

# 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- 2019-07-08-15 Project: LSJR Southside

- 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 \_\_\_\_\_

| DO<br>DEP SOP<br>FT 1500 | Name     | Date    | Time<br>CT-ET | Temp<br>°C | Baro-<br>meter<br>mmHg | D.O.<br>Chart<br>mg/L | Meter<br>D.O.<br>mg/L | % DO   | Probe<br>Charge | Probe<br>Gain | Pass<br>/ Fail | Lab<br>/ Field |
|--------------------------|----------|---------|---------------|------------|------------------------|-----------------------|-----------------------|--------|-----------------|---------------|----------------|----------------|
| Calibr.                  | C. Ruben | 7.10.19 | 0732          | 23.4       | 761                    | 8.5                   | 8.51                  | 99.8%  | -               | -             | (P) F          | (L) F          |
| ICV                      | ↓        | ↓       | 0733          | 23.5       | 761                    | 8.5                   | 8.50                  | 100.1% | -               | -             | (P) F          | (L) F          |
| CCV                      | ↓        | ↓       | 1415          | 23.6       | 760                    | 8.50                  | 8.49                  | 100.3% | -               | -             | (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.<br>Cond.<br>FT 1200 | Name     | Date    | Time<br>CT-ET | Lot #   | Expir.<br>Date | Standard<br>$\mu$ hos/cm | Meter<br>Reading<br>$\mu$ hos/cm | Pass<br>/ Fail | Lab<br>/ Field |
|---------------------------|----------|---------|---------------|---------|----------------|--------------------------|----------------------------------|----------------|----------------|
| Calibr.                   | C. Ruben | 7.10.19 | 0735          | 190430A | 5/2020         | 1000                     | 999                              | (P) F          | (L) F          |
| ICV                       | ↓        | ↓       | 0737          | 190319B | 3/2020         | 100                      | 105                              | (P) F          | (L) F          |
| CCV                       | ↓        | ↓       | 1418          | 180919  | 9/2019         | 50,000                   | 49524                            | (P) F          | (L) F          |
| CCV                       |          |         |               |         |                |                          |                                  | P / F          | L / F          |

Conductivity Acceptance criteria  $\pm 5\%$

| pH<br>DEP SOP<br>FT 1100 | Name     | Date    | Time<br>CT-ET | Lot #   | Expir.<br>Date | pH<br>Buffer<br>SU | Temp<br>°C | Meter<br>reading<br>SU | mV     | Pass<br>/ Fail | Lab<br>/ Field |
|--------------------------|----------|---------|---------------|---------|----------------|--------------------|------------|------------------------|--------|----------------|----------------|
| Calibr.                  | C. Ruben | 7.10.19 | 0739          | 2904CS4 | 3/2021         | 7.                 | 24.7       | 7.10                   | -17.1  | (P) F          | (L) F          |
| Calibr.                  | ↓        | ↓       | 0741          | 2904B00 | 3/2021         | 4.                 | 24.7       | 4.02                   | 165.3  | (P) F          | (L) F          |
| Calibr.                  | ↓        | ↓       | 0743          | 2901BS1 | 7/2020         | 10.                | 24.8       | 10.0                   | -188.0 | (P) F          | (L) F          |
| ICV                      | ↓        | ↓       | 0747          | 2904CS4 | 3/2021         | 7.0                | 24.5       | 7.03                   | -14.8  | (P) F          | (L) F          |
| CCV                      | ↓        | ↓       | 1422          | 2904B00 | 3/2021         | 4.0                | 24.4       | 3.97                   | 165.4  | (P) F          | (L) F          |
| CCV                      |          |         |               |         |                |                    |            |                        |        | P / F          | L / F          |

pH Acceptance criteria  $\pm 0.2$  SU; mV pH 7 Range 0  $\pm$  50; mV pH 4 Range +180  $\pm$  50; mV pH 10 Range -180  $\pm$  50;

If mV are recorded: slope from 7 to 10 \_\_\_\_\_, 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<br>(Daily Calibration &<br>ICV) | Name     | Date    | Time<br>CT-ET | Calibrated<br>Value (0.00 or<br>Offset), meters | ICV Value,<br>meters | Pass /<br>Fail | Lab /<br>Field |
|----------------------------------------------|----------|---------|---------------|-------------------------------------------------|----------------------|----------------|----------------|
| Pressure mode In air                         | C. Ruben | 7.10.19 |               | 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:

CR 7/10/19





# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: CORMORANT BRANCH @ MARBON RD

Date: 7/10/19  
(mm/dd/yyyy)

WIN/ Field ID: 20030852

WBID: 2381

Latitude: 30.1785

(Decimal Degrees)

County: Duval

ORG ID: 21FLA

Longitude: -81.6378

(Decimal Degrees)

