Lachnanthes caroliniana                                        |            |       |       |       |       |       |       |       |       |        |                            | Salvinia minima                      |            |       |       |       |       |       |       |       |       |        |                            |
| Landoltia punctata                                             |            |       |       |       |       |       |       |       |       |        |                            | Samolus parviflora                   |            |       |       |       |       |       |       |       |       |        |                            |
| Lemna                                                          |            |       |       |       |       |       |       |       |       |        |                            | Saururus cernuus                     |            |       |       |       |       |       |       |       |       |        |                            |
| Limnophila sessiflora                                          |            |       |       |       |       |       |       |       |       |        |                            | Scirpus (schenoplectus) californicus |            |       |       |       |       |       |       |       |       |        |                            |
| Ludwigia leptocarpa                                            |            |       |       |       |       |       |       |       |       |        |                            | Sparganium americanum                |            |       |       |       |       |       |       |       |       |        |                            |
| Ludwigia palustris                                             |            |       |       |       |       |       |       |       |       |        |                            | Typha                                |            |       |       |       |       |       |       |       |       |        |                            |
| Ludwigia peruviana                                             |            |       |       |       |       |       |       |       |       |        |                            | Vallisneria americana                |            |       |       |       |       |       |       |       |       |        |                            |
| Ludwigia repens                                                |            |       |       |       |       |       |       |       |       |        |                            | Zizania aquatica                     |            |       |       |       |       |       |       |       |       |        |                            |
| Luziola fluitans                                               |            |       |       |       |       |       |       |       |       |        |                            |                                      |            |       |       |       |       |       |       |       |       |        |                            |
| Micranthemum glomeratum                                        |            |       |       |       |       |       |       |       |       |        |                            |                                      |            |       |       |       |       |       |       |       |       |        |                            |
| Micranthemum umbrosum                                          |            |       |       |       |       |       |       |       |       |        |                            |                                      |            |       |       |       |       |       |       |       |       |        |                            |
| Mikania scandens                                               |            |       |       |       |       |       |       |       |       |        |                            |                                      |            |       |       |       |       |       |       |       |       |        |                            |
| Myriophyllum aquaticum                                         |            |       |       |       |       |       |       |       |       |        |                            |                                      |            |       |       |       |       |       |       |       |       |        |                            |
| If no Dominant or Co-Dominant were selected, indicate with "X" |            |       |       |       |       |       |       |       |       |        |                            |                                      |            |       |       |       |       |       |       |       |       |        |                            |
| Indicate % cover macrophytes per section                       |            |       |       |       |       |       |       |       |       |        |                            |                                      |            |       |       |       |       |       |       |       |       |        |                            |
| 0-5% Macrophyte Coverage                                       |            |       |       |       |       |       |       |       |       |        |                            |                                      |            |       |       |       |       |       |       |       |       |        |                            |
| >5 and ≤10% Macrophyte Coverage                                |            |       |       |       |       |       |       |       |       |        |                            |                                      |            |       |       |       |       |       |       |       |       |        |                            |
| >10 and ≤25% Macrophyte Coverage                               |            |       |       |       |       |       |       |       |       |        |                            |                                      |            |       |       |       |       |       |       |       |       |        |                            |
| >25 and ≤50% Macrophyte Coverage                               |            |       |       |       |       |       |       |       |       |        |                            |                                      |            |       |       |       |       |       |       |       |       |        |                            |
| > 50% Macrophyte Coverage                                      |            |       |       |       |       |       |       |       |       |        |                            |                                      |            |       |       |       |       |       |       |       |       |        |                            |

# DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

Site: Ochlockone River - upstream of SR12 County: Gadsden Date: 7/6/16 Investigators: Ben Ralys Justin Wallheiser

