

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

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

Meter ID: PRO DSS Desi RQ: 2019-07-22-08 Project: LSJR coast

- 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.

## Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 7/2019

| DO DEP SOP FT 1500 | Name     | Date    | Time CT-ET | Temp °C | Baro-meter mmHg | D.O. Chart mg/L | Meter D.O. mg/L | % DO  | Probe Charge | Probe Gain | Pass / Fail | Lab / Field |
|--------------------|----------|---------|------------|---------|-----------------|-----------------|-----------------|-------|--------------|------------|-------------|-------------|
| Calibr.            | C. Ruben | 7.24.19 | 0743       | 23.2    | 759             | 8.5             | 8.52            | 99.8% | -            | -          | (P) F       | (L) F       |
| ICV                | ↓        | ↓       | 0745       | 23.3    | 759             | 8.5             | 8.52            | 99.9% | -            | -          | (P) F       | (L) F       |
| CCV                | C. Ruben | 7.24.19 | 1240       | 23.5    | 759             | 8.5             | 8.45            | 99.4% | -            | -          | (P) F       | (L) F       |
| CCV                |          |         |            |         |                 |                 |                 |       |              |            | P / F       | L / F       |

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 (Pro DSS 0.75 to 1.50); 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.             | C. Ruben | 7.24.19 | 0750       | 190430A | 5/2020      | 1000                   | 1003                        | (P) F       | (L) F       |
| ICV                 | ↓        | ↓       | 0751       | 190319B | 3/2020      | 100                    | 104                         | (P) F       | (L) F       |
| CCV                 | C. Ruben | 7.24.19 | 0743       | 190411C | 7/2020      | 50,000                 | 50,377                      | (P) F       | (L) 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 | Temp °C | Meter reading SU | mV     | Pass / Fail | Lab / Field |
|--------------------|----------|---------|------------|---------|-------------|--------------|---------|------------------|--------|-------------|-------------|
| Calibr.            | C. Ruben | 7.24.19 | 0753       | 2904C54 | 3/2021      | 7.           | 24.6    | 7.04             | -15.3  | (P) F       | (L) F       |
| Calibr.            | ↓        | ↓       | 0758       | 2904B00 | 3/2021      | 4.           | 24.6    | 3.98             | 1650   | (P) F       | (L) F       |
| Calibr.            | ↓        | ↓       | 0803       | 2904B51 | 7/2020      | 10.          | 24.7    | 9.99             | -189.7 | (P) F       | (L) F       |
| ICV                | ↓        | ↓       | 0806       | 2904C54 | 3/2021      | 7.0          | 24.4    | 7.05             | -15.8  | (P) F       | (L) F       |
| CCV                | C. Ruben | 7.24.19 | 1247       | 2904B00 | 3/2021      | 4.0          | 24.5    | 4.04             | 1620   | (P) F       | (L) F       |
| CCV                |          |         |            |         |             | 4.0 CR       |         |                  |        | 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 \_\_\_\_\_, slope from 4 to 7 \_\_\_\_\_ (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: \_\_\_\_\_

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: \_\_\_\_\_; Date of last 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                   | C. Ruben | 7.24.19 | 0809       | 0.00                                      | 0.00              | (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:



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / ☒ No

WIN Station Name: SISTERS CREEK AT HECKSCHER DR

Date: 07/24/2019

(mm/dd/yyyy)

WIN/ Field ID: 20030491

WBID: 2205A

Latitude: 30.3925

(Decimal Degrees)

County: Duval

ORG ID: 21FLA

Longitude: -81.4589

(Decimal Degrees)