Receiving Body of Water: Julington Creek

RQ-2019- 07-08-15

| Sampling Team Members                                                        |                                                                                                                                                                                                                     |                 |                  |                 |           | WQ Measurements                                                                   | Sample Collection | Documentation  | Preservation                | Preservation Check | Sampling Equipment                                   |                                         |                                          |  |  |
|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------|-----------------|-----------|-----------------------------------------------------------------------------------|-------------------|----------------|-----------------------------|--------------------|------------------------------------------------------|-----------------------------------------|------------------------------------------|--|--|
| C. Ruben<br>A. Kalmbacher                                                    |                                                                                                                                                                                                                     |                 |                  |                 |           | X                                                                                 | X                 | X              | X                           | X                  | <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 / <u>Normal</u> / High / Flooded               |                                                                                                                                                                                                                     |                 |                  |                 |           | Meter ID# <u>PRO DSS Desi</u>                                                     |                   |                | Matrix: Fresh / Marine / DI |                    |                                                      |                                         |                                          |  |  |
| Photos: Yes / <u>No</u> / Flow: No Flow / Intertidal / <u>Flowing</u> / NA   |                                                                                                                                                                                                                     |                 |                  |                 |           | Tide: Rising/ Falling/ Slack/ <u>NA</u>                                           |                   |                | Tide Times: High Low        |                    |                                                      |                                         |                                          |  |  |
| Time Zone                                                                    | Time                                                                                                                                                                                                                | Total Depth (m) | Sample Depth (m) | Secchi Disk (m) | DO (mg/L) | DO (%SAT)                                                                         | pH                | Salinity (PPT) | Sp COND (umhos/cm)          | Temp. (C°)         |                                                      |                                         |                                          |  |  |
| EST                                                                          | 1240                                                                                                                                                                                                                | 0.3             | 0.15             | 0.3             | 4.84      | 60.7%                                                                             | 7.03              | 0.11           | 244                         | 27.0               |                                                      |                                         |                                          |  |  |
| CEN                                                                          |                                                                                                                                                                                                                     |                 |                  | S               |           |                                                                                   |                   |                |                             |                    |                                                      |                                         |                                          |  |  |
| 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 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 | SA8344070         | 12/19          | X <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         | 12/19          | X <2                        |                    |                                                      |                                         |                                          |  |  |
| Filtered Nutrients                                                           | <input checked="" type="checkbox"/> W-PO4-F <input type="checkbox"/> Field Filtered 0.45 um Filter                                                                                                                  |                 |                  |                 |           | <input checked="" type="checkbox"/> Ice                                           | 298A86875         |                |                             |                    |                                                      |                                         |                                          |  |  |
| Chlorophyll                                                                  | <input checked="" type="checkbox"/> CHL-SUITE W <u>CR</u>                                                                                                                                                           |                 |                  |                 |           | <input type="checkbox"/> Ice                                                      |                   |                |                             |                    |                                                      |                                         |                                          |  |  |
| Physical/Aggregate (Fresh)                                                   | <input checked="" type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W-TDS                                                                                                     |                 |                  |                 |           | <input checked="" 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 checked="" type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococci                                                                                                     |                 |                  |                 |           | <input checked="" type="checkbox"/> Ice                                           |                   |                |                             |                    |                                                      |                                         |                                          |  |  |
| Molecular                                                                    | <input type="checkbox"/> PCR-FILTER <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-GULL2 <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 <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 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.: 298A86875 Expires: 12/10/19 See Safety Data Sheet (SDS)

Notes:

Signature: C. Ruben

WIN / Field ID:



20030852

CORMORANT BRANCH  
@ MARBON RD

Date: 7/10/19

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

CR 7/10/19

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: Miramar at San Jose

Date: 7/10/19  
(mm/dd/yyyy)

WIN/ Field ID: G2NE1164

WBID: 2304

Latitude: 30.28413  
(Decimal Degrees)

County: Duval

ORG ID: 21 FLA

Longitude: 81.65618  
(Decimal Degrees)

Receiving Body of Water: SJR

RQ-2019- 07-08-15

| Sampling Team Members                   |  |  |  |  | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-----------------------------------------|--|--|--|--|-----------------|-------------------|---------------|--------------|--------------------|
| <u>C. Ruben</u><br><u>A. Kalmbacher</u> |  |  |  |  | X               | X                 | X             | X            | X                  |
|                                         |  |  |  |  | X               | X                 | X             | X            | 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 Low ~1030

| 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       | 0905 | 0.38            | 0.3              | 0.38            | 2.15      | 28.51     | 6.87 | 5.68           | 10116              | 27.9       |
| CEN       |      |                 |                  | 5               |           |           |      |                |                    |            |

Biological Samples Collected: None HA SCI RPS Algae ID LVS LVI Other:

SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#:

| Parameter Suite             | Parameter Methods                                                                                                                                                                                                      | Preservation                                                                      | Lot#      | Expiration | pH Check                               |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------|------------|----------------------------------------|
| Preserved Nutrients         | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                                                                                                                        | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4 | SA8344070 | 12/19      | <input checked="" type="checkbox"/> <2 |
| Metals                      | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP                                                                                                                                                        | <input type="checkbox"/> Ice <input type="checkbox"/> HNO3                        |           |            | <input type="checkbox"/> <2            |
| Filtered Nutrients          | <input checked="" type="checkbox"/> W-PO4-F <input type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                                     | <input checked="" type="checkbox"/> Ice                                           | R9888685  |            |                                        |
| 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 type="checkbox"/> Ice                                                      |           |            |                                        |
| Macroinvertebrates          | <input type="checkbox"/> MI-FW-QLDC                                                                                                                                                                                    | <input type="checkbox"/> Formalin                                                 |           |            |                                        |
| Periphyton                  | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                                      | <input type="checkbox"/> Ice                                                      |           |            |                                        |
| Microbiology                | <input checked="" type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input checked="" type="checkbox"/> Enterococci CR                                                                                          | <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                                                                                                                                                    |                                                                                   |           |            |                                        |