| Transect (m) | Point<br>1=right<br>9=left | Algal Thickness Rank<br>(N-6, X) | Estimated | Canopy Cover | Transect (m) | Point<br>1=right<br>9=left | Algal Thickness Rank<br>(N-6, X) | Estimated | Canopy Cover |
|--------------|----------------------------|----------------------------------|-----------|--------------|--------------|----------------------------|----------------------------------|-----------|--------------|
| 0            | 1                          | X                                | Y         |              | 60           | 1                          | X                                |           |              |
|              | 2                          | X                                |           |              |              | 2                          | X                                |           |              |
|              | 3                          | N                                |           |              |              | 3                          | N                                |           |              |
|              | 4                          | N                                |           |              |              | 4                          | N                                |           |              |
|              | 5                          | N                                |           | 0            |              | 5                          | N                                |           | 0            |
|              | 6                          | N                                |           |              |              | 6                          | N                                |           |              |
|              | 7                          | N                                |           |              |              | 7                          | N                                |           |              |
|              | 8                          | X                                |           |              |              | 8                          | X                                |           |              |
|              | 9                          | X                                |           |              |              | 9                          | X                                |           |              |
| 10           | 1                          | X                                |           |              | 70           | 1                          | X                                |           |              |
|              | 2                          | X                                |           |              |              | 2                          | X                                |           |              |
|              | 3                          | N                                |           |              |              | 3                          | N                                |           |              |
|              | 4                          | N                                |           |              |              | 4                          | N                                |           |              |
|              | 5                          | N                                |           | 0            |              | 5                          | N                                |           | 0            |
|              | 6                          | N                                |           |              |              | 6                          | N                                |           |              |
|              | 7                          | N                                |           |              |              | 7                          | N                                |           |              |
|              | 8                          | X                                |           |              |              | 8                          | X                                |           |              |
|              | 9                          | X                                |           |              |              | 9                          | X                                |           |              |
| 20           | 1                          | X                                |           |              | 80           | 1                          | X                                |           |              |
|              | 2                          | X                                |           |              |              | 2                          | X                                |           |              |
|              | 3                          | N                                |           |              |              | 3                          | N                                |           |              |
|              | 4                          | N                                |           |              |              | 4                          | N                                |           |              |
|              | 5                          | N                                |           | 0            |              | 5                          | N                                |           | 0            |
|              | 6                          | N                                |           |              |              | 6                          | N                                |           |              |
|              | 7                          | N                                |           |              |              | 7                          | N                                |           |              |
|              | 8                          | X                                |           |              |              | 8                          | X                                |           |              |
|              | 9                          | X                                |           |              |              | 9                          | X                                |           |              |
| 30           | 1                          | X                                |           |              | 90           | 1                          | X                                |           |              |
|              | 2                          | X                                |           |              |              | 2                          | X                                |           |              |
|              | 3                          | N                                |           |              |              | 3                          | N                                |           |              |
|              | 4                          | N                                |           |              |              | 4                          | N                                |           |              |
|              | 5                          | N                                |           | 0            |              | 5                          | N                                |           | 0            |
|              | 6                          | N                                |           |              |              | 6                          | N                                |           |              |
|              | 7                          | N                                |           |              |              | 7                          | N                                |           |              |
|              | 8                          | X                                |           |              |              | 8                          | X                                |           |              |
|              | 9                          | X                                |           |              |              | 9                          | X                                |           |              |
| 40           | 1                          | X                                |           |              | 100          | 1                          | X                                |           |              |
|              | 2                          | X                                |           |              |              | 2                          | X                                |           |              |
|              | 3                          | N                                |           |              |              | 3                          | N                                |           |              |
|              | 4                          | N                                |           |              |              | 4                          | N                                |           |              |
|              | 5                          | N                                |           | 0            |              | 5                          | N                                |           | 0            |
|              | 6                          | N                                |           |              |              | 6                          | N                                |           |              |
|              | 7                          | N                                |           |              |              | 7                          | N                                |           |              |
|              | 8                          | X                                |           |              |              | 8                          | X                                |           |              |
|              | 9                          | X                                |           |              |              | 9                          | X                                |           |              |
| 50           | 1                          | X                                |           |              |              | 1                          | X                                |           |              |
|              | 2                          | X                                |           |              |              | 2                          | X                                |           |              |
|              | 3                          | N                                |           |              |              | 3                          | N                                |           |              |
|              | 4                          | N                                |           |              |              | 4                          | N                                |           |              |
|              | 5                          | N                                |           | 0            |              | 5                          | N                                |           | 0            |
|              | 6                          | N                                |           |              |              | 6                          | N                                |           |              |
|              | 7                          | N                                |           |              |              | 7                          | N                                |           |              |
|              | 8                          | X                                |           |              |              | 8                          | X                                |           |              |
|              | 9                          | X                                |           |              |              | 9                          | X                                |           |              |

STORET Station Number:

C1WA0038

Secchi depth 0.6  
Estimated? N

# points ranked 4-6 0  
total points assessed 99  
% points ranked 4-6 0

Check accompanying data collected at same site/date.