Receiving Body of Water: LSJR

RQ-2019- 07-22-08

| Sampling Team Members                                                        |             |                                                                                                                                                                                                                        |                  |                 |             | WQ Measurements                                                                                            | Sample Collection | Documentation    | Preservation       | Preservation Check | Sampling Equipment                                                                                                                                                                                                                                                                                                                         |                                        |  |  |  |  |  |
|------------------------------------------------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------|-------------|------------------------------------------------------------------------------------------------------------|-------------------|------------------|--------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--|--|--|--|--|
| Cheyanne Ruben                                                               |             |                                                                                                                                                                                                                        |                  |                 |             | X                                                                                                          |                   | X                | X                  | X                  | <input checked="" type="checkbox"/> Sample Container <input type="checkbox"/> Van Dorn <input checked="" type="checkbox"/> Pole<br><input type="checkbox"/> Carboy <input type="checkbox"/> Syringe<br><input type="checkbox"/> Dipper <input type="checkbox"/> Other<br>Depth Measured with <u>meter</u><br>Equipment ID <u>Ortho # 9</u> |                                        |  |  |  |  |  |
| Amy Kalmbacher                                                               |             |                                                                                                                                                                                                                        |                  |                 |             |                                                                                                            | X                 |                  | X                  |                    | <b>Collection Method</b><br><input type="checkbox"/> Wading <input type="checkbox"/> Canoe/Kayak<br><input type="checkbox"/> From Shore <input type="checkbox"/> Electric Motor<br><input checked="" type="checkbox"/> Other <u>Dock</u> <input type="checkbox"/> Gasoline Motor                                                           |                                        |  |  |  |  |  |
| Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded               |             |                                                                                                                                                                                                                        |                  |                 |             | Meter ID# <u>PRO DSS DESI</u>                                                                              |                   |                  |                    |                    |                                                                                                                                                                                                                                                                                                                                            | Matrix: Fresh <u>Marine</u> DI         |  |  |  |  |  |
| Photos: Yes / <u>No</u>                                                      |             |                                                                                                                                                                                                                        |                  |                 |             | Flow: No Flow / Intestinal / <u>Flowing</u> / NA                                                           |                   |                  |                    |                    |                                                                                                                                                                                                                                                                                                                                            | Tide: <u>Rising</u> Falling/ Slack/ NA |  |  |  |  |  |
| Tide Times: High Low AM                                                      |             |                                                                                                                                                                                                                        |                  |                 |             |                                                                                                            |                   |                  |                    |                    |                                                                                                                                                                                                                                                                                                                                            |                                        |  |  |  |  |  |
| 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°)         |                                                                                                                                                                                                                                                                                                                                            |                                        |  |  |  |  |  |
| <u>EST</u>                                                                   | <u>0900</u> | <u>2.0</u>                                                                                                                                                                                                             | <u>0.3</u>       | <u>1.1</u>      | <u>5.49</u> | <u>81%</u>                                                                                                 | <u>7.80</u>       | <u>22.85</u>     | <u>36,322</u>      | <u>28.8</u>        |                                                                                                                                                                                                                                                                                                                                            |                                        |  |  |  |  |  |
| CEN                                                                          |             |                                                                                                                                                                                                                        | <u>1.5</u>       |                 | <u>5.39</u> | <u>79.7%</u>                                                                                               | <u>7.85</u>       | <u>23.02</u>     | <u>36,966</u>      | <u>28.9</u>        |                                                                                                                                                                                                                                                                                                                                            |                                        |  |  |  |  |  |
| 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"/> H <sub>2</sub> SO <sub>4</sub> |                   | <u>SA9129100</u> | <u>5/20</u>        | <u>2</u>           |                                                                                                                                                                                                                                                                                                                                            |                                        |  |  |  |  |  |
| Metals                                                                       |             | <input checked="" type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP                                                                                                                                             |                  |                 |             | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> HNO <sub>3</sub>               |                   | <u>NA8344050</u> | <u>12/19</u>       | <u>2</u>           |                                                                                                                                                                                                                                                                                                                                            |                                        |  |  |  |  |  |
| Filtered Nutrients                                                           |             | <input checked="" type="checkbox"/> W-PO4-F <input type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                                     |                  |                 |             | <input checked="" type="checkbox"/> Ice                                                                    |                   | <u>R9BA86875</u> |                    |                    |                                                                                                                                                                                                                                                                                                                                            |                                        |  |  |  |  |  |
| Chlorophyll                                                                  |             | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                                         |                  |                 |             | <input checked="" type="checkbox"/> Ice                                                                    |                   |                  |                    |                    |                                                                                                                                                                                                                                                                                                                                            |                                        |  |  |  |  |  |
| Physical/Aggregate (Fresh)                                                   |             | <input type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W-TDS                                                                                                                   |                  |                 |             | <input type="checkbox"/> Ice                                                                               |                   |                  |                    |                    |                                                                                                                                                                                                                                                                                                                                            |                                        |  |  |  |  |  |
| Physical/Aggregate (Marine)                                                  |             | <input checked="" type="checkbox"/> Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                                                                                                                                     |                  |                 |             | <input checked="" 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 type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input checked="" type="checkbox"/> Enterococci                                                                                                        |                  |                 |             | <input checked="" type="checkbox"/> Ice                                                                    |                   |                  |                    |                    |                                                                                                                                                                                                                                                                                                                                            |                                        |  |  |  |  |  |
| Molecular                                                                    |             | <input type="checkbox"/> PCR-FILTER <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-GULL2<br><input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-DG3 <input type="checkbox"/> PCR-GFD       |                  |                 |             | <input type="checkbox"/> Ice                                                                               |                   |                  |                    |                    |                                                                                                                                                                                                                                                                                                                                            |                                        |  |  |  |  |  |
| Tracers                                                                      |             | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> W-E8321-MS                                                                                                                                                |                  |                 |             | <input type="checkbox"/> Ice                                                                               |                   |                  |                    |                    |                                                                                                                                                                                                                                                                                                                                            |                                        |  |  |  |  |  |
| Pesticides                                                                   |             | <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-CT-CL-R <input type="checkbox"/> W-E8321-DI<br><input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> WE8321-MS <input type="checkbox"/> W-CARB-AA |                  |                 |             | <input type="checkbox"/> Ice                                                                               |                   |                  |                    |                    |                                                                                                                                                                                                                                                                                                                                            |                                        |  |  |  |  |  |
| Phytoplankton                                                                |             | <input type="checkbox"/> DTY-QN-C <input type="checkbox"/> PKD-QN-C                                                                                                                                                    |                  |                 |             | <input type="checkbox"/> Ice                                                                               |                   |                  |                    |                    |                                                                                                                                                                                                                                                                                                                                            |                                        |  |  |  |  |  |

Notes:

WIN ID/Field ID:



20030491

SISTERS CREEK AT HECKSCHER DR

Signature:

*Cheyanne Ruben*

Date:

7/24/19

LIMS EVENT ID:

WIN Import ID:

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:

(Initials/Date)

(Initials/Date)

(Initials/Date)



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes ☒ No ☐

WIN Station Name: DUNN CR AT FAYE ROAD

Date: 07/24/2019

(mm/dd/yyyy)

WIN/ Field ID: 20030140

WBID: 2181A

Latitude: 30.437916

(Decimal Degrees)

County: Duval

ORG ID: 21FLA

Longitude: -81.583333

(Decimal Degrees)

