



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

Data Qualified?

Yes / No

January 2018

WIN Station Name: Sugar Creek @ Suwannee River

Date: 3/28/2018  
(mm/dd/yyyy)

WIN/ Field ID: G1TLHR0047

WBID: 3389

Latitude: 30.3972838

(Decimal Degrees)

County: Hamilton

ORG ID: 21FLTLHR

Longitude: 82.9337386

(Decimal Degrees)

Receiving Body of Water: Suwannee River

RQ-2018-01-29-48

| Sampling Team Members                                                        |       |                                                                                                                                                                                                                                                                                            |                  |                 |           | WQ Measurements                            | Sample Collection                                                                 | Documentation                       | Preservation                         | Preservation Check                  | Sampling Equipment                                   |                                             |                                        |                                         |  |  |  |
|------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------|-----------|--------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------|--------------------------------------|-------------------------------------|------------------------------------------------------|---------------------------------------------|----------------------------------------|-----------------------------------------|--|--|--|
| Jessie Tolbert<br>Jon Woods                                                  |       |                                                                                                                                                                                                                                                                                            |                  |                 |           | <input checked="" type="checkbox"/>        | <input checked="" type="checkbox"/>                                               | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> Sample Container | <input type="checkbox"/> Van Dorn           | <input type="checkbox"/> Pole          |                                         |  |  |  |
|                                                                              |       |                                                                                                                                                                                                                                                                                            |                  |                 |           |                                            |                                                                                   |                                     |                                      |                                     | <input type="checkbox"/> Carboy                      | <input checked="" type="checkbox"/> Syringe |                                        |                                         |  |  |  |
|                                                                              |       |                                                                                                                                                                                                                                                                                            |                  |                 |           |                                            |                                                                                   |                                     |                                      |                                     | <input type="checkbox"/> Dipper                      | <input type="checkbox"/> Other              |                                        |                                         |  |  |  |
| Depth Measured with                                                          |       |                                                                                                                                                                                                                                                                                            |                  |                 |           | Equipment ID                               |                                                                                   |                                     |                                      |                                     |                                                      | Collection Method                           |                                        |                                         |  |  |  |
|                                                                              |       |                                                                                                                                                                                                                                                                                            |                  |                 |           | <input checked="" type="checkbox"/> Wading | <input type="checkbox"/> From Shore                                               | <input type="checkbox"/> Other      | <input type="checkbox"/> Canoe/Kayak |                                     |                                                      | <input type="checkbox"/> Electric Motor     |                                        | <input type="checkbox"/> Gasoline Motor |  |  |  |
|                                                                              |       |                                                                                                                                                                                                                                                                                            |                  |                 |           |                                            |                                                                                   |                                     |                                      |                                     |                                                      |                                             |                                        |                                         |  |  |  |
|                                                                              |       |                                                                                                                                                                                                                                                                                            |                  |                 |           |                                            |                                                                                   |                                     |                                      |                                     |                                                      |                                             |                                        |                                         |  |  |  |
| Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded               |       |                                                                                                                                                                                                                                                                                            |                  |                 |           | Meter ID# XSI Pro DSS #1                   |                                                                                   |                                     |                                      |                                     |                                                      | Matrix: <u>Fresh</u> / Marine / DI          |                                        |                                         |  |  |  |
| Photos: Yes / <u>No</u> / Flow: No Flow / Intestinal / <u>Flowing</u> / NA   |       |                                                                                                                                                                                                                                                                                            |                  |                 |           | Tide: Rising/ Falling/ Slack/ <u>NA</u>    |                                                                                   |                                     |                                      |                                     |                                                      | Tide Times: High / Low                      |                                        |                                         |  |  |  |
| Time Zone                                                                    | Time  | Total Depth (m)                                                                                                                                                                                                                                                                            | Sample Depth (m) | Secchi Disk (m) | DO (mg/L) | DO (%SAT)                                  | pH                                                                                | Salinity (PPTH)                     | Sp COND (umhos/cm)                   | Temp. (C°)                          |                                                      |                                             |                                        |                                         |  |  |  |
| EST                                                                          | 11:55 | 0.3                                                                                                                                                                                                                                                                                        | 0.15             | 0.35            | 4.76      | 99.1                                       | 7.54                                                                              | 07                                  | 138.4                                | 16.1                                |                                                      |                                             |                                        |                                         |  |  |  |