Notes:

WIN / Field ID: G2NE1164

Miramar at San Jose

Signature: Chyan R Date: 7/10/19

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 7/10/19 (Initials/Date) Migrate Data to WIN: (Initials/Date) Verify Data In WIN: (Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: OLDFIELD CR @ JULINGTON CREEK ROAD

Date: 7/10/19  
(mm/dd/yyyy)

WIN/ Field ID: 20030684

WBID: 2370

Latitude: 30.138638

(Decimal Degrees)

County: Duval

ORG ID: 21FLA

Longitude: 81.60608

(Decimal Degrees)

Receiving Body of Water: Junington Creek

RQ-2019- 07-08-15

| Sampling Team Members |  |  |  |  |  | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-----------------------|--|--|--|--|--|-----------------|-------------------|---------------|--------------|--------------------|
| C Ruben               |  |  |  |  |  | X               | X                 |               |              |                    |
| A Kalmbacher          |  |  |  |  |  |                 | X                 | X             | X            | 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 / <u>Normal</u> / High / Flooded |      |                                                  |                  |                                         |           | Meter ID# <u>PRO DSS Desi</u> |      | Matrix: <u>Fresh</u> / Marine / DI |                    |            |
|----------------------------------------------------------------|------|--------------------------------------------------|------------------|-----------------------------------------|-----------|-------------------------------|------|------------------------------------|--------------------|------------|
| Photos: Yes / <u>No</u>                                        |      | Flow: No Flow / Intestinal / <u>Flowing</u> / NA |                  | Tide: Rising/ Falling/ Slack/ <u>NA</u> |           | Tide Times: High              |      | Low                                |                    |            |
| Time Zone                                                      | Time | Total Depth (m)                                  | Sample Depth (m) | Secchi Disk (m)                         | DO (mg/L) | DO (%SAT)                     | pH   | Salinity (PPT)                     | Sp COND (umhos/cm) | Temp. (C°) |
| EST                                                            | 1215 | 1.55                                             | 0.3              | 1.1                                     | 2.09      | 263%                          | 6.80 | 0.20                               | 428.5              | 27.3       |
| CEN                                                            |      |                                                  | 1.0              |                                         | 1.63      | 205%                          | 6.70 | 0.18                               | 370.3              | 27.2       |

| 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>SAB344070</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>NA9099030</u> | <u>4/20</u>  | <input checked="" type="checkbox"/> <2 |  |  |
| Filtered Nutrients                                                           | <input checked="" type="checkbox"/> W-PO4-F <input type="checkbox"/> Field Filtered 0.45 um Filter                                                                                                                                                                                                                                                                          |  |  |  | <input checked="" type="checkbox"/> Ice                                           | <u>R98A86875</u> |              |                                        |  |  |
| Chlorophyll                                                                  | <input type="checkbox"/> CHLSUITE W                                                                                                                                                                                                                                                                                                                                         |  |  |  | <input type="checkbox"/> Ice                                                      |                  |              |                                        |  |  |
| Physical/Aggregate (Fresh)                                                   | <input checked="" type="checkbox"/> Alkalinity / <input checked="" type="checkbox"/> W-F / <input checked="" type="checkbox"/> W-TSS / <input checked="" type="checkbox"/> TURBIDITY / <input checked="" type="checkbox"/> W-CH-IC / <input checked="" type="checkbox"/> W-COLOR / <input checked="" type="checkbox"/> W-SO4-IC / <input checked="" type="checkbox"/> W-TDS |  |  |  | <input checked="" type="checkbox"/> Ice                                           |                  |              |                                        |  |  |
| Physical/Aggregate (Marine)                                                  | <input type="checkbox"/> Alkalinity / <input type="checkbox"/> W-BR-IC / <input type="checkbox"/> W-F / <input type="checkbox"/> W-TSS / <input type="checkbox"/> TURBIDITY                                                                                                                                                                                                 |  |  |  | <input type="checkbox"/> Ice                                                      |                  |              |                                        |  |  |
| Macroinvertebrates                                                           | <input type="checkbox"/> MI-FW-QLDC                                                                                                                                                                                                                                                                                                                                         |  |  |  | <input type="checkbox"/> Formalin                                                 |                  |              |                                        |  |  |
| Periphyton                                                                   | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                                                                                                                                                                                           |  |  |  | <input type="checkbox"/> Ice                                                      |                  |              |                                        |  |  |
| Microbiology                                                                 | <input checked="" type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococci                                                                                                                                                                                                                                                             |  |  |  | <input checked="" type="checkbox"/> Ice                                           |                  |              |                                        |  |  |
| Molecular                                                                    | <input type="checkbox"/> PCR-FILTER <input type="checkbox"/> PCR-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:

Signature: Chylene R

Date: 7/10/19

LIMS EVENT ID: WIN Import ID: QC Station ID, Field Parameters In LIMS DMT:

Enter Field Parameters, Verify Station ID In LIMS DMT: (Initials/Date)

Scan/Save Field Sheets 7/10/19 (Initials/Date) Migrate Data to WIN: (Initials/Date) Verify Data In WIN: (Initials/Date)

WIN / Field ID:



20030684

OLDFIELD CR @ JULINGTON CREEK ROAD

Contains: 1:1 H2SO4  
Lot No.: SAB344070  
Expires: 12/10/19  
See Safety Data Sheet (SDS)

Contains: 1:1 HNO3  
Lot No.: NA9099030  
Expires: 04/09/20  
See Safety Data Sheet (SDS)

Contains: 1:1 H2SO4  
Lot No.: SAB344070  
Expires: 12/10/19  
See Safety Data Sheet (SDS)



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Date Qualified?

Yes ☒ No ☐

WIN Station Name: DEEP BOTTOM CREEK AT SCOTT MILL RD

Date: 7/10/19  
(mm/dd/yyyy)

WIN/ Field ID: 20030595

WBID: 2361

Latitude: 30.1785

(Decimal Degrees)

County: Duval

ORG ID: 21FLA

Longitude: 81.6378

(Decimal Degrees)

Receiving Body of Water: SJR

RQ-2019- 0708-15

| Sampling Team Members |  |  |  |  | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-----------------------|--|--|--|--|-----------------|-------------------|---------------|--------------|--------------------|
| C Ruben               |  |  |  |  | X               | X                 |               |              |                    |
| A Kalmbacher          |  |  |  |  |                 | X                 | X             | 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 meter                            |                                   |                                          |
| Equipment ID ortho # 7                               |                                   |                                          |

| 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 Low

| 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°) |
|-----------|------|-----------------|------------------|-----------------|-----------|-----------|------|----------------|--------------------|------------|
| EST       | 1140 | 1.215           | 0.3              | 0.9             | 34.3      | 2.70      | 6.92 | 0.12           | 252                | 27.8       |
| CEN       |      |                 |                  |                 | 2.70      | 34.3%     |      |                |                    |            |

Biological Samples Collected: None HA SCI RPS Algae ID LVS LVI Other:

SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#: 2

| 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-ATP                                                                                                                                              | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4 | SA8344070                                                                                     | 12/19      | <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                                                                                     | 12/19      | <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                                           | R98A86875                                                                                     |            |                                        |
| Chlorophyll                 | <input type="checkbox"/> CHL-SUITE-W                                                                                                                                                                                                                                                                                                                                        | <input type="checkbox"/> Ice                                                      |                                                                                               |            |                                        |
| Physical/Aggregate (Fresh)  | <input checked="" type="checkbox"/> Alkalinity / <input checked="" type="checkbox"/> W-F / <input checked="" type="checkbox"/> W-TSS / <input checked="" type="checkbox"/> TURBIDITY / <input checked="" type="checkbox"/> W-CH-IC / <input checked="" type="checkbox"/> W-COLOR / <input checked="" type="checkbox"/> W-SO4-IC / <input checked="" type="checkbox"/> W-TDS | <input checked="" type="checkbox"/> Ice                                           | Contains: 1:1 H2SO4<br>Lot No.: SA8344070<br>Expires: 12/10/19<br>See Safety Data Sheet (SDS) |            |                                        |
| Physical/Aggregate (Marine) | <input type="checkbox"/> Alkalinity / <input type="checkbox"/> W-BR-IC / <input type="checkbox"/> W-F / <input type="checkbox"/> W-TSS / <input type="checkbox"/> TURBIDITY                                                                                                                                                                                                 | <input type="checkbox"/> Ice                                                      |                                                                                               |            |                                        |
| Macroinvertebrates          | <input type="checkbox"/> MI-FW-QLDC                                                                                                                                                                                                                                                                                                                                         | <input type="checkbox"/> Formalin                                                 |                                                                                               |            |                                        |
| Periphyton                  | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                                                                                                                                                                                           | <input type="checkbox"/> Ice                                                      |                                                                                               |            |                                        |
| Microbiology                | <input checked="" type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococci                                                                                                                                                                                                                                                             | <input checked="" type="checkbox"/> Ice                                           |                                                                                               |            |                                        |
| Molecular                   | <input type="checkbox"/> PCR-FILTER <input type="checkbox"/> PCR-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 / Field ID:



20030595

DEEP BOTTOM CREEK AT SCOTT MILL RD

Signature: Chyan R Date: 7/10/19

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 QR 7/10/19 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: BIG POTTSBURG CR BOWDEN RD

Date: 7/10/19  
(mm/dd/yyyy)

WIN/ Field ID: 20030068

WBID: 2265C

Latitude: 30.25725

(Decimal Degrees)

County: Duval

ORG ID: 21FLA

Longitude: 81.58094

(Decimal Degrees)

