



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / No

WIN Station Name: Aucilla River

Date: 5-24-2018  
(mm/dd/yyyy)

WIN/ Field ID: G1TLHR0019

WBID: 3310

Latitude: 30.27991  
(Decimal Degrees)

County: Jefferson

ORG ID: 21FLTLHR

Longitude: 83.84214  
(Decimal Degrees)

Receiving Body of Water: Gulf of Mexico

RQ-2018- 04-16-35

| Sampling Team Members |  |  |  |  | WQ Measurements                     | Sample Collection                   | Documentation                       | Preservation                        | Preservation Check                  |
|-----------------------|--|--|--|--|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Chris Green           |  |  |  |  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Paul Blair            |  |  |  |  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

| Sampling Equipment                                   |                                             |                               |
|------------------------------------------------------|---------------------------------------------|-------------------------------|
| <input checked="" type="checkbox"/> Sample Container | <input type="checkbox"/> Van Dorn           | <input type="checkbox"/> Pole |
| <input type="checkbox"/> Carboy                      | <input checked="" type="checkbox"/> Syringe |                               |
| <input type="checkbox"/> Dipper                      | <input type="checkbox"/> Other              |                               |
| Depth Measured with <u>Secchi</u>                    |                                             |                               |
| Equipment ID <u>#2</u>                               |                                             |                               |

| Collection Method                          |                                         |
|--------------------------------------------|-----------------------------------------|
| <input checked="" type="checkbox"/> Wading | <input type="checkbox"/> Canoe/Kayak    |
| <input type="checkbox"/> From Shore        | <input type="checkbox"/> Electric Motor |
| <input type="checkbox"/> Other             | <input type="checkbox"/> Gasoline Motor |

Water Level: Dry/ Pooled/ Low / Normal / High / Flooded      Meter ID# 12 YSI 600 XLM      Matrix: Fresh / Marine / DI

Photos: Yes / No      Flow: No Flow / Intertidal / Flowing / NA      Tide: Rising/ Falling/ Slack/ NA      Tide Times: High Low

| Time Zone | Time | Total Depth (m) | Sample Depth (m) | Secchi Disk (m) | DO (mg/L) | DO (%SAT) | pH   | Salinity (PPT) | Sp COND (µmhos/cm) | Temp. (C°) |
|-----------|------|-----------------|------------------|-----------------|-----------|-----------|------|----------------|--------------------|------------|
| EST       | 9:40 | 0.7             | 0.3              | 0.5             | 6.04      | 69.4      | 6.19 | 0.03           | 58                 | 21.80      |
| CEN       |      |                 |                  |                 |           |           |      |                |                    |            |

Biological Samples Collected: None      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 | SA-7341020 | 12/7/18    | <input checked="" type="checkbox"/> <2 |
| Metals                      | <input checked="" type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP                                                                                                                                                                                                                    | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> HNO3  | NA 7261120 | 9/11/18    | <input checked="" type="checkbox"/> <2 |
| Filtered Nutrients          | <input checked="" type="checkbox"/> W-PO4-F <input type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                                                                                                            | <input checked="" type="checkbox"/> Ice                                           |            |            |                                        |
| Chlorophyll                 | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                                                                                                                | <input checked="" type="checkbox"/> Ice                                           |            |            |                                        |
| Physical/Aggregate (Fresh)  | <input checked="" type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-CI-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<br><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<br><input type="checkbox"/> Other                    |            |            |                                        |

Notes: kit: C-b

Place Label Here

Signature: [Signature]      Date: 05-24-2018

Enter Field Parameters, Verify Station ID In LIMS DMT: 16 7-3-18      QC Station ID, Field Parameters In LIMS DMT: \_\_\_\_\_

Scan/Save Field Sheets 16 7-3-18      Migrate Data to WIN: \_\_\_\_\_      Verify Data In WIN: \_\_\_\_\_

(Initials/Date)

(Initials/Date)

(Initials/Date)

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

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

Meter ID: 12 YSI 600 XLM

RQ:                     

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 4/7/18 4/18

| DO<br>DEP SOP<br>FT 1500 | Name        | Date    | Time<br>CT-ET | Temp  | D.O.<br>Chart<br>mg/L | Meter<br>D.O.<br>mg/L | % DO  | Probe<br>Charge | Probe<br>Gain | Pass<br>/<br>Fail | Lab<br>/<br>Field |
|--------------------------|-------------|---------|---------------|-------|-----------------------|-----------------------|-------|-----------------|---------------|-------------------|-------------------|
| Calibr.                  | Chris Green | 5-24-18 | 7:45          | 21.18 | 8.88                  | 8.88                  | 100.0 | 53.3            | 0.88          | P/F               | L/F               |
| ICV                      | 11          | 11      | 8:03          | 21.16 | 8.88                  | 8.92                  | 100.3 | —               | —             | P/F               | L/F               |
| CCV                      |             |         |               | 21.33 | 8.86                  | 9.12                  | 102.9 | —               | —             | P/F               | L/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.<br>Cond.<br>FT 1200 | Name        | Date    | Time<br>CT-ET | Lot #   | Expir.<br>Date | Standard<br>$\mu$ hos/cm | Meter<br>Reading<br>$\mu$ hos/cm | Pass<br>/<br>Fail | Lab<br>/<br>Field |
|---------------------------|-------------|---------|---------------|---------|----------------|--------------------------|----------------------------------|-------------------|-------------------|
| Calibr.                   | Chris Green | 5-24-18 | 7:50          | 180403A | 4/19           | 1000                     | 1000                             | P/F               | L/F               |
| ICV                       | 11          | 11      | 8:00          | 2802833 | 1/20           | 100                      | 101                              | P/F               | L/F               |
| CCV                       | 11          | 11      | 13:35         | 170630C | 2/18           | 50,000                   | 49,709                           | P/F               | L/F               |
| CCV                       |             |         |               |         |                |                          |                                  | P/F               | L/F               |

Conductivity Acceptance criteria  $\pm 5\%$

| pH<br>DEP SOP<br>FT 1100 | Name        | Date    | Time<br>CT-ET | Lot #   | Expir.<br>Date | pH<br>Buffer<br>SU | Meter<br>reading<br>SU | mV     | Pass<br>/<br>Fail | Lab<br>/<br>Field |
|--------------------------|-------------|---------|---------------|---------|----------------|--------------------|------------------------|--------|-------------------|-------------------|
| Calibr.                  | Chris Green | 5-24-18 | 7:52          | 171121A | 6/19           | 7.0                | 7.00                   | -35.4  | P/F               | L/F               |
| Calibr.                  | 11          | 11      | 7:55          | 180116D | 1/19           | 4.0                | 4.00                   | 137.2  | P/F               | L/F               |
| Calibr.                  | 11          | 11      | 7:58          | 180221E | 9/19           | 10.0               | 9.99                   | -205.5 | P/F               | L/F               |
| ICV                      | 11          | 11      | 7:59          | 11      | 11             | 11                 | 10.01                  | —      | P/F               | L/F               |
| CCV                      | 11          | 11      | 13:30         | 180116D | 1/19           | 4.0                | 4.01                   | —      | P/F               | L/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 10 170.1, slope from 4 to 7 172.5 (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<br>(Daily Calibration &<br>ICV) | Name | Date | Time<br>CT-ET | Calibrated<br>Value (0.00 or<br>Offset), meters | ICV Value<br>meters | Pass /<br>Fail | Lab /<br>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:

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last revised Jan 25, 2018

C. Green

8034

[illegible]