| CEN                                                                          |       |                                                                                                                                                                                                                                                                                            |                  |                 |           |                                            |                                                                                   |                                     |                                      |                                     |                                                      |                                             |                                        |                                         |  |  |  |
| Biological Samples Collected: <u>None</u> HA SCI RPS Algae ID LVS LVI Other: |       |                                                                                                                                                                                                                                                                                            |                  |                 |           |                                            |                                                                                   |                                     |                                      |                                     |                                                      |                                             |                                        |                                         |  |  |  |
| SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#:               |       |                                                                                                                                                                                                                                                                                            |                  |                 |           |                                            |                                                                                   |                                     |                                      |                                     |                                                      |                                             |                                        |                                         |  |  |  |
| Parameter Suite                                                              |       | Parameter Methods                                                                                                                                                                                                                                                                          |                  |                 |           |                                            | Preservation                                                                      |                                     | 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 |                                     | 7233030                              |                                     | 8/21/2018                                            |                                             | <input checked="" type="checkbox"/> <2 |                                         |  |  |  |
| Metals                                                                       |       | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP                                                                                                                                                                                                                            |                  |                 |           |                                            | <input type="checkbox"/> Ice <input type="checkbox"/> HNO3                        |                                     |                                      |                                     |                                                      |                                             | <input type="checkbox"/> <2            |                                         |  |  |  |
| Filtered Nutrients                                                           |       | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 um Filter                                                                                                                                                                              |                  |                 |           |                                            | <input checked="" type="checkbox"/> Ice                                           |                                     |                                      |                                     |                                                      |                                             |                                        |                                         |  |  |  |
| Chlorophyll                                                                  |       | <input checked="" type="checkbox"/> CHL-SUITE-W                                                                                                                                                                                                                                            |                  |                 |           |                                            | <input checked="" type="checkbox"/> Ice                                           |                                     |                                      |                                     |                                                      |                                             |                                        |                                         |  |  |  |
| Physical/Aggregate (Fresh)                                                   |       | <input checked="" type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-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                                                 |                                     |                                      |                                     |                                                      |                                             |                                        |                                         |  |  |  |
| Periphyton                                                                   |       | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                                                                                                          |                  |                 |           |                                            | <input type="checkbox"/> Ice                                                      |                                     |                                      |                                     |                                                      |                                             |                                        |                                         |  |  |  |
| Microbiology                                                                 |       | <input checked="" type="checkbox"/> E-Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococci                                                                                                                                                                            |                  |                 |           |                                            | <input checked="" type="checkbox"/> Ice                                           |                                     |                                      |                                     |                                                      |                                             |                                        |                                         |  |  |  |
| Molecular                                                                    |       | <input type="checkbox"/> PCR-FILTER <input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-GULL2 <input type="checkbox"/> PCR-GFD                                                                                                               |                  |                 |           |                                            | <input type="checkbox"/> Ice                                                      |                                     |                                      |                                     |                                                      |                                             |                                        |                                         |  |  |  |
| Tracers                                                                      |       | <input type="checkbox"/> W-SUC-AA-R <input type="checkbox"/> W-UHERB-AA <input type="checkbox"/> W-AHERB-AA                                                                                                                                                                                |                  |                 |           |                                            | <input type="checkbox"/> Ice                                                      |                                     |                                      |                                     |                                                      |                                             |                                        |                                         |  |  |  |
| Pesticides                                                                   |       | <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-UHERB-AA <input type="checkbox"/> W-AHERB-AA <input type="checkbox"/> W-CARB-AA <input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> W-PYR-AA-R <input type="checkbox"/> W-GLYPH <input type="checkbox"/> W-SUC-AA-R |                  |                 |           |                                            | <input type="checkbox"/> Ice <input type="checkbox"/> Other                       |                                     |                                      |                                     |                                                      |                                             |                                        |                                         |  |  |  |

Notes:

A-b

Field/WIN ID →

Location ↓



G1TLHR0047



SUGARCREEK@SUWANNEERIVER

Signature:

Date:

Enter Field Parameters, Verify Station ID in LIMS DMT:

QC Station ID, Field Parameters in LIMS DMT:

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data in WIN:



|                                    |                              |                       |                                 |                                                                                                     |                      |      |
|------------------------------------|------------------------------|-----------------------|---------------------------------|-----------------------------------------------------------------------------------------------------|----------------------|------|
| Relinquished By:<br>10 bed / woods | Date/Time<br>3/28/2018 14:45 | Shipping Method<br>HD | Number of Coolers Shipped:<br>1 | Received By:<br> | Date/Time<br>3/28/18 | 1447 |
|------------------------------------|------------------------------|-----------------------|---------------------------------|-----------------------------------------------------------------------------------------------------|----------------------|------|

|          |                                                         |      |                 |                   |                                     |   |
|----------|---------------------------------------------------------|------|-----------------|-------------------|-------------------------------------|---|
| Group: A | Bottle Type:<br>ALKALINITY<br>TURBIDITY<br>W-F<br>W-TSS | P-1L | # of Bottles: 3 | Preservative: ICE | Enter Number of Bottles Sent to Lab | 4 |
|----------|---------------------------------------------------------|------|-----------------|-------------------|-------------------------------------|---|

|          |                            |       |                 |                   |                                     |   |
|----------|----------------------------|-------|-----------------|-------------------|-------------------------------------|---|
| Group: A | Bottle Type:<br>CHLSUITE-W | BP-1L | # of Bottles: 3 | Preservative: ICE | Enter Number of Bottles Sent to Lab | 4 |
|----------|----------------------------|-------|-----------------|-------------------|-------------------------------------|---|

|          |                           |                |                 |                   |                                     |   |
|----------|---------------------------|----------------|-----------------|-------------------|-------------------------------------|---|
| Group: A | Bottle Type:<br>ECOL-18QT | P-250ML-WO-THI | # of Bottles: 3 | Preservative: ICE | Enter Number of Bottles Sent to Lab | 4 |
|----------|---------------------------|----------------|-----------------|-------------------|-------------------------------------|---|

|          |                                                                 |         |                 |                             |                                     |   |
|----------|-----------------------------------------------------------------|---------|-----------------|-----------------------------|-------------------------------------|---|
| Group: A | Bottle Type:<br>W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC | P-500ML | # of Bottles: 3 | Preservative: ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 4 |
|----------|-----------------------------------------------------------------|---------|-----------------|-----------------------------|-------------------------------------|---|

|          |                         |         |                 |                          |                                     |   |
|----------|-------------------------|---------|-----------------|--------------------------|-------------------------------------|---|
| Group: A | Bottle Type:<br>W-PO4-F | P-125ML | # of Bottles: 3 | Preservative: FILTER-ICE | Enter Number of Bottles Sent to Lab | 4 |
|----------|-------------------------|---------|-----------------|--------------------------|-------------------------------------|---|

|          |                                                         |      |                 |                   |                                     |  |
|----------|---------------------------------------------------------|------|-----------------|-------------------|-------------------------------------|--|
| Group: B | Bottle Type:<br>ALKALINITY<br>TURBIDITY<br>W-F<br>W-TSS | P-1L | # of Bottles: 1 | Preservative: ICE | Enter Number of Bottles Sent to Lab |  |
|----------|---------------------------------------------------------|------|-----------------|-------------------|-------------------------------------|--|

|          |                           |                |                 |                   |                                     |  |
|----------|---------------------------|----------------|-----------------|-------------------|-------------------------------------|--|
| Group: B | Bottle Type:<br>ECOL-18QT | P-250ML-WO-THI | # of Bottles: 1 | Preservative: ICE | Enter Number of Bottles Sent to Lab |  |
|----------|---------------------------|----------------|-----------------|-------------------|-------------------------------------|--|

|          |                                                                 |         |                 |                             |                                     |  |
|----------|-----------------------------------------------------------------|---------|-----------------|-----------------------------|-------------------------------------|--|
| Group: B | Bottle Type:<br>W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC | P-500ML | # of Bottles: 1 | Preservative: ICE And H2SO4 | Enter Number of Bottles Sent to Lab |  |
|----------|-----------------------------------------------------------------|---------|-----------------|-----------------------------|-------------------------------------|--|

|          |                         |         |                 |                          |                                     |  |
|----------|-------------------------|---------|-----------------|--------------------------|-------------------------------------|--|
| Group: B | Bottle Type:<br>W-PO4-F | P-125ML | # of Bottles: 1 | Preservative: FILTER-ICE | Enter Number of Bottles Sent to Lab |  |
|----------|-------------------------|---------|-----------------|--------------------------|-------------------------------------|--|