Receiving Body of Water: Arlington River

RQ-2019-07-08-15

| Sampling Team Members |  |  |  |  | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-----------------------|--|--|--|--|-----------------|-------------------|---------------|--------------|--------------------|
| C Ruben               |  |  |  |  | X               | X                 |               |              |                    |
| A Kalmbacher          |  |  |  |  |                 | X                 | X             | X            | 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 #</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 DSS DESI</u>           |           | Matrix: <u>Fresh</u> / Marine / DI |                |                    |            |
|----------------------------------------------------------------|------|--------------------------------------------------|------------------|-----------------|-----------------------------------------|-----------|------------------------------------|----------------|--------------------|------------|
| Photos: <u>Yes</u> / <u>No</u>                                 |      | Flow: No Flow / Intestinal / <u>Flowing</u> / NA |                  |                 | Tide: Rising/ Falling/ Slack/ <u>NA</u> |           | Tide Times: High Low               |                |                    |            |
| Time Zone                                                      | Time | Total Depth (m)                                  | Sample Depth (m) | Secchi Disk (m) | DO (mg/L)                               | DO (%SAT) | pH                                 | Salinity (PPT) | Sp COND (umhos/cm) | Temp. (C°) |
| EST                                                            | 0930 | 0.35                                             | 0.17             | 0.35            | 3.33                                    | 42.6%     | 7.03                               | 0.14           | 305.5              | 26.9       |
| CEN                                                            |      |                                                  |                  | 5               |                                         |           |                                    |                |                    | 27.3       |

| 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>SAB344070</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>NA9099030</u> | <u>4/20</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>R98A86875</u> |              |                                        |
| Chlorophyll                                                                  | <input checked="" type="checkbox"/> CHLSUITE W                                                                                                                                                                                                                                                                                                                              |  |  |  |  | <input checked="" type="checkbox"/> Ice                                           |                  |              |                                        |
| Physical/Aggregate (Fresh)                                                   | <input checked="" type="checkbox"/> Alkalinity / <input checked="" type="checkbox"/> W-F / <input checked="" type="checkbox"/> W-TSS / <input checked="" type="checkbox"/> TURBIDITY / <input checked="" type="checkbox"/> W-CH-IC / <input checked="" type="checkbox"/> W-COLOR / <input checked="" type="checkbox"/> W-SO4-IC / <input checked="" type="checkbox"/> W-TDS |  |  |  |  | <input checked="" type="checkbox"/> Ice                                           |                  |              |                                        |
| Physical/Aggregate (Marine)                                                  | <input type="checkbox"/> Alkalinity / <input type="checkbox"/> W-BR-IC / <input type="checkbox"/> W-F / <input type="checkbox"/> W-TSS / <input type="checkbox"/> TURBIDITY                                                                                                                                                                                                 |  |  |  |  | <input type="checkbox"/> Ice                                                      |                  |              |                                        |
| Macroinvertebrates                                                           | <input type="checkbox"/> MI-FW-QLDC                                                                                                                                                                                                                                                                                                                                         |  |  |  |  | <input type="checkbox"/> Formalin                                                 |                  |              |                                        |
| Periphyton                                                                   | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                                                                                                                                                                                           |  |  |  |  | <input type="checkbox"/> Ice                                                      |                  |              |                                        |
| Microbiology                                                                 | <input checked="" type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococci                                                                                                                                                                                                                                                             |  |  |  |  | <input checked="" type="checkbox"/> Ice                                           |                  |              |                                        |
| Molecular                                                                    | <input type="checkbox"/> PCR-FILTER <input type="checkbox"/> PCR-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                                                      |                  |              |                                        |

Notes:

WIN / Field ID:



20030068

BIG POTTSBURG CR BOWDEN RD

Signature: Chyane R

Date: 7/10/19

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 7/10/19 Migrate Data to WIN: Verify Data In WIN:

## CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

9143 Philips Highway, Suite 200 Jacksonville, FL 32256 / Ph(904) 739-2277 / FAX (904) 739-2011

Page 1 of 1

SR #

ALS Contact: Jerry Allen

[illegible]