Receiving Body of Water: LSJR

RQ-2019- 07-22-08

| Sampling Team Members                                                        |      |                                                                                                                                                                                                                                 |                  |                                         |           | WQ Measurements                                                                   | Sample Collection | Documentation  | Preservation                       | Preservation Check                     | Sampling Equipment                             |                                                      |                                   |                                          |  |
|------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------------------------------|-----------|-----------------------------------------------------------------------------------|-------------------|----------------|------------------------------------|----------------------------------------|------------------------------------------------|------------------------------------------------------|-----------------------------------|------------------------------------------|--|
| Cheyanne Ruben                                                               |      |                                                                                                                                                                                                                                 |                  |                                         |           |                                                                                   | X                 |                |                                    |                                        |                                                | <input checked="" type="checkbox"/> Sample Container | <input type="checkbox"/> Van Dorn | <input checked="" type="checkbox"/> Pole |  |
| Amy Kalmbacher                                                               |      |                                                                                                                                                                                                                                 |                  |                                         |           | X                                                                                 |                   | X              | X                                  |                                        |                                                | <input type="checkbox"/> Carboy                      | <input type="checkbox"/> Syringe  |                                          |  |
|                                                                              |      |                                                                                                                                                                                                                                 |                  |                                         |           |                                                                                   |                   |                |                                    |                                        |                                                | <input type="checkbox"/> Dipper                      | <input type="checkbox"/> Other    |                                          |  |
|                                                                              |      |                                                                                                                                                                                                                                 |                  |                                         |           |                                                                                   |                   |                |                                    |                                        |                                                | Depth Measured with <u>meter</u>                     |                                   |                                          |  |
|                                                                              |      |                                                                                                                                                                                                                                 |                  |                                         |           |                                                                                   |                   |                |                                    |                                        |                                                | Equipment ID <u>ortho #7</u>                         |                                   |                                          |  |
|                                                                              |      |                                                                                                                                                                                                                                 |                  |                                         |           |                                                                                   |                   |                |                                    |                                        | Collection Method                              |                                                      |                                   |                                          |  |
|                                                                              |      |                                                                                                                                                                                                                                 |                  |                                         |           |                                                                                   |                   |                |                                    |                                        | <input type="checkbox"/> Wading                | <input type="checkbox"/> Canoe/Kayak                 |                                   |                                          |  |
|                                                                              |      |                                                                                                                                                                                                                                 |                  |                                         |           |                                                                                   |                   |                |                                    |                                        | <input checked="" type="checkbox"/> From Shore | <input type="checkbox"/> Electric Motor              |                                   |                                          |  |
|                                                                              |      |                                                                                                                                                                                                                                 |                  |                                         |           |                                                                                   |                   |                |                                    |                                        | <input type="checkbox"/> Other                 | <input type="checkbox"/> Gasoline Motor              |                                   |                                          |  |
| Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded               |      |                                                                                                                                                                                                                                 |                  |                                         |           | Meter ID# <u>PRO PSS Desi</u>                                                     |                   |                | Matrix: Fresh / <u>Marine</u> / DI |                                        |                                                |                                                      |                                   |                                          |  |
| Photos: <u>Yes</u> No                                                        |      | Flow: No Flow / Intestinal / <u>Flowing</u> NA                                                                                                                                                                                  |                  | Tides: <u>Rising</u> 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                                                                          | 0930 | .76                                                                                                                                                                                                                             | 0.3              | 0.76                                    | 5.0       | 69                                                                                | 7.34              | 9.9            | 17082                              | 29.3                                   |                                                |                                                      |                                   |                                          |  |
| CEN                                                                          |      |                                                                                                                                                                                                                                 |                  | 8                                       |           |                                                                                   |                   |                |                                    |                                        |                                                |                                                      |                                   |                                          |  |
| 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 / <input checked="" type="checkbox"/> W-NO2NO3 / <input checked="" type="checkbox"/> W-TKN / <input checked="" type="checkbox"/> W-TOC / <input checked="" type="checkbox"/> W-S-A-TP |                  |                                         |           | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4 |                   | SA9129100      | 5/2020                             | <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  |                   | NA8344050      | 12/2019                            | <input checked="" type="checkbox"/> <2 |                                                |                                                      |                                   |                                          |  |
| Filtered Nutrients                                                           |      | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                                   |                  |                                         |           | <input checked="" type="checkbox"/> Ice                                           |                   | R918A96875     |                                    |                                        |                                                |                                                      |                                   |                                          |  |
| Chlorophyll                                                                  |      | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                                                  |                  |                                         |           | <input checked="" type="checkbox"/> Ice                                           |                   |                |                                    |                                        |                                                |                                                      |                                   |                                          |  |
| Physical/Aggregate (Fresh)                                                   |      | <input type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS                                                                                                                            |                  |                                         |           | <input type="checkbox"/> Ice                                                      |                   |                |                                    |                                        |                                                |                                                      |                                   |                                          |  |
| Physical/Aggregate (Marine)                                                  |      | <input checked="" type="checkbox"/> Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                                                                                                                                              |                  |                                         |           | <input checked="" 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 type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input checked="" type="checkbox"/> Enterococci                                                                                                                 |                  |                                         |           | <input checked="" type="checkbox"/> Ice                                           |                   |                |                                    |                                        |                                                |                                                      |                                   |                                          |  |
| Molecular                                                                    |      | <input type="checkbox"/> PCR-FILTER <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-GULL2<br><input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-DG3 <input type="checkbox"/> PCR-GFD                |                  |                                         |           | <input type="checkbox"/> Ice                                                      |                   |                |                                    |                                        |                                                |                                                      |                                   |                                          |  |
| Tracers                                                                      |      | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> W-E8321-MS                                                                                                                                                         |                  |                                         |           | <input type="checkbox"/> Ice                                                      |                   |                |                                    |                                        |                                                |                                                      |                                   |                                          |  |
| Pesticides                                                                   |      | <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-CT-CL-R <input type="checkbox"/> W-E8321-DI<br><input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> WE8321-MS <input type="checkbox"/> W-CARB-AA          |                  |                                         |           | <input type="checkbox"/> Ice                                                      |                   |                |                                    |                                        |                                                |                                                      |                                   |                                          |  |
| Phytoplankton                                                                |      | <input type="checkbox"/> DTY-QN-C <input type="checkbox"/> PKD-QN-C                                                                                                                                                             |                  |                                         |           | <input type="checkbox"/> Ice                                                      |                   |                |                                    |                                        |                                                |                                                      |                                   |                                          |  |