Algal mat sample —  
Linear Veg Survey Yes  
Habitat Assessment —  
SCI/Biorecon —  
Water sample Yes

RQ- 2016-07-04-30

## Algal Thickness Rank

| N |                                         |
|---|-----------------------------------------|
| N | rough, no algae, slimy, algae up to 1mm |
| 3 | >1mm - 6mm                              |
| 4 | >6mm - 20mm                             |
| 5 | >20mm - 10 cm                           |
| 6 | >10 cm                                  |

SBID: 76449

RPS: 8189

Record "N" and check "Estimated" for points deeper than the Secchi depth; algae are presumed absent. Check "Estimated" if thickness estimated for deep points which can be seen but not reached.

Record "X" for points shallower than Secchi depth for which substrate cannot be seen or reached with the hand. No estimated rank.

Record canopy cover as the number of small densiometer quadrants (out of 96) that HAVE canopy cover. Measure facing upstream at point 4, 5, or 6.

Collect algal mat sample following DEP SOP FS 7240 if the percentage of total sampled points with a thickness rank of 4, 5, or 6 is >20%.

# 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 **Biology #2**

RQ- **2016-07-04-30**

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 **06/03/2016**

| 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.            | Ben Ralys       | 7/6/16 | 7:30       | 22.33 | 8.693           | 8.69            | 100.0 | 49.2         | -          | P           | Lab         |
| ICV                | Ben Ralys       | 7/6/16 | 7:31       | 22.38 | 8.693           | 8.67            | 99.9  | 49.2         | -          | P           | Lab         |
| CCV                | Susan Wallhiser | 7/6/16 | 15:42      | 29.91 | 7.572           | 7.53            | 99.4  | 51.2         | -          | P           | Lab         |
| 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.             | Ben Ralys       | 7/6/16 | 7:34       | 160330D | 4/2017      | 1,000                  | 1,000                       | P           | Lab         |
| ICV                 | Ben Ralys       | 7/6/16 | 7:35       | 160330D | 4/2017      | 1000                   | 1,000                       | P           | Lab         |
| CCV                 | Susan Wallhiser | 7/6/16 | 15:48      | 260533  | 12/2017     | 100                    | 98                          | P           | Lab         |
| 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.            | Ben Ralys       | 7/6/16 | 7:38       | 160330B | 10/2017     | 7.0          | 7.0              | -19.2  | P           | Lab         |
| Calibr.            | Ben Ralys       | 7/6/16 | 7:42       | 160330A | 4/2017      | 4.0          | 4.0              | -159.5 | P           | Lab         |
| Calibr.            | Ben Ralys       | 7/6/16 | 7:45       | 160330C | 10/2017     | 10.0         | 9.98             | -189.5 | P           | Lab         |
| ICV                | Ben Ralys       | 7/6/16 | 7:47       | 160330C | 10/2017     | 10.0         | 9.97             | -189.4 | P           | Lab         |
| CCV                | Susan Wallhiser | 7/6/16 | 15:49      | 160330A | 4/2017      | 4.0          | 3.92             | -163.4 | P           | Lab         |
| CCV                |                 |        |            |         |             |              |                  |        |             |             |

Report pH with one decimal place; pH Acceptance criteria  $\pm 0.2$  SU; mV pH7 Range 0 $\pm$ 50;

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

mV pH 10 Range -180 $\pm$ 50; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