# Florida Department of Environmental Protection

## Central Laboratory Submittal Form

Customer: NE-DIST

Requester: Jeremy M. ParrishField Report Prepared By: C. Ruben

Project ID: SMP

Collected By: A. Kaimbacher / C. RubenSampling Agency: FDEP DEAR NE ROC

|          |                                                                                                                                                                                                                                                               |                                                                           |                                                                         |                                                                            |                                              |                               |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------|-------------------------------|
| Location | WIN / Field ID: <br>G2NE1164                                                                                                                                                 | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>7/10/19</u> Time <u>0905</u> | <u>Eastern</u><br>Central                                                  | Composite end<br>Date <u>—</u> Time <u>—</u> | Bottle Group(s)<br>(See pg 2) |
| Field    | Miramar at San Jose                                                                                                                                                                                                                                           | Matrix (type, e.g., Salt, Fresh, etc)<br><u>Salt</u>                      | Diss. Oxygen<br><u>2.15</u>                                             | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L) <u>—</u>       | <u>B</u>                      |
| WIN/     |                                                                                                                                                                                                                                                               | Temp (C) <u>27.9</u>                                                      | pH <u>6.87</u>                                                          | Sample Depth <u>0.3</u>                                                    | Sp. Conductance (umho/cm) <u>19116</u>       |                               |
| Latitude | <input type="checkbox"/> dms                                                                                                                                                                                                                                  | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt) <u>5.68</u>                                              | Comments                                                                   |                                              |                               |
| Location | WIN / Field ID: <br>20030068                                                                                                                                                 | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>7/10/19</u> Time <u>0930</u> | <u>Eastern</u><br>Central                                                  | Composite end<br>Date <u>—</u> Time <u>—</u> | Bottle Group(s)               |
| Field    | BIG POTTSBURG CR BOWDEN RD                                                                                                                                                                                                                                    | Matrix (type, e.g., Salt, Fresh, etc)<br><u>Fresh</u>                     | Diss. Oxygen<br><u>3.33</u>                                             | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L) <u>—</u>       | <u>A</u>                      |
| WIN/     |                                                                                                                                                                                                                                                               | Temp (C) <u>27.3</u>                                                      | pH <u>7.03</u>                                                          | Sample Depth <u>0.17</u>                                                   | Sp. Conductance (umho/cm) <u>305.5</u>       |                               |
| Latitude | <input type="checkbox"/> dms                                                                                                                                                                                                                                  | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt) <u>0.14</u>                                              | Comments                                                                   |                                              |                               |
| Location | 20030068 DUP<br>Field ID: <br>Location: BIG POTTSBURG CR BOWDEN RD<br>WIN ID: <br>20030068 | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>7/10/19</u> Time <u>0935</u> | <u>Eastern</u><br>Central                                                  | Composite end<br>Date <u>—</u> Time <u>—</u> | Bottle Group(s)               |
| Field    |                                                                                                                                                                                                                                                               | Matrix (type, e.g., Salt, Fresh, etc)<br><u>Fresh</u>                     | Diss. Oxygen<br><u>—</u>                                                | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            | Total Res. Chlorine<br>(mg/L) <u>—</u>       | <u>A</u>                      |
| WIN/     |                                                                                                                                                                                                                                                               | Temp (C) <u>—</u>                                                         | pH <u>—</u>                                                             | Sample Depth <u>—</u>                                                      | Sp. Conductance (umho/cm) <u>—</u>           |                               |
| Latitude | <input type="checkbox"/> dms                                                                                                                                                                                                                                  | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt) <u>—</u>                                                 | Comments                                                                   |                                              |                               |
| Location | BIG POTTSBURG CR BOWDEN RD<br>Field ID: <br>FB 07102019                                                                                                                    | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>7/10/19</u> Time <u>0945</u> | <u>Eastern</u><br>Central                                                  | Composite end<br>Date <u>—</u> Time <u>—</u> | Bottle Group(s)               |
| Field ID |                                                                                                                                                                                                                                                               | Matrix (type, e.g., Salt, Fresh, etc)<br><u>lab DI water</u>              | Diss. Oxygen<br><u>—</u>                                                | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            | Total Res. Chlorine<br>(mg/L) <u>—</u>       | <u>D</u>                      |
| WIN/STC  |                                                                                                                                                                                                                                                               | Temp (C) <u>—</u>                                                         | pH <u>—</u>                                                             | Sample Depth <u>—</u>                                                      | Sp. Conductance (umho/cm) <u>—</u>           |                               |
| Latitude | <input type="checkbox"/> dms                                                                                                                                                                                                                                  | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt) <u>—</u>                                                 | Comments                                                                   |                                              |                               |

|                                |                                |                               |                                     |                       |                     |
|--------------------------------|--------------------------------|-------------------------------|-------------------------------------|-----------------------|---------------------|
| Relinquished By: <u>Chymur</u> | Date/Time: <u>7/10/19 1530</u> | Shipping Method: <u>Fedex</u> | Number of Coolers Shipped: <u>3</u> | Received By: <u>—</u> | Date/Time: <u>—</u> |
|--------------------------------|--------------------------------|-------------------------------|-------------------------------------|-----------------------|---------------------|

|          |                                                                                    |                |                 |               |               |                                     |          |
|----------|------------------------------------------------------------------------------------|----------------|-----------------|---------------|---------------|-------------------------------------|----------|
| Group: A | Bottle Type:                                                                       | P-1L           | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 2        |
|          | ALKALINITY<br>TURBIDITY<br>W-CL-IC<br>W-COLOR<br>W-F<br>W-SO4-IC<br>W-TDS<br>W-TSS |                |                 |               |               |                                     |          |
| Group: A | Bottle Type:                                                                       | BP-1L          | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 2        |
|          | CHLSUITE-W                                                                         |                |                 |               |               |                                     |          |
| Group: A | Bottle Type:                                                                       | P-250ML-WI-THI | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 2 to ALS |
|          | NE-ALS-ECQ                                                                         |                |                 |               |               |                                     |          |
| Group: A | Bottle Type:                                                                       | QPCR-P-500ML   | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 2        |
|          | PCR-HF183                                                                          |                |                 |               |               |                                     |          |
| Group: A | Bottle Type:                                                                       | BG-500ML       | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 2        |
|          | W-E8321-DI<br>W-E8321-MS                                                           |                |                 |               |               |                                     |          |
| Group: A | Bottle Type:                                                                       | P-500ML        | # of Bottles: 2 | Preservative: | HNO3          | Enter Number of Bottles Sent to Lab | 2        |
|          | W-ICP<br>W-ICPMS                                                                   |                |                 |               |               |                                     |          |
| Group: A | Bottle Type:                                                                       | P-500ML        | # of Bottles: 2 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 2        |
|          | W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC                                    |                |                 |               |               |                                     |          |
| Group: A | Bottle Type:                                                                       | P-125ML        | # of Bottles: 2 | Preservative: | FILTER-ICE    | Enter Number of Bottles Sent to Lab | 2        |
|          | W-PO4-F                                                                            |                |                 |               |               |                                     |          |
| Group: B | Bottle Type:                                                                       | P-1L           | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1        |
|          | ALKALINITY<br>TURBIDITY<br>W-CL-IC                                                 |                |                 |               |               |                                     |          |