Notes:

WIN ID/Field ID:



20030140

DUNN CR AT FAYE ROAD

Signature:

*Cheyanne Ruben*

Date:

7/24/19

LIMS EVENT ID:

WIN Import ID:

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:

(Initials/Date)

(Initials/Date)

(Initials/Date)

(Initials/Date)



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: DEER CR @ TALLEYRAND AVE

Date: 07/24/2019

(mm/dd/yyyy)

WIN/ Field ID: 20030792

WBID: 2256

Latitude: 30.341528

(Decimal Degrees)

County: Duval

ORG ID: 21FLA

Longitude: -81.629417

(Decimal Degrees)

Receiving Body of Water: SJR

RQ-2019- 07-22-08

| Sampling Team Members |  |  |  |  |  | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-----------------------|--|--|--|--|--|-----------------|-------------------|---------------|--------------|--------------------|
| Cheyanne Ruben        |  |  |  |  |  | X               | X                 | X             | X            | X                  |
| Amy Kalmbacher        |  |  |  |  |  |                 | X                 |               |              |                    |

| Sampling Equipment                                   |                                                                            |
|------------------------------------------------------|----------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Sample Container | <input type="checkbox"/> Van Dorn <input checked="" type="checkbox"/> Pole |
| <input type="checkbox"/> Carboy                      | <input type="checkbox"/> Syringe                                           |
| <input type="checkbox"/> Dipper                      | <input type="checkbox"/> Other                                             |
| Depth Measured with <u>Meter</u>                     |                                                                            |
| Equipment ID <u>Ortho #7</u>                         |                                                                            |

| Collection Method                              |                                         |
|------------------------------------------------|-----------------------------------------|
| <input type="checkbox"/> Wading                | <input type="checkbox"/> Canoe/Kayak    |
| <input checked="" 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# PRO DSS DESI Matrix: Fresh / Marine / DI

Photos: Yes / No Flow: No Flow / Intestinal / Flowing / NA

Tide: Rising / Falling / Slack / NA

Tide Times: High Am Low Am

| 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°)  |
|------------|-------------|-----------------|------------------|-----------------|-------------|--------------|-------------|----------------|--------------------|-------------|
| <u>EST</u> | <u>1015</u> | <u>0.1</u>      | <u>0.05</u>      | <u>0.1</u>      | <u>3.43</u> | <u>41.7%</u> | <u>7.33</u> | <u>0.36</u>    | <u>730</u>         | <u>25.4</u> |
| <u>CEN</u> |             |                 |                  | <u>S</u>        |             |              |             |                |                    |             |

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 / <input type="checkbox"/> W-NO2NO3 / <input type="checkbox"/> W-TKN / <input type="checkbox"/> W-TOC / <input type="checkbox"/> W-S-A-TP                                                                                                 | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4 | <u>SA9129100</u> | <u>5/20</u>  | <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  | <u>NA834050</u>  | <u>12/19</u> | <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                                           | <u>R9BA88375</u> |              |                                        |
| Chlorophyll                 | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                                                                                                      | <input checked="" type="checkbox"/> Ice                                           |                  |              |                                        |
| Physical/Aggregate (Fresh)  | <input type="checkbox"/> Alkalinity / <input type="checkbox"/> W-F / <input type="checkbox"/> W-TSS / <input type="checkbox"/> TURBIDITY / <input type="checkbox"/> W-CI-IC / <input type="checkbox"/> W-COLOR / <input type="checkbox"/> W-SO4-IC / <input type="checkbox"/> W-TDS | <input type="checkbox"/> Ice                                                      |                  |              |                                        |
| Physical/Aggregate (Marine) | <input checked="" type="checkbox"/> Alkalinity / <input type="checkbox"/> W-BR-IC / <input type="checkbox"/> W-F / <input type="checkbox"/> W-TSS / <input type="checkbox"/> TURBIDITY                                                                                              | <input checked="" 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 type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input checked="" type="checkbox"/> Enterococci                                                                                                                                                                     | <input checked="" type="checkbox"/> Ice                                           |                  |              |                                        |
| Molecular                   | <input type="checkbox"/> PCR-FILTER <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-GULL2<br><input checked="" type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-DG3 <input type="checkbox"/> PCR-GFD                                                         | <input checked="" type="checkbox"/> Ice                                           |                  |              |                                        |
| Tracers                     | <input checked="" type="checkbox"/> W-E8321-DI <input checked="" type="checkbox"/> W-E8321-MS                                                                                                                                                                                       | <input checked="" type="checkbox"/> Ice                                           |                  |              |                                        |
| Pesticides                  | <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-CT-CL-R <input type="checkbox"/> W-E8321-DI<br><input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> WE8321-MS <input type="checkbox"/> W-CARB-AA                                                              | <input type="checkbox"/> Ice                                                      |                  |              |                                        |
| Phytoplankton               | <input type="checkbox"/> DTY-QN-C <input type="checkbox"/> PKD-QN-C                                                                                                                                                                                                                 | <input type="checkbox"/> Ice                                                      |                  |              |                                        |

Contains: 1:1 HNO3  
Lot No.: NA8344050  
Expires: 12/10/19  
See Safety Data Sheet (SDS)

Contains: 1:1 H2SO4  
Lot No.: SA9129100  
Expires: 05/09/20  
See Safety Data Sheet (SDS)

Notes:

WIN ID/Field ID:



20030792

DEER CR @ TALLEYRAND AVE

Signature:

*Cheyanne R*

Date:

7/24/19

LIMS EVENT ID:

WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT:

QC Station ID, Field Parameters In LIMS DMT:

(Initials/Date)

(Initials/Date)

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data In WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes

No

WIN Station Name: Greenfield Cr @ end of Buccaneer Dr.