**Depth (Quarterly)**

Date of Last Depth Verification

| Depth Sensor (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

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last revised Apr 7, 2016

# Sustained Leadership

| Location                                              |                                                                     | Collection (comp begin or grab) |       | Composite end    |              | Bottle Group(s)            |            |
|-------------------------------------------------------|---------------------------------------------------------------------|---------------------------------|-------|------------------|--------------|----------------------------|------------|
| Field ID                                              |                                                                     | Date                            | Time  | Central          | Date         | Time                       | (See pg 2) |
| Chickaree River downstream of Whitehead Lake compound |                                                                     |                                 |       | Eastern          |              |                            |            |
| STORET #                                              | 51WA0029                                                            | Fresh                           |       |                  |              |                            | A          |
| Latitude                                              | 30.15386                                                            | Temp (C)                        | 22.68 |                  | Diss. Oxygen | 4.88                       |            |
|                                                       | <input checked="" type="checkbox"/> dd <input type="checkbox"/> dms | Salinity (ppt)                  | 0.02  |                  | Sample Depth | 0.3                        |            |
| Longitude                                             | -84.67056                                                           | pH                              | 6.41  |                  |              |                            |            |
|                                                       | <input checked="" type="checkbox"/> dd <input type="checkbox"/> dms | Comments                        |       |                  |              |                            |            |
| Chickaree River upstream of Telogia creek             |                                                                     |                                 |       | Eastern          |              |                            |            |
| Field ID                                              | 51WA0030                                                            | Fresh                           |       |                  |              |                            |            |
| STORET #                                              | 51WA0030                                                            | Fresh                           |       |                  |              |                            | A          |
| Latitude                                              | 30.26693                                                            | Temp (C)                        | 28.72 |                  | Diss. Oxygen | 3.86                       |            |
|                                                       | <input checked="" type="checkbox"/> dd <input type="checkbox"/> dms | Salinity (ppt)                  | 0.03  |                  | Sample Depth | 0.3                        |            |
| Longitude                                             | -84.7355                                                            | pH                              | 6.54  |                  |              |                            |            |
|                                                       | <input checked="" type="checkbox"/> dd <input type="checkbox"/> dms | Comments                        |       |                  |              |                            |            |
| Chickaree River upstream of SR 12                     |                                                                     |                                 |       | Eastern          |              |                            |            |
| Field ID                                              | 51WA0038                                                            | Fresh                           |       |                  |              |                            |            |
| STORET #                                              | 51WA0038                                                            | Fresh                           |       |                  |              |                            | A          |
| Latitude                                              | 30.67062                                                            | Temp (C)                        | 24.06 |                  | Diss. Oxygen | 6.29                       |            |
|                                                       | <input checked="" type="checkbox"/> dd <input type="checkbox"/> dms | Salinity (ppt)                  | 0.04  |                  | Sample Depth | 0.3                        |            |
| Longitude                                             | -84.20511                                                           | pH                              | 6.87  |                  |              |                            |            |
|                                                       | <input checked="" type="checkbox"/> dd <input type="checkbox"/> dms | Comments                        |       |                  |              |                            |            |
| Chickaree River 300m upstream of SR 12                |                                                                     |                                 |       | Eastern          |              |                            |            |
| Field ID                                              | 51WA0042                                                            | Fresh                           |       |                  |              |                            |            |
| STORET #                                              | 51WA0042                                                            | Fresh                           |       |                  |              |                            | A          |
| Latitude                                              | 30.6722                                                             | Temp (C)                        | 29.10 |                  | Diss. Oxygen | 6.25                       |            |
|                                                       | <input checked="" type="checkbox"/> dd <input type="checkbox"/> dms | Salinity (ppt)                  | 0.04  |                  | Sample Depth | 0.3                        |            |
| Longitude                                             | -84.2046                                                            | pH                              | 6.85  |                  |              |                            |            |
|                                                       | <input checked="" type="checkbox"/> dd <input type="checkbox"/> dms | Comments                        |       |                  |              |                            |            |
| Relinquished By:                                      |                                                                     | Date/Time                       |       | Shipping Method  |              | Number of Coolers Shipped: |            |
| Est. A. Wells                                         |                                                                     | 7/6/2016/1530                   |       | By hand          |              |                            |            |
| Received By:                                          |                                                                     | Date/Time                       |       | Sampling Agency: |              | FDEP                       |            |
| FDEP                                                  |                                                                     | 7/6/16/1530                     |       |                  |              |                            |            |

Cooler Packing Worksheet for Request: RQ-2016-07-04-30

Ochlockonee River

Ship Cooler On: 6/20/2016

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 chemistry including metals

Bottle Group B: Algal ID

1 - case of Nitric Acid

1 - case of Sulfuric Acid

Requested Analyses:

**Bottle Group: A**

**# of Sites: 4**

Container ID: P-1L

Qty: 4    Preservation: ICE

Lot # 00064935

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: 4    Preservation: ICE

Lot # 1172350

Description: Brown Plastic Bottle 1L

**Analysis**

CHLSUITE-W

**Description**

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

Container ID: P-500ML

Qty: 4 Preservation: HNO3

Lot # 00064521

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: 4 Preservation: ICE And H2SO4

Lot # 00064521

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

Description

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 4 Preservation: ICE-FLTR

Lot # 00064846

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: 4

Container ID: PT-50ML

Qty: 4 Preservation: ICE

Lot # 430897

Description: Plastic Tube 50 mL

Analysis

ALGAL\_ID

Description

Qualitative assessment of algal taxa present without counts

Cooler Packed By:

SK

Date:

6-20-16

DEP Cooler ID #(s):

2 Coolers

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle (1 per cooler)
- ☐ FedEx Bills, if applicable (1 per cooler)
- ☒ Plastic Bags
- ☒ Zip Ties

If Preservation Included:

ID Nitric Acid

exp: 6-16-16

Lot # NA5259030

ID

Lot #

ID Sulfuric Acid

exp: 5-12-17

Lot # 3A6133010

ID

Lot #

ID

Lot #

**PLEASE RETURN ALL COOLERS FOR RQ-2016-07-04-30**