|          |              |                |                 |               |               |                                     |                 |
|----------|--------------|----------------|-----------------|---------------|---------------|-------------------------------------|-----------------|
| Group: B | Bottle Type: | P-1L           | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | <u>1</u>        |
|          | W-COLOR      |                |                 |               |               |                                     |                 |
|          | W-F          |                |                 |               |               |                                     |                 |
|          | W-SO4-IC     |                |                 |               |               |                                     |                 |
|          | W-TDS        |                |                 |               |               |                                     |                 |
|          | W-TSS        |                |                 |               |               |                                     |                 |
| Group: B | Bottle Type: | BP-1L          | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | <u>1</u>        |
|          | CHLSUITE-W   |                |                 |               |               |                                     |                 |
| Group: B | Bottle Type: | P-250ML-WI-THI | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | <u>1 to ALS</u> |
|          | NE-ALS-ECQ   |                |                 |               |               |                                     |                 |
| Group: B | Bottle Type: | P-500ML        | # of Bottles: 2 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab | <u>1</u>        |
|          | W-NH3        |                |                 |               |               |                                     |                 |
|          | W-NO2NO3     |                |                 |               |               |                                     |                 |
|          | W-S-A-TP     |                |                 |               |               |                                     |                 |
|          | W-TKN        |                |                 |               |               |                                     |                 |
|          | W-TOC        |                |                 |               |               |                                     |                 |
| Group: B | Bottle Type: | P-125ML        | # of Bottles: 2 | Preservative: | FILTER-ICE    | Enter Number of Bottles Sent to Lab | <u>1</u>        |
|          | W-PO4-F      |                |                 |               |               |                                     |                 |
| Group: C | Bottle Type: | P-1L           | # of Bottles: 3 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | <u>3</u>        |
|          | ALKALINITY   |                |                 |               |               |                                     |                 |
|          | TURBIDITY    |                |                 |               |               |                                     |                 |
|          | W-CL-IC      |                |                 |               |               |                                     |                 |
|          | W-COLOR      |                |                 |               |               |                                     |                 |
|          | W-F          |                |                 |               |               |                                     |                 |
|          | W-SO4-IC     |                |                 |               |               |                                     |                 |
|          | W-TDS        |                |                 |               |               |                                     |                 |
|          | W-TSS        |                |                 |               |               |                                     |                 |
| Group: C | Bottle Type: | P-250ML-WI-THI | # of Bottles: 3 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | <u>3 to ALS</u> |
|          | NE-ALS-ECQ   |                |                 |               |               |                                     |                 |
| Group: C | Bottle Type: | P-500ML        | # of Bottles: 3 | Preservative: | HNO3          | Enter Number of Bottles Sent to Lab | <u>3</u>        |
|          | W-ICP        |                |                 |               |               |                                     |                 |
|          | W-ICPMS      |                |                 |               |               |                                     |                 |
| Group: C | Bottle Type: | P-500ML        | # of Bottles: 3 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab | <u>3</u>        |

|          |              |          |                 |                             |                                     |   |
|----------|--------------|----------|-----------------|-----------------------------|-------------------------------------|---|
| Group: C | Bottle Type: | P-500ML  | # of Bottles: 3 | Preservative: ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 3 |
|          | 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 | 3 |
|          | W-PO4-F      |          |                 |                             |                                     |   |
| Group: D | Bottle Type: | P-1L     | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 1 |
|          | ALKALINITY   |          |                 |                             |                                     |   |
|          | TURBIDITY    |          |                 |                             |                                     |   |
|          | W-CL-IC      |          |                 |                             |                                     |   |
|          | W-COLOR      |          |                 |                             |                                     |   |
|          | W-F          |          |                 |                             |                                     |   |
|          | W-SO4-IC     |          |                 |                             |                                     |   |
|          | W-TDS        |          |                 |                             |                                     |   |
|          | W-TSS        |          |                 |                             |                                     |   |
| Group: D | Bottle Type: | BG-500ML | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 1 |
|          | W-E8321-DI   |          |                 |                             |                                     |   |
|          | W-E8321-MS   |          |                 |                             |                                     |   |
| Group: D | Bottle Type: | P-500ML  | # of Bottles: 1 | Preservative: HNO3          | Enter Number of Bottles Sent to Lab | 1 |
|          | W-ICP        |          |                 |                             |                                     |   |
|          | W-ICPMS      |          |                 |                             |                                     |   |
| Group: D | Bottle Type: | P-500ML  | # of Bottles: 1 | Preservative: ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 1 |
|          | W-NH3        |          |                 |                             |                                     |   |
|          | W-NO2NO3     |          |                 |                             |                                     |   |
|          | W-S-A-TP     |          |                 |                             |                                     |   |
|          | W-TKN        |          |                 |                             |                                     |   |
|          | W-TOC        |          |                 |                             |                                     |   |
| Group: D | Bottle Type: | P-125ML  | # of Bottles: 1 | Preservative: FILTER-ICE    | Enter Number of Bottles Sent to Lab | 1 |
|          | W-PO4-F      |          |                 |                             |                                     |   |

# Florida Department of Environmental Protection

## Central Laboratory Submittal Form

LSJR Southside

Customer: NE-DIST

Project ID: SMP

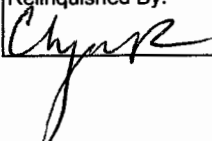
Requester: Jeremy M. Parrish

Field Report Prepared By: C. Ruben

Collected By: C. Ruben / A. Kaimbacher

Sampling Agency: FDEP DEAR NE ROC

|              |                                                                                                               |                                                                           |                                                            |                                                                                 |                                    |                               |
|--------------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------------|------------------------------------|-------------------------------|
| Location     | WIN / Field ID: <br>20030595 | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 7/10/19 Time 11:40 | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date — Time —     | Bottle Group(s)<br>(See pg 2) |
| Field ID     |                                                                                                               | Matrix (type, e.g., Salt, Fresh, etc)<br>Fresh                            | Diss. Oxygen<br>2.70                                       | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat      | Total Res. Chlorine<br>(mg/L) —    | C                             |
| WIN/STOR     | DEEP BOTTOM CREEK AT SCOTT MILL RD                                                                            | Temp (C)<br>27.8                                                          | pH<br>6.92                                                 | Sample Depth<br>0.3                                                             | Sp. Conductance (umho/cm)<br>252   |                               |
| Latitude     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                                                   | Salinity (ppt)<br>0.12                                                    | Comments                                                   |                                                                                 |                                    |                               |
| Location     | WIN / Field ID: <br>20030684 | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 7/10/19 Time 12:15 | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date — Time —     | Bottle Group(s)               |
| Field ID     |                                                                                                               | Matrix (type, e.g., Salt, Fresh, etc)<br>Fresh                            | Diss. Oxygen<br>2.09                                       | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat      | Total Res. Chlorine<br>(mg/L) —    | C                             |
| WIN/ST       | OLDFIELD CR @ JULINGTON CREEK ROAD                                                                            | Temp (C)<br>27.3                                                          | pH<br>6.80                                                 | Sample Depth<br>0.3                                                             | Sp. Conductance (umho/cm)<br>428.5 |                               |
| Latitude     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                                                   | Longitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms  | Salinity (ppt)<br>0.20                                     | Comments                                                                        |                                    |                               |
| Location     | WIN / Field ID: <br>20030852 | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 7/10/19 Time —     | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date — Time —     | Bottle Group(s)               |
| Field ID     |                                                                                                               | Matrix (type, e.g., Salt, Fresh, etc)<br>Fresh                            | Diss. Oxygen<br>4.84                                       | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat      | Total Res. Chlorine<br>(mg/L) —    | C                             |
| WIN/S        | CORMORANT BRANCH @ MARBON RD                                                                                  | Temp (C)<br>27.0                                                          | pH<br>7.03                                                 | Sample Depth<br>0.15                                                            | Sp. Conductance (umho/cm)<br>244   |                               |
| Latitude     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                                                   | Longitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms  | Salinity (ppt)<br>0.11                                     | Comments                                                                        |                                    |                               |
| Location     |                                                                                                               | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            | Collection (comp begin or grab)<br>Date — Time —           | <input type="checkbox"/> Eastern<br><input type="checkbox"/> Central            | Composite end<br>Date — Time —     | Bottle Group(s)               |
| Field ID     |                                                                                                               | Matrix (type, e.g., Salt, Fresh, etc)                                     | Diss. Oxygen                                               | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat                 | Total Res. Chlorine<br>(mg/L)      |                               |
| WIN/STORET # |                                                                                                               | Temp (C)                                                                  | pH                                                         | Sample Depth                                                                    | Sp. Conductance (umho/cm)          |                               |
| Latitude     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                                                   | Longitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms  | Salinity (ppt)                                             | Comments                                                                        |                                    |                               |

|                                                                                                     |                           |                          |                            |              |           |
|-----------------------------------------------------------------------------------------------------|---------------------------|--------------------------|----------------------------|--------------|-----------|
| Relinquished By:  | Date/Time<br>7/10/19 1530 | Shipping Method<br>Fedex | Number of Coolers Shipped: | Received By: | Date/Time |
|-----------------------------------------------------------------------------------------------------|---------------------------|--------------------------|----------------------------|--------------|-----------|