Date: 07/24/2019

(mm/dd/yyyy)

WIN/ Field ID: G2NE1154

WBID: 2240A

Latitude: 30.36191

(Decimal Degrees)

County: Duval

ORG ID: 21FLA

Longitude: -81.4630

(Decimal Degrees)

Receiving Body of Water: ICW

RQ-2019- 07-22-08

| Sampling Team Members                                                        |             |                                                                                                                                                                                                                                 |                  |                                          |            | WQ Measurements                                                                   | Sample Collection | Documentation    | Preservation                       | Preservation Check                                  | Sampling Equipment                                    |                                                      |                                   |                                          |  |
|------------------------------------------------------------------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------------------------------|------------|-----------------------------------------------------------------------------------|-------------------|------------------|------------------------------------|-----------------------------------------------------|-------------------------------------------------------|------------------------------------------------------|-----------------------------------|------------------------------------------|--|
| Cheyanne Ruben                                                               |             |                                                                                                                                                                                                                                 |                  |                                          |            |                                                                                   | X                 |                  |                                    |                                                     |                                                       | <input checked="" type="checkbox"/> Sample Container | <input type="checkbox"/> Van Dorn | <input checked="" type="checkbox"/> Pole |  |
| Amy Kalmbacher                                                               |             |                                                                                                                                                                                                                                 |                  |                                          |            | X                                                                                 |                   | X                | X                                  | X                                                   |                                                       | <input type="checkbox"/> Carboy                      | <input type="checkbox"/> Syringe  |                                          |  |
|                                                                              |             |                                                                                                                                                                                                                                 |                  |                                          |            |                                                                                   |                   |                  |                                    |                                                     |                                                       | <input type="checkbox"/> Dipper                      | <input type="checkbox"/> Other    |                                          |  |
|                                                                              |             |                                                                                                                                                                                                                                 |                  |                                          |            |                                                                                   |                   |                  |                                    |                                                     |                                                       | Depth Measured with <u>meter</u>                     |                                   |                                          |  |
|                                                                              |             |                                                                                                                                                                                                                                 |                  |                                          |            |                                                                                   |                   |                  |                                    |                                                     |                                                       | Equipment ID <u>prtho # 7</u>                        |                                   |                                          |  |
|                                                                              |             |                                                                                                                                                                                                                                 |                  |                                          |            |                                                                                   |                   |                  |                                    |                                                     | Collection Method                                     |                                                      |                                   |                                          |  |
|                                                                              |             |                                                                                                                                                                                                                                 |                  |                                          |            |                                                                                   |                   |                  |                                    |                                                     | <input type="checkbox"/> Wading                       | <input type="checkbox"/> Canoe/Kayak                 |                                   |                                          |  |
|                                                                              |             |                                                                                                                                                                                                                                 |                  |                                          |            |                                                                                   |                   |                  |                                    |                                                     | <input type="checkbox"/> From Shore                   | <input type="checkbox"/> Electric Motor              |                                   |                                          |  |
|                                                                              |             |                                                                                                                                                                                                                                 |                  |                                          |            |                                                                                   |                   |                  |                                    |                                                     | <input checked="" type="checkbox"/> Other <u>DOCK</u> | <input type="checkbox"/> Gasoline Motor              |                                   |                                          |  |
| Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded               |             |                                                                                                                                                                                                                                 |                  |                                          |            | Meter ID# <u>PROD55 DESI</u>                                                      |                   |                  | Matrix: Fresh / <u>Marine</u> / DI |                                                     |                                                       |                                                      |                                   |                                          |  |
| Photos: Yes / <u>No</u>                                                      |             | Flow: No Flow / Intestinal / <u>Flowing</u> / NA                                                                                                                                                                                |                  | Tide: <u>Rising</u> / Falling/ Slack/ NA |            | Tide Times: High                                                                  |                   | Low              |                                    | <u>AM</u>                                           |                                                       |                                                      |                                   |                                          |  |
| Time Zone                                                                    | Time        | Total Depth (m)                                                                                                                                                                                                                 | Sample Depth (m) | Secchi Disk (m)                          | DO (mg/L)  | DO (%SAT)                                                                         | pH                | Salinity (PPT)   | Sp COND (umhos/cm)                 | Temp. (C°)                                          |                                                       |                                                      |                                   |                                          |  |
| <u>EST</u>                                                                   | <u>1110</u> | <u>2.4</u>                                                                                                                                                                                                                      | <u>0.3</u>       | <u>0.8</u>                               | <u>4.5</u> | <u>66</u>                                                                         | <u>7.69</u>       | <u>22.0</u>      | <u>35219</u>                       | <u>29.2</u>                                         |                                                       |                                                      |                                   |                                          |  |
| 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 / <input checked="" type="checkbox"/> W-NO2NO3 / <input checked="" type="checkbox"/> W-TKN / <input checked="" type="checkbox"/> W-TOC / <input checked="" type="checkbox"/> W-S-A-TP |                  |                                          |            | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4 |                   | <u>SA8344070</u> |                                    | <u>12/19</u> <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  |                   | <u>NA8344050</u> |                                    | <u>12/19</u> <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 checked="" type="checkbox"/> Ice                                           |                   | <u>208A86875</u> |                                    |                                                     |                                                       |                                                      |                                   |                                          |  |
| Chlorophyll                                                                  |             | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                                                  |                  |                                          |            | <input checked="" type="checkbox"/> Ice                                           |                   |                  |                                    |                                                     |                                                       |                                                      |                                   |                                          |  |
| Physical/Aggregate (Fresh)                                                   |             | <input type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS                                                                                                                            |                  |                                          |            | <input type="checkbox"/> Ice                                                      |                   |                  |                                    |                                                     |                                                       |                                                      |                                   |                                          |  |
| Physical/Aggregate (Marine)                                                  |             | <input checked="" type="checkbox"/> Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                                                                                                                                              |                  |                                          |            | <input checked="" 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 type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input checked="" type="checkbox"/> Enterococci                                                                                                                 |                  |                                          |            | <input checked="" type="checkbox"/> Ice                                           |                   |                  |                                    |                                                     |                                                       |                                                      |                                   |                                          |  |
| Molecular                                                                    |             | <input type="checkbox"/> PCR-FILTER <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-GULL2                                                                                                                        |                  |                                          |            | <input checked="" type="checkbox"/> Ice                                           |                   |                  |                                    |                                                     |                                                       |                                                      |                                   |                                          |  |
|                                                                              |             | <input checked="" type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-DG3 <input type="checkbox"/> PCR-GFD                                                                                                                 |                  |                                          |            |                                                                                   |                   |                  |                                    |                                                     |                                                       |                                                      |                                   |                                          |  |
| Tracers                                                                      |             | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> W-E8321-MS                                                                                                                                                         |                  |                                          |            | <input type="checkbox"/> Ice                                                      |                   |                  |                                    |                                                     |                                                       |                                                      |                                   |                                          |  |
| Pesticides                                                                   |             | <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-CT-CL-R <input type="checkbox"/> W-E8321-DI                                                                                                                       |                  |                                          |            | <input type="checkbox"/> Ice                                                      |                   |                  |                                    |                                                     |                                                       |                                                      |                                   |                                          |  |
|                                                                              |             | <input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> WE8321-MS <input type="checkbox"/> W-CARB-AA                                                                                                                       |                  |                                          |            |                                                                                   |                   |                  |                                    |                                                     |                                                       |                                                      |                                   |                                          |  |
| Phytoplankton                                                                |             | <input type="checkbox"/> DTY-QN-C <input type="checkbox"/> PKD-QN-C                                                                                                                                                             |                  |                                          |            | <input type="checkbox"/> Ice                                                      |                   |                  |                                    |                                                     |                                                       |                                                      |                                   |                                          |  |