# 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: YSI ProDSS #1

RQ: 2018-01-24-48

Project: SMP 2018

Notes: (1) Always wait for meter to stabilize before recording any readings.

(2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).

(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 3/18

| 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.            | Jessie Tolbert | 3-28-2018 | 818        | 20.3 | 9.04            | 9.05            | 100  | N/A          | 1.08       | <u>P</u> /F | <u>L</u> /F |
| ICV                | ↓              | ↓         | 819        | 20.3 | 9.04            | 9.05            | 100  | N/A          | 1.08       | <u>P</u> /F | <u>L</u> /F |
| CCV                | ↓              | ↓         | 1341       | 22.2 | 8.74            | 8.79            | 100  | N/A          | 1.08       | <u>P</u> /F | <u>L</u> /F |
| CCV                |                |           |            |      |                 |                 |      |              |            | P/F         | L/F         |

DO Acceptance criteria from Table  $\pm 0.3$  mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

| Spec. Cond. FT 1200 | Name           | Date      | Time CT-ET | Lot #   | Expir. Date | Standard $\mu$ hos/cm | Meter Reading $\mu$ hos/cm | Pass / Fail | Lab / Field |
|---------------------|----------------|-----------|------------|---------|-------------|-----------------------|----------------------------|-------------|-------------|
| Calibr.             | Jessie Tolbert | 3-28-2018 | 822        | 180116B | 1/2019      | 1000                  | 1000                       | <u>P</u> /F | <u>L</u> /F |
| ICV                 | ↓              | ↓         | 824        | 2710781 | 9/2019      | 100                   | 95                         | <u>P</u> /F | <u>L</u> /F |
| CCV                 | ↓              | ↓         | 1344       | 180221A | 3/2019      | 500                   | 480                        | <u>P</u> /F | <u>L</u> /F |
| CCV                 |                |           |            |         |             |                       |                            | P/F         | L/F         |

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.            | Jessie Tolbert | 3-28-2018 | 829        | 171121A | 6/2019      | 7.0          | 7.0              | -4   | <u>P</u> /F | <u>L</u> /F |
| Calibr.            | ↓              | ↓         | 831        | 180116D | 1/2019      | 4.0          | 4.0              | 163  | <u>P</u> /F | <u>L</u> /F |
| Calibr.            | ↓              | ↓         | 833        | 180221E | 9/2019      | 10.0         | 10.0             | -168 | <u>P</u> /F | <u>L</u> /F |
| ICV                | ↓              | ↓         | 835        | 180221E | 9/2019      | 10.0         | 10.0             | -168 | <u>P</u> /F | <u>L</u> /F |
| CCV                | ↓              | ↓         | 1345       | 180221C | 3/2019      | 4.0          | 4.1              | 159  | <u>P</u> /F | <u>L</u> /F |
| CCV                |                |           |            |         |             |              |                  |      | P/F         | L/F         |

pH Acceptance criteria  $\pm 0.2$  SU; mV pH 7 Range  $0 \pm 50$ ;

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

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

If mV are recorded: slope from 7 to 10 164, slope from 4 to 7 167 (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth verification

| Depth Sensor (Daily Calibration & ICV) | Name | Date | Time CT-ET | Calibrated Value (0.00 or Offset), meters | ICV Value meters | Pass / Fail | Lab / Field |
|----------------------------------------|------|------|------------|-------------------------------------------|------------------|-------------|-------------|
| Pressure mode in air                   |      |      |            |                                           |                  | P/F         | L/F         |

Report two decimal places. Round numbers  $\leq 4$  down,  $\geq 5$  up. ICV acceptance criteria  $\pm 5\%$  or  $\pm 0.05$ m, whichever is greater.

COMMENTS:

