

# 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

RQ: 2019-07-15-11

Project: BMAP 1

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 6/2019

| 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.                  | K. Appleby | 7/16/19 | 7:25          | 24.3       | 760.0                  | 8.4                   | 8.41                  | 47.4  |                 |               | (P) F          | L / F          |
| ICV                      | ↓          | ↓       | 7:30          | 24.1       | 759.9                  | 8.4                   | 8.40                  | 100.0 |                 |               | (P) F          | L / F          |
| CCV                      | B Davis    | ↓       | 1:33          | 13.1       | 759.2                  | 8.6                   | 8.6                   | 100.8 |                 |               | P / F          | L / F          |
| CCV                      |            |         |               | 23.1       |                        |                       |                       |       |                 |               | 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.                   | K. Appleby | 7/16/19 | 7:35          | 190430A | 5/1/2020       | 1000                     | 1000                             | (P) F          | L / F          |
| ICV                       | ↓          | ↓       | ↓             | 190319B | 3/2020         | 100                      | 104.3                            | (P) F          | L / F          |
| CCV                       | B Davis    | ↓       | 1:33          | 719820  | 12/19          | 24820                    | 25028                            | (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.                  | K. Appleby | 7/16/19 | 7:45          | 29041654 | 3/2021         | 7.                 | 25.0       | 7.00                   | -61.6  | (P) F          | L / F          |
| Calibr.                  | ↓          | 7/16/19 | 7:50          | 2904300  | 3/2021         | 4.                 | 25.0       | 4.00                   | 117.2  | (P) F          | L / F          |
| Calibr.                  | ↓          | ↓       | 7:52          | 2901851  | 7/2020         | 10.                | 24.5       | 10.00                  | -234.8 | (P) F          | L / F          |
| ICV                      | ↓          | ↓       | 7:57          | 2904300  | 3/2021         | 4                  | 25.0       | 4.00                   | 116.6  | (P) F          | L / F          |
| CCV                      | B Davis    | ↓       | 1:35          | 2904654  | 3/21           | 7.0                | 24.6       | 6.97                   | -57.9  | (P) F          | (L) F          |
| CCV                      | ↓          | ↓       | 1:37          | 2901851  | 7/20           | 10.0               | 24.2       | 10.98                  | -234.5 | (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: 6/2019

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                         | K. Appleby | 7/16/19 | 8:02          | 0.000                                           | 0.00                 | (P) F          | L / F          |

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

COMMENTS:



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Butcher penn at Confederate

Date: 7/16/19

(mm/dd/yyyy)

WIN/ Field ID: 20030082

WBID: 2322

Latitude: 30.264611

(Decimal Degrees)

County: Duval

ORG ID: 21 FLA

Longitude: -81.734583

(Decimal Degrees)

Receiving Body of Water: Ortega River

RQ-2019- 07-15-11

| Sampling Team Members                                                 |      |                                                                                                                                                                                                                                                                                     |                  |                 |           | WQ Measurements                     | Sample Collection                                           | Documentation                       | Preservation                        | Preservation Check                  | Sampling Equipment                                   |                                         |                                          |  |  |
|-----------------------------------------------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------|-----------|-------------------------------------|-------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|------------------------------------------------------|-----------------------------------------|------------------------------------------|--|--|
| B Davis<br>K Appleby                                                  |      |                                                                                                                                                                                                                                                                                     |                  |                 |           | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>                         | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> Sample Container | <input type="checkbox"/> Van Dorn       | <input checked="" type="checkbox"/> Pole |  |  |
|                                                                       |      |                                                                                                                                                                                                                                                                                     |                  |                 |           |                                     |                                                             |                                     |                                     |                                     | <input type="checkbox"/> Carboy                      | <input type="checkbox"/> Syringe        |                                          |  |  |
|                                                                       |      |                                                                                                                                                                                                                                                                                     |                  |                 |           |                                     |                                                             |                                     |                                     |                                     | <input type="checkbox"/> Dipper                      | <input type="checkbox"/> Other          |                                          |  |  |
|                                                                       |      |                                                                                                                                                                                                                                                                                     |                  |                 |           |                                     |                                                             |                                     |                                     |                                     | Depth Measured with PRO DSS                          |                                         |                                          |  |  |
|                                                                       |      |                                                                                                                                                                                                                                                                                     |                  |                 |           | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>                         | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 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                   |                                                             |                                     |                                     |                                     | Matrix Fresh/ Marine/ DI                             |                                         |                                          |  |  |
| Photos Yes/ No                                                        |      | Flow: No Flow / Intestinal / Flowing / NA                                                                                                                                                                                                                                           |                  |                 |           | Tide: Rising/ Falling/ Slack/ NA    |                                                             |                                     |                                     |                                     | Tide Times: High 1030 Low 1645                       |                                         |                                          |  |  |
| Time Zone                                                             | Time | Total Depth (m)                                                                                                                                                                                                                                                                     | Sample Depth (m) | Secchi Disk (m) | DO (mg/L) | DO (%SAT)                           | pH                                                          | Salinity (PPTH)                     | Sp COND (umhos/cm)                  | Temp. (C°)                          |                                                      |                                         |                                          |  |  |
| EST                                                                   | 1025 | 0.6                                                                                                                                                                                                                                                                                 | 0.3              | 0.5             | 7.18      | 91.3                                | 7.47                                                        | 1.65                                | 3169                                | 30.2                                |                                                      |                                         |                                          |  |  |
| CEN                                                                   |      |                                                                                                                                                                                                                                                                                     |                  |                 |           |                                     |                                                             |                                     |                                     |                                     |                                                      |                                         |                                          |  |  |
| Biological Samples Collected: None HA SCI RPS Algae ID LVS LVI Other: |      |                                                                                                                                                                                                                                                                                     |                  |                 |           |                                     |                                                             |                                     |                                     |                                     |                                                      |                                         |                                          |  |  |
| SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#:        |      |                                                                                                                                                                                                                                                                                     |                  |                 |           |                                     |                                                             |                                     |                                     |                                     |                                                      |                                         |                                          |  |  |
| Parameter Suite                                                       |      | Parameter Methods                                                                                                                                                                                                                                                                   |                  |                 |           |                                     | Preservation                                                |                                     | Lot#                                | Expiration                          | pH Check                                             |                                         |                                          |  |  |
| Preserved Nutrients                                                   |      | <input type="checkbox"/> W-NH3 / <input type="checkbox"/> W-NO2NO3 / <input type="checkbox"/> W-TKN / <input type="checkbox"/> W-TOC / <input type="checkbox"/> W-S-A-TP                                                                                                            |                  |                 |           |                                     | <input type="checkbox"/> Ice <input type="checkbox"/> H2SO4 |                                     |                                     |                                     | <input type="checkbox"/> <2                          |                                         |                                          |  |  |
| Metals                                                                |      | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP                                                                                                                                                                                                                     |                  |                 |           |                                     | <input type="checkbox"/> Ice <input type="checkbox"/> HNO3  |                                     |                                     |                                     | <input type="checkbox"/> <2                          |                                         |                                          |  |  |
| Filtered Nutrients                                                    |      | <input type="checkbox"/> W-PO4-F <input type="checkbox"/> Field Filtered 0.45 um Filter                                                                                                                                                                                             |                  |                 |           |                                     | <input type="checkbox"/> Ice                                |                                     |                                     |                                     |                                                      |                                         |                                          |  |  |
| Chlorophyll                                                           |      | <input type="checkbox"/> CHLSUITE-W                                                                                                                                                                                                                                                 |                  |                 |           |                                     | <input type="checkbox"/> Ice                                |                                     |                                     |                                     |                                                      |                                         |                                          |  |  |
| Physical/Aggregate (Fresh)                                            |      | <input type="checkbox"/> Alkalinity / <input type="checkbox"/> W-F / <input type="checkbox"/> W-TSS / <input type="checkbox"/> TURBIDITY / <input type="checkbox"/> W-Cl-IC / <input type="checkbox"/> W-COLOR / <input type="checkbox"/> W-SO4-IC / <input type="checkbox"/> W-TDS |                  |                 |           |                                     | <input type="checkbox"/> Ice                                |                                     |                                     |                                     |                                                      |                                         |                                          |  |  |
| Physical/Aggregate (Marine)                                           |      | <input 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 ID/Field ID:



20030082

BUTCHER PEN CR AT CONFEDERATE

Signature:

*[Handwritten Signature]*

7/16/19

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

(Initials/Date)

Migrate Data to WIN:

(Initials/Date)

Verify Data In WIN:

(Initials/Date)

(Initials/Date)



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: TERRAPIN CR @ Faye Rd.

Date: 07/16/2019  
(mm/dd/yyyy)

WIN/ Field ID: 20030653

WBID: 2204

Latitude: 30.434361

(Decimal Degrees)

County: Duval

ORG ID: 21 FLA

Longitude: -81.565555

(Decimal Degrees)

Receiving Body of Water: Dunn Creek

RQ-2019- 07-15-11

| Sampling Team Members |  |  |  |  | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-----------------------|--|--|--|--|-----------------|-------------------|---------------|--------------|--------------------|
| R. Davis              |  |  |  |  |                 |                   |               |              |                    |
| K. Appleby            |  |  |  |  |                 |                   | X             |              |                    |

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

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

Water Level: Dry / Pooled / Low / Normal / High / Flooded

Meter ID#

Matrix: Fresh / Marine / DI

Photos: Yes / No

Flow: No Flow / Intermittent / Flowing / NA

Tide: Rising / Falling / Slack / NA

Tide Times: High / Low

| Time Zone | Time | Total Depth (m) | Sample Depth (m) | Secchi Disk (m) | DO (mg/L) | DO (%SAT) | pH | Salinity (PPT) | Sp COND (µmhos/cm) | Temp. (C°) |
|-----------|------|-----------------|------------------|-----------------|-----------|-----------|----|----------------|--------------------|------------|
| EST       | 950  |                 |                  |                 |           |           |    |                |                    |            |
| CEN       |      |                 |                  |                 |           |           |    |                |                    |            |

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

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

| Parameter Suite             | Parameter Methods                                                                                                                                                                                                      | Preservation                                                | Lot# | Expiration | pH Check                    |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|------|------------|-----------------------------|
| Preserved Nutrients         | <input type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                                                                                                                                   | <input type="checkbox"/> Ice <input type="checkbox"/> H2SO4 |      |            | <input type="checkbox"/> <2 |
| Metals                      | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP                                                                                                                                                        | <input type="checkbox"/> Ice <input type="checkbox"/> HNO3  |      |            | <input type="checkbox"/> <2 |
| Filtered Nutrients          | <input type="checkbox"/> W-PO4-F <input type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                                                | <input type="checkbox"/> Ice                                |      |            |                             |
| Chlorophyll                 | <input type="checkbox"/> CHLSUITE-W                                                                                                                                                                                    | <input type="checkbox"/> Ice                                |      |            |                             |
| Physical/Aggregate (Fresh)  | <input type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS                                                                                                                   | <input type="checkbox"/> Ice                                |      |            |                             |
| Physical/Aggregate (Marine) | <input type="checkbox"/> Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                                                                                                                                                | <input type="checkbox"/> Ice                                |      |            |                             |
| Macroinvertebrates          | <input type="checkbox"/> MI-FW-QLDC                                                                                                                                                                                    | <input type="checkbox"/> Formalin                           |      |            |                             |
| Periphyton                  | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                                      | <input type="checkbox"/> Ice                                |      |            |                             |
| Microbiology                | <input type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococci                                                                                                                   | <input type="checkbox"/> Ice                                |      |            |                             |
| Molecular                   | <input type="checkbox"/> PCR-FILTER <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-GULL2<br><input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-DG3 <input type="checkbox"/> PCR-GFD       | <input type="checkbox"/> Ice                                |      |            |                             |
| Tracers                     | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> W-E8321-MS                                                                                                                                                | <input type="checkbox"/> Ice                                |      |            |                             |
| Pesticides                  | <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-CT-CL-R <input type="checkbox"/> W-E8321-DI<br><input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> WE8321-MS <input type="checkbox"/> W-CARB-AA | <input type="checkbox"/> Ice                                |      |            |                             |
| Phytoplankton               | <input type="checkbox"/> DTY-QN-C <input type="checkbox"/> PKD-QN-C                                                                                                                                                    | <input type="checkbox"/> Ice                                |      |            |                             |

Notes:

Stagnant conditions.  
Barely any flow. Flow was ~~0.05 m/s~~  
less than 0.05 m/s.

WIN ID/Field ID:



20030653

TERRAPIN CR @ Faye Rd.

Signature: [Signature]

Date: 7/16/19

LIMS EVENT ID: WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT: QC Station ID, Field Parameters In LIMS DMT:

Scan/Save Field Sheets Migrate Data to WIN: Verify Data In WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: NW TRIBUTARY TO OPEN CR AT HODGES

Date: 07/16/2019  
(mm/dd/yyyy)

WIN/ Field ID: 20030848

WBID: 2299B

Latitude: 30.277383

(Decimal Degrees)

County: Duval

ORG ID: 21 FLA

Longitude: -81.461166

(Decimal Degrees)

Receiving Body of Water: Open Creek

RQ-2019- 07-15-11

| Sampling Team Members                                                        |      |                                                                                                                                                                                                                                                                                                                                                                             |                  |                 |           | WQ Measurements                                  | Sample Collection                                                                 | Documentation                       | Preservation                        | Preservation Check                  | Sampling Equipment                                                                                                              |  |  |  |  |                      |  |  |  |  |
|------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------|-----------|--------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|----------------------|--|--|--|--|
| B. Davis<br>K. Appleby                                                       |      |                                                                                                                                                                                                                                                                                                                                                                             |                  |                 |           | <input checked="" type="checkbox"/>              | <input checked="" type="checkbox"/>                                               | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> Sample Container <input type="checkbox"/> Van Dorn <input checked="" type="checkbox"/> Pole |  |  |  |  |                      |  |  |  |  |
|                                                                              |      |                                                                                                                                                                                                                                                                                                                                                                             |                  |                 |           |                                                  |                                                                                   |                                     |                                     |                                     | <input type="checkbox"/> Carboy <input type="checkbox"/> Syringe                                                                |  |  |  |  |                      |  |  |  |  |
|                                                                              |      |                                                                                                                                                                                                                                                                                                                                                                             |                  |                 |           |                                                  |                                                                                   |                                     |                                     |                                     | <input type="checkbox"/> Dipper <input type="checkbox"/> Other                                                                  |  |  |  |  |                      |  |  |  |  |
| Depth Measured with PRO DSS                                                  |      |                                                                                                                                                                                                                                                                                                                                                                             |                  |                 |           | Equipment ID Ortho Kit #3                        |                                                                                   |                                     |                                     |                                     | Collection Method                                                                                                               |  |  |  |  |                      |  |  |  |  |
|                                                                              |      |                                                                                                                                                                                                                                                                                                                                                                             |                  |                 |           | <input checked="" type="checkbox"/>              | <input type="checkbox"/>                                                          | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <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# PRO DSS                                |                                                                                   |                                     |                                     |                                     | Matrix: <u>Fresh</u> / Marine / DI                                                                                              |  |  |  |  |                      |  |  |  |  |
| Photos: <u>Yes</u> / No                                                      |      |                                                                                                                                                                                                                                                                                                                                                                             |                  |                 |           | 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                                                                          | 855  | 0.354                                                                                                                                                                                                                                                                                                                                                                       | 0.2              | 0.354           | 5.03      | 62.8                                             | 6.96                                                                              | 0.21                                | 48                                  | 470.3                               | 26.5                                                                                                                            |  |  |  |  |                      |  |  |  |  |
| 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 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 |                                     | SA8344070                           | 12/2019                             | <input checked="" type="checkbox"/> <2                                                                                          |  |  |  |  |                      |  |  |  |  |
| Metals                                                                       |      | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP                                                                                                                                                                                                                                                                                                             |                  |                 |           |                                                  | <input type="checkbox"/> Ice <input type="checkbox"/> HNO3                        |                                     |                                     |                                     | <input type="checkbox"/> <2                                                                                                     |  |  |  |  |                      |  |  |  |  |
| Filtered Nutrients                                                           |      | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 um Filter                                                                                                                                                                                                                                                               |                  |                 |           |                                                  | <input checked="" type="checkbox"/> Ice                                           |                                     | R 71A 2907                          |                                     |                                                                                                                                 |  |  |  |  |                      |  |  |  |  |
| 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-CL-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 ID/Field ID:



20030848

NW TRIBUTARY TO OPEN CR AT HODGES

Signature:

Date:

7/16/2019

LIMS EVENT ID:

WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT:

QC Station ID, Field Parameters In LIMS DMT:

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data In WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)

# QA/QC Sample Information Duplicate

| Time Zone: EST CEN          |                                                                                                                                                                                                                                                                                     | Time: 1200                                                                                                 |           | Field ID: 20030958 DUP |                                         |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-----------|------------------------|-----------------------------------------|
| (WIN ID + DUP)              |                                                                                                                                                                                                                                                                                     |                                                                                                            |           |                        |                                         |
| 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"/> H <sub>2</sub> SO <sub>4</sub> | SA9129100 | 5/9/2020               | <input checked="" type="checkbox"/> < 2 |
| Metals                      | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP                                                                                                                                                                                                                     | <input type="checkbox"/> Ice <input type="checkbox"/> HNO <sub>3</sub>                                     |           |                        | <input type="checkbox"/> < 2            |
| Filtered Nutrients          | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                                                                                       | <input checked="" type="checkbox"/> Ice                                                                    | R7HA29007 |                        |                                         |
| Chlorophyll                 | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                                                                                                      | <input checked="" type="checkbox"/> Ice                                                                    |           |                        |                                         |
| Physical/Aggregate (Fresh)  | <input type="checkbox"/> Alkalinity / <input type="checkbox"/> W-F / <input type="checkbox"/> W-TSS / <input type="checkbox"/> TURBIDITY / <input type="checkbox"/> W-CH-IC / <input type="checkbox"/> W-COLOR / <input type="checkbox"/> W-SO4-IC / <input type="checkbox"/> W-TDS | <input type="checkbox"/> Ice                                                                               |           |                        |                                         |
| Physical/Aggregate (Marine) | <input checked="" type="checkbox"/> Alkalinity / <input type="checkbox"/> W-F / <input type="checkbox"/> W-TSS / <input type="checkbox"/> TURBIDITY                                                                                                                                 | <input checked="" type="checkbox"/> Ice                                                                    |           |                        |                                         |
| Microbiology                | <input type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input checked="" type="checkbox"/> Enterococci                                                                                                                                                                     | <input type="checkbox"/> Ice                                                                               |           |                        |                                         |
| Molecular                   | <input type="checkbox"/> PCR-FILTER <input checked="" type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-GULL2 <input type="checkbox"/> PCR-GFD                                                                                             | <input checked="" type="checkbox"/> Ice                                                                    |           |                        |                                         |
| Tracers                     | <input type="checkbox"/> W-SUC-AA-R <input checked="" type="checkbox"/> W-UHERB-AA <input checked="" type="checkbox"/> W-AHERB-AA                                                                                                                                                   | <input checked="" type="checkbox"/> Ice                                                                    |           |                        |                                         |
| Pesticides                  | <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-AHERB-AA <input type="checkbox"/> W-PYR-AA-R <input type="checkbox"/> W-CARB-AA                                                                                                                                       | <input type="checkbox"/> Ice                                                                               |           |                        |                                         |
|                             | <input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> W-UHERB-AA <input type="checkbox"/> W-GLYPH <input type="checkbox"/> W-SUC-AA-R                                                                                                                                        | <input type="checkbox"/> Other                                                                             |           |                        |                                         |

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

Place Preservative Sticker(s) Here (If Available)

## Blank

| Time Zone: EST CEN                                                                                                                              |                                                                                                                                                                                                                                                                                                | Time: 1205                                                                                                 |           | Field ID: BLANK 07162019 FB 07162019 |                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-----------|--------------------------------------|-----------------------------------------|
| (BLANK_DDMYYYY)                                                                                                                                 |                                                                                                                                                                                                                                                                                                |                                                                                                            |           |                                      |                                         |
| DI Source: NED ROL DE                                                                                                                           |                                                                                                                                                                                                                                                                                                | Location: CRAIG CR. 100m DOWN FROM FOOTBRIDGE IN PARK                                                      |           |                                      |                                         |
| <input checked="" type="checkbox"/> Field Blank <input type="checkbox"/> Equipment Blank <input type="checkbox"/> Field Cleaned Equipment Blank |                                                                                                                                                                                                                                                                                                | Equipment ID: Ortho Kit #3                                                                                 |           |                                      |                                         |
| 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"/> H <sub>2</sub> SO <sub>4</sub> | SA9129100 | 5/9/2020                             | <input checked="" type="checkbox"/> < 2 |
| Metals                                                                                                                                          | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP                                                                                                                                                                                                                                | <input type="checkbox"/> Ice <input type="checkbox"/> HNO <sub>3</sub>                                     |           |                                      | <input type="checkbox"/> < 2            |
| Filtered Nutrients                                                                                                                              | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                                                                                                  | <input checked="" type="checkbox"/> Ice                                                                    | R7HA29007 |                                      |                                         |
| Chlorophyll                                                                                                                                     | <input type="checkbox"/> CHLSUITE-W                                                                                                                                                                                                                                                            | <input type="checkbox"/> Ice                                                                               |           |                                      |                                         |
| Physical/Aggregate (Fresh)                                                                                                                      | <input checked="" type="checkbox"/> Alkalinity / <input type="checkbox"/> W-F / <input type="checkbox"/> W-TSS / <input type="checkbox"/> TURBIDITY / <input type="checkbox"/> W-CH-IC / <input type="checkbox"/> W-COLOR / <input type="checkbox"/> W-SO4-IC / <input type="checkbox"/> W-TDS | <input checked="" type="checkbox"/> Ice                                                                    |           |                                      |                                         |
| Physical/Aggregate (Marine)                                                                                                                     | <input checked="" type="checkbox"/> Alkalinity / <input type="checkbox"/> W-F / <input type="checkbox"/> W-TSS / <input type="checkbox"/> TURBIDITY                                                                                                                                            | <input checked="" type="checkbox"/> Ice                                                                    |           |                                      |                                         |
| Microbiology                                                                                                                                    | <input type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococci                                                                                                                                                                                           | <input type="checkbox"/> Ice                                                                               |           |                                      |                                         |
| Molecular                                                                                                                                       | <input type="checkbox"/> PCR-FILTER <input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-GULL2 <input type="checkbox"/> PCR-GFD                                                                                                                   | <input type="checkbox"/> Ice                                                                               |           |                                      |                                         |
| Tracers                                                                                                                                         | <input type="checkbox"/> W-SUC-AA-R <input checked="" type="checkbox"/> W-UHERB-AA <input checked="" type="checkbox"/> W-AHERB-AA                                                                                                                                                              | <input checked="" type="checkbox"/> Ice                                                                    |           |                                      |                                         |
| Pesticides                                                                                                                                      | <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-AHERB-AA <input type="checkbox"/> W-PYR-AA-R <input type="checkbox"/> W-CARB-AA                                                                                                                                                  | <input type="checkbox"/> Other                                                                             |           |                                      |                                         |
|                                                                                                                                                 | <input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> W-UHERB-AA <input type="checkbox"/> W-GLYPH <input type="checkbox"/> W-SUC-AA-R                                                                                                                                                   |                                                                                                            |           |                                      |                                         |

No

Field ID: 20030958 DUP  
Location: Craig Cr. 100m DOWN FROM FOOTBRIDGE IN PARK  
WIN ID: 20030958

CRAIG CR. 100m DOWN FROM  
FOOTBRIDGE IN PARK

Field ID: FB 07162019

Signature: *[Signature]*

Date: 7/16/19

Enter Field Parameters, Verify Station ID in LIMS DMT: \_\_\_\_\_ QC Station ID, Field Parameters in LIMS DMT: \_\_\_\_\_  
(Initials/Date) (Initials/Date)

Scan/Save Field Sheets \_\_\_\_\_ Migrate Data to WIN: \_\_\_\_\_ Verify Data in WIN: \_\_\_\_\_  
(Initials/Date) (Initials/Date) (Initials/Date)



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: BUTCHER PEN CR AT WESCONNETT

Date: 07/16/2019  
(mm/dd/yyyy)

WIN/ Field ID: 20030760

WBID: 2322

Latitude: 30.259833

(Decimal Degrees)

County: Duval

ORG ID: 21 FLA

Longitude: -81.740194

(Decimal Degrees)

Receiving Body of Water: Ortega River

RQ-2019- 07-15-11

| Sampling Team Members |  |  |  |  | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-----------------------|--|--|--|--|-----------------|-------------------|---------------|--------------|--------------------|
| B. Davis              |  |  |  |  |                 |                   |               |              |                    |
| K. Appleby            |  |  |  |  |                 |                   |               |              |                    |

| 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 PRO DSS  
Equipment ID Ortho kit #3

| 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</u>                         |                  | Matrix: <u>Fresh</u> / Marine / DI         |           |                                              |      |                |                    |            |      |
|----------------------------------------------------------------|------|--------------------------------------------------|------------------|--------------------------------------------|-----------|----------------------------------------------|------|----------------|--------------------|------------|------|
| Photos: <u>Yes</u> / No                                        |      | Flow: No Flow / Intestinal / <u>Flowing</u> / NA |                  | Tide: Rising / <u>Falling</u> / Slack / NA |           | Tide Times: High <u>1030</u> Low <u>1645</u> |      |                |                    |            |      |
| Time Zone                                                      | Time | Total Depth (m)                                  | Sample Depth (m) | Secchi Disk (m)                            | DO (mg/L) | DO (%SAT)                                    | pH   | Salinity (PPT) | Sp COND (umhos/cm) | Temp. (C°) |      |
| EST                                                            | 1050 | 1.3                                              | 0.5              | VOB                                        | 29.6      | 37.0                                         | 7.11 | 0.17           | 353                | 6          | 26.8 |
| 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 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                                                                                                                        |          |        | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4 | SA9129100      | 5/2020     | <input checked="" type="checkbox"/> <2 |  |  |  |
| Metals                                                                       | <input checked="" type="checkbox"/> W-ICPMS <input checked="" type="checkbox"/> W-ICP                                                                                                                                  |          |        | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> HNO3  | NA8344050      | 12/2019    | <input checked="" type="checkbox"/> <2 |  |  |  |
| Filtered Nutrients                                                           | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 um Filter                                                                                                          |          |        | <input checked="" type="checkbox"/> Ice                                           | R7HA29007      |            |                                        |  |  |  |
| Chlorophyll                                                                  | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                                         |          |        | <input checked="" type="checkbox"/> Ice                                           |                |            |                                        |  |  |  |
| Physical/Aggregate (Fresh)                                                   | <input checked="" type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-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<br><input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-DG3 <input type="checkbox"/> PCR-GFD       |          |        | <input type="checkbox"/> Ice                                                      |                |            |                                        |  |  |  |
| Tracers                                                                      | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> W-E8321-MS                                                                                                                                                |          |        | <input type="checkbox"/> Ice                                                      |                |            |                                        |  |  |  |
| Pesticides                                                                   | <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-CT-CL-R <input type="checkbox"/> W-E8321-DI<br><input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> WE8321-MS <input type="checkbox"/> W-CARB-AA |          |        | <input type="checkbox"/> Ice                                                      |                |            |                                        |  |  |  |
| Phytoplankton                                                                | <input type="checkbox"/> DTY-QN-C <input type="checkbox"/> PKD-QN-C                                                                                                                                                    |          |        | <input type="checkbox"/> Ice                                                      |                |            |                                        |  |  |  |

Notes:

WIN ID/Field ID: 20030760

BUTCHER PEN CR AT WESCONNETT

Signature: [Signature] Date: 7/16/2019

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

Enter Field Parameters, Verify Station ID In LIMS DMT: \_\_\_\_\_ QC Station ID, Field Parameters In LIMS DMT: \_\_\_\_\_

Scan/Save Field Sheets \_\_\_\_\_ Migrate Data to WIN: \_\_\_\_\_ Verify Data In WIN: \_\_\_\_\_

(Initials/Date) (Initials/Date) (Initials/Date)



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: CRAIG CR @ HENDRICKS AVE

Date: 07/16/2019  
(mm/dd/yyyy)

WIN/ Field ID: 20030793

WBID: 2297B

Latitude: 30.296305

(Decimal Degrees)

County: Duval

ORG ID: 21 FLA

Longitude: -81.648027

(Decimal Degrees)

Receiving Body of Water: LSJR

RQ-2019- 07-15-11

| Sampling Team Members |  |  |  |  | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-----------------------|--|--|--|--|-----------------|-------------------|---------------|--------------|--------------------|
| K. Davis              |  |  |  |  |                 | X                 |               |              |                    |
| K. Appleby            |  |  |  |  | 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>PRO DSS</u>                   |                                         |                                          |
| Equipment ID <u>ortho k.t #3</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

Matrix: Fresh / Marine / DI

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

Tide: Rising / Falling / Slack / NA

Tide Times: High 1030 Low 1645

| 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       | 1235 | 0.326           | 0.15             | 0.326           | 2.36      | 29        | 7.16 | 0.22           | 456.4              | 27.5       |
| CEN       |      |                 |                  | 5               |           | 29.1      |      |                |                    |            |