Contains: 1:1 H2SO4  
Lot No.: SA8344070  
Expires: 12/10/19  
See Safety Data Sheet (SDS)

Contains: 1:1 HNO3  
Lot No.: NA8344050  
Expires: 12/10/19  
See Safety Data Sheet (SDS)

Contains: 1:1 H2SO4  
Lot No.: SA8344070  
Expires: 12/10/19  
See Safety Data Sheet (SDS)

Notes:

WIN ID/Field ID:



G2NE1154

Greenfield end of Buccaneer dr.

Signature: Cheyenne R

Date: 7/24/19

LIMS EVENT ID:

WIN Import ID:

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:



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?  
Yes / No

WIN Station Name: St. Johns River at Ft. Caroline dock

Date: 07/24/2019  
(mm/dd/yyyy)

WIN/ Field ID: G2NE1179 WBID: 2213B Latitude: 30.387120  
(Decimal Degrees)

County: Duval ORG ID: 21FLA Longitude: -81.49905  
(Decimal Degrees)

Receiving Body of Water: Atlantic Ocean RQ-2019-07-22-08

| Sampling Team Members |  |  |  |  | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation |
|-----------------------|--|--|--|--|-----------------|-------------------|---------------|--------------|--------------|
| Cheyanne Ruben        |  |  |  |  |                 |                   |               |              |              |
| Amy Kalmbacher        |  |  |  |  |                 |                   |               |              |              |

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

| Collection Method                   |                                         |
|-------------------------------------|-----------------------------------------|
| <input 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# Matrix: Fresh / Marine / DI

Photos: Yes / No Flow: No Flow / Intestinal / 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       |      |                 |                  |                 |           |           |    |                |                    |            |
| 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 type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                                                                                                                                   | <input type="checkbox"/> Ice <input type="checkbox"/> H2SO4 |      |            | <input 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 type="checkbox"/> W-PO4-F <input type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                                                | <input type="checkbox"/> Ice                                |      |            |                             |
| Chlorophyll                 | <input type="checkbox"/> CHLSUITE-W                                                                                                                                                                                    | <input type="checkbox"/> Ice                                |      |            |                             |
| Physical/Aggregate (Fresh)  | <input type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-CI-IC / W-COLOR / W-SO4-IC / W-TDS                                                                                                                   | <input type="checkbox"/> Ice                                |      |            |                             |
| Physical/Aggregate (Marine) | <input type="checkbox"/> Alkalinity / W-BR-IC / 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 type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococci                                                                                                                   | <input type="checkbox"/> Ice                                |      |            |                             |
| Molecular                   | <input type="checkbox"/> PCR-FILTER <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-GULL2<br><input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-DG3 <input type="checkbox"/> PCR-GFD       | <input type="checkbox"/> Ice                                |      |            |                             |
| Tracers                     | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> W-E8321-MS                                                                                                                                                | <input type="checkbox"/> Ice                                |      |            |                             |
| Pesticides                  | <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-CT-CL-R <input type="checkbox"/> W-E8321-DI<br><input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> WE8321-MS <input type="checkbox"/> W-CARB-AA | <input type="checkbox"/> Ice                                |      |            |                             |
| Phytoplankton               | <input type="checkbox"/> DTY-QN-C <input type="checkbox"/> PKD-QN-C                                                                                                                                                    | <input type="checkbox"/> Ice                                |      |            |                             |

Notes: Not sampled 7/24/19 due to Thunderstorm.

WIN ID/Field ID: G2NE1179

St. Johns River at Ft. Caroline dock

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

LIMS EVENT ID: \_\_\_\_\_ WIN Import ID: \_\_\_\_\_

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: \_\_\_\_\_

# Florida Department of Environmental Protection

## Central Laboratory Submittal Form

Customer: NE-DIST

Project ID: SMP

Requester: Jeremy M. Parrish

Field Report Prepared By: C Ruben

Collected By: C Ruben / A Kalmbacher

Sampling Agency: FDEP DEAR NE ROC

|                                |                                                                                                 |                                                                           |                                                             |                                 |                                                                                 |                     |                 |  |
|--------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------|---------------------------------|---------------------------------------------------------------------------------|---------------------|-----------------|--|
| WIN ID/Field ID:               | <br>20030491   | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab |                                                             | Collection (comp begin or grab) | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end       | Bottle Group(s) |  |
| SISTERS CREEK AT HECKSCHER DR  |                                                                                                 | Matrix (type, e.g., Salt, Fresh, etc)                                     | Date                                                        | Time                            | Diss. Oxygen                                                                    | Total Res. Chlorine | C               |  |
|                                |                                                                                                 | Marine                                                                    | 7/24/19                                                     | 0900                            | 5.49                                                                            | (mg/L)              |                 |  |
|                                |                                                                                                 | Temp (C)                                                                  | pH                                                          | Sample Depth                    | Sp. Conductance                                                                 | (umho/cm)           |                 |  |
|                                |                                                                                                 | 28.8                                                                      | 7.80                                                        | 0.3                             | 36,322                                                                          |                     |                 |  |
| Latitude                       | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                                     | Longitude                                                                 | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Salinity (ppt)                  | Comments                                                                        |                     |                 |  |
|                                |                                                                                                 |                                                                           |                                                             | 22.85                           |                                                                                 |                     |                 |  |
| WIN ID/Field ID:               | <br>20030140   | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab |                                                             | Collection (comp begin or grab) | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end       | Bottle Group(s) |  |
| DUNN CR AT FAYE ROAD           |                                                                                                 | Matrix (type, e.g., Salt, Fresh, etc)                                     | Date                                                        | Time                            | Diss. Oxygen                                                                    | Total Res. Chlorine | C               |  |
|                                |                                                                                                 | Marine                                                                    | 7/24/19                                                     | 0930                            | 5.0                                                                             | (mg/L)              |                 |  |
|                                |                                                                                                 | Temp (C)                                                                  | pH                                                          | Sample Depth                    | Sp. Conductance                                                                 | (umho/cm)           |                 |  |
|                                |                                                                                                 | 29.3                                                                      | 7.34                                                        | 0.3                             | 17082                                                                           |                     |                 |  |
| Latitude                       | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                                     | Longitude                                                                 | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Salinity (ppt)                  | Comments                                                                        |                     |                 |  |
|                                |                                                                                                 |                                                                           |                                                             | 9.9                             |                                                                                 |                     |                 |  |
| WIN ID/Field ID:               | <br>20030792   | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab |                                                             | Collection (comp begin or grab) | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end       | Bottle Group(s) |  |
| DEER CR @ TALLEYRAND AVE       |                                                                                                 | Matrix (type, e.g., Salt, Fresh, etc)                                     | Date                                                        | Time                            | Diss. Oxygen                                                                    | Total Res. Chlorine | A               |  |
|                                |                                                                                                 | Fresh                                                                     | 7/24/19                                                     | 1015                            | 3.43                                                                            | (mg/L)              |                 |  |
|                                |                                                                                                 | Temp (C)                                                                  | pH                                                          | Sample Depth                    | Sp. Conductance                                                                 | (umho/cm)           |                 |  |
|                                |                                                                                                 | 25.4                                                                      | 7.33                                                        | 0.05                            | 730                                                                             |                     |                 |  |
| Latitude                       | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                                     | Longitude                                                                 | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Salinity (ppt)                  | Comments                                                                        |                     |                 |  |
|                                |                                                                                                 |                                                                           |                                                             | 0.36                            |                                                                                 |                     |                 |  |
| WIN ID/Field ID:               | <br>G2NE1154 | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab |                                                             | Collection (comp begin or grab) | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end       | Bottle Group(s) |  |
| Greenfield end of Bucaneer dr. |                                                                                                 | Matrix (type, e.g., Salt, Fresh, etc)                                     | Date                                                        | Time                            | Diss. Oxygen                                                                    | Total Res. Chlorine | B               |  |
|                                |                                                                                                 | Marine                                                                    | 7/24/19                                                     | 1110                            | 4.5                                                                             | (mg/L)              |                 |  |
|                                |                                                                                                 | Temp (C)                                                                  | pH                                                          | Sample Depth                    | Sp. Conductance                                                                 | (umho/cm)           |                 |  |
|                                |                                                                                                 | 29.2                                                                      | 7.69                                                        | 0.3                             | 35219                                                                           |                     |                 |  |
| Latitude                       | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                                     | Longitude                                                                 | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Salinity (ppt)                  | Comments                                                                        |                     |                 |  |
|                                |                                                                                                 |                                                                           |                                                             | 22.0                            |                                                                                 |                     |                 |  |

|                  |              |                 |                            |              |           |
|------------------|--------------|-----------------|----------------------------|--------------|-----------|
| Relinquished By: | Date/Time    | Shipping Method | Number of Coolers Shipped: | Received By: | Date/Time |
| Chyan R          | 7/24/19 1536 | Fedex           | 2                          |              |           |

|          |                                                    |                |                 |               |               |                                     |          |
|----------|----------------------------------------------------|----------------|-----------------|---------------|---------------|-------------------------------------|----------|
| Group: A | Bottle Type:                                       | P-1L           | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1        |
|          | ALKALINITY<br>TURBIDITY<br>W-BR-IC<br>W-F<br>W-TSS |                |                 |               |               |                                     |          |
| Group: A | Bottle Type:                                       | BP-1L          | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1        |
|          | CHLSUITE-W                                         |                |                 |               |               |                                     |          |
| Group: A | Bottle Type:                                       | P-250ML-WI-THI | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 to ALS |
|          | NE-ALS-ENQ                                         |                |                 |               |               |                                     |          |
| Group: A | Bottle Type:                                       | QPCR-P-500ML   | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1        |
|          | PCR-HF183                                          |                |                 |               |               |                                     |          |
| Group: A | Bottle Type:                                       | BG-500ML       | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1        |
|          | W-E8321-DI<br>W-E8321-MS                           |                |                 |               |               |                                     |          |
| Group: A | Bottle Type:                                       | P-500ML        | # of Bottles: 1 | Preservative: | HNO3          | Enter Number of Bottles Sent to Lab | 1        |
|          | W-ICP<br>W-ICPMS                                   |                |                 |               |               |                                     |          |
| Group: A | Bottle Type:                                       | P-500ML        | # of Bottles: 1 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 1        |
|          | W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC    |                |                 |               |               |                                     |          |
| Group: A | Bottle Type:                                       | P-125ML        | # of Bottles: 1 | Preservative: | FILTER-ICE    | Enter Number of Bottles Sent to Lab | 1        |
|          | W-PO4-F                                            |                |                 |               |               |                                     |          |
| Group: B | Bottle Type:                                       | P-1L           | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1        |
|          | ALKALINITY<br>TURBIDITY<br>W-BR-IC<br>W-F<br>W-TSS |                |                 |               |               |                                     |          |

|          |                                                                    |                |                 |                             |                                     |          |
|----------|--------------------------------------------------------------------|----------------|-----------------|-----------------------------|-------------------------------------|----------|
| Group: B | Bottle Type:<br>CHLSUITE-W                                         | BP-1L          | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 1        |
| Group: B | Bottle Type:<br>NE-ALS-ENQ                                         | P-250ML-WI-THI | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 1 to ALS |
| Group: B | Bottle Type:<br>PCR-FILTER                                         | QPCR-P-500ML   | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 1        |
| Group: B | Bottle Type:<br>W-E8321-DI<br>W-E8321-MS                           | BG-500ML       | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 1        |
| Group: B | Bottle Type:<br>W-ICP<br>W-ICPMS                                   | P-500ML        | # of Bottles: 1 | Preservative: HNO3          | Enter Number of Bottles Sent to Lab | 1        |
| 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 | 1        |
| Group: B | Bottle Type:<br>W-PO4-F                                            | P-125ML        | # of Bottles: 1 | Preservative: FILTER-ICE    | Enter Number of Bottles Sent to Lab | 1        |
| Group: C | Bottle Type:<br>ALKALINITY<br>TURBIDITY<br>W-BR-IC<br>W-F<br>W-TSS | P-1L           | # of Bottles: 3 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 2        |
| Group: C | Bottle Type:<br>CHLSUITE-W                                         | BP-1L          | # of Bottles: 3 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 2        |
| Group: C | Bottle Type:<br>NE-ALS-ENQ                                         | P-250ML-WI-THI | # of Bottles: 3 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 2 to ALS |
| Group: C | Bottle Type:<br>W-ICP                                              | P-500ML        | # of Bottles: 3 | Preservative: HNO3          | Enter Number of Bottles Sent to Lab | 2        |

|          |              |         |                 |               |               |                                     |          |
|----------|--------------|---------|-----------------|---------------|---------------|-------------------------------------|----------|
| Group: C | Bottle Type: | P-500ML | # of Bottles: 3 | Preservative: | HNO3          | Enter Number of Bottles Sent to Lab | <u>2</u> |
|          | W-ICPMS      |         |                 |               |               |                                     |          |
| Group: C | Bottle Type: | P-500ML | # of Bottles: 3 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab | <u>2</u> |
|          | W-NH3        |         |                 |               |               |                                     |          |
|          | W-NO2NO3     |         |                 |               |               |                                     |          |
|          | W-S-A-TP     |         |                 |               |               |                                     |          |
|          | W-TKN        |         |                 |               |               |                                     |          |
|          | W-TOC        |         |                 |               |               |                                     |          |
| Group: C | Bottle Type: | P-125ML | # of Bottles: 3 | Preservative: | FILTER-ICE    | Enter Number of Bottles Sent to Lab | <u>2</u> |
|          | W-PO4-F      |         |                 |               |               |                                     |          |