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

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

| Parameter Suite             | Parameter Methods                                                                                                                                                                                                           | Preservation                                                | Lot# | Expiration | pH Check                    |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|------|------------|-----------------------------|
| Preserved Nutrients         | <input type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                                                                                                                                        | <input type="checkbox"/> Ice <input type="checkbox"/> H2SO4 |      |            | <input type="checkbox"/> <2 |
| Metals                      | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP                                                                                                                                                             | <input type="checkbox"/> Ice <input type="checkbox"/> HNO3  |      |            | <input type="checkbox"/> <2 |
| Filtered Nutrients          | <input type="checkbox"/> W-PO4-F <input type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                                                     | <input type="checkbox"/> Ice                                |      |            |                             |
| Chlorophyll                 | <input type="checkbox"/> CHLSUITE-W                                                                                                                                                                                         | <input type="checkbox"/> Ice                                |      |            |                             |
| Physical/Aggregate (Fresh)  | <input type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS                                                                                                                        | <input type="checkbox"/> Ice                                |      |            |                             |
| Physical/Aggregate (Marine) | <input type="checkbox"/> Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                                                                                                                                                     | <input type="checkbox"/> Ice                                |      |            |                             |
| Macroinvertebrates          | <input type="checkbox"/> MI-FW-QLDC                                                                                                                                                                                         | <input type="checkbox"/> Formalin                           |      |            |                             |
| Periphyton                  | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                                           | <input type="checkbox"/> Ice                                |      |            |                             |
| Microbiology                | <input type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input checked="" type="checkbox"/> Enterococci                                                                                                             | <input checked="" type="checkbox"/> Ice                     |      |            |                             |
| Molecular                   | <input type="checkbox"/> PCR-FILTER <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-GULL2<br><input checked="" type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-DG3 <input type="checkbox"/> PCR-GFD | <input checked="" type="checkbox"/> Ice                     |      |            |                             |
| Tracers                     | <input checked="" type="checkbox"/> W-E8321-DI <input checked="" type="checkbox"/> W-E8321-MS                                                                                                                               | <input checked="" type="checkbox"/> Ice                     |      |            |                             |
| Pesticides                  | <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-CT-CL-R <input type="checkbox"/> W-E8321-DI<br><input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> W-E8321-MS <input type="checkbox"/> W-CARB-AA     | <input type="checkbox"/> Ice                                |      |            |                             |
| Phytoplankton               | <input type="checkbox"/> DTY-QN-C <input type="checkbox"/> PKD-QN-C                                                                                                                                                         | <input type="checkbox"/> Ice                                |      |            |                             |

Notes:

WIN ID/Field ID:  20030793

CRAIG CR @ HENDRICKS AVE

Signature: [Signature] Date: 07/16/2019

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 (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 Quality?

Yes / No

WIN Station Name: CRAIG CR. 100m DOWN FROM FOOTBRIDGE IN PARK

Date: 07/16/2019

(mm/dd/yyyy)

WIN/ Field ID: 20030958

WBID: 2297B

Latitude: 30.295219

(Decimal Degrees)

County: Duval

ORG ID: 21 FLA

Longitude: -81.649891

(Decimal Degrees)

Receiving Body of Water: LSJR

RQ-2019- 07-15-11

| Sampling Team Members |  |  |  |  | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-----------------------|--|--|--|--|-----------------|-------------------|---------------|--------------|--------------------|
| B. Davis              |  |  |  |  |                 |                   |               |              |                    |
| K. Appleby            |  |  |  |  |                 |                   |               |              |                    |

| 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 PRO DSS                          |                                         |                                          |
| Equipment ID Ortho Kit #3                            |                                         |                                          |
| 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  
Photos: (Yes) / No  
Flow: No Flow / Intestinal / Flowing / NA  
Meter ID# PRO DSS  
Matrix: Fresh / Marine / DI  
Tide: Rising / Falling / Slack / NA  
Tide Times: High 1030 Low 1645

| 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       | 1155 | 0.3             | 0.2              | VOB             | 2.40      | 32.2      | 7.08 | 1.87           | 3595               | 30.1       |
| CEN       |      |                 |                  |                 |           |           |      |                |                    |            |

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

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

| Parameter Suite             | Parameter Methods                                                                                                                                                                                                           | Preservation                                                           | Lot#      | Expiration | pH Check                               |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|-----------|------------|----------------------------------------|
| Preserved Nutrients         | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                                                                                                                             | <input checked="" type="checkbox"/> Ice <input type="checkbox"/> H2SO4 | SA9129100 | 5/9/20     | <input checked="" type="checkbox"/> <2 |
| Metals                      | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP                                                                                                                                                             | <input type="checkbox"/> Ice <input type="checkbox"/> HNO3             |           |            | <input type="checkbox"/> <2            |
| Filtered Nutrients          | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                               | <input checked="" type="checkbox"/> Ice                                | R7HA29007 |            |                                        |
| 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-CI-IC / W-COLOR / W-SO4-IC / W-TDS                                                                                                                        | <input type="checkbox"/> Ice                                           |           |            |                                        |
| Physical/Aggregate (Marine) | <input checked="" type="checkbox"/> Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                                                                                                                                          | <input checked="" type="checkbox"/> Ice                                |           |            |                                        |
| Macroinvertebrates          | <input type="checkbox"/> MI-FW-QLDC                                                                                                                                                                                         | <input type="checkbox"/> Formalin                                      |           |            |                                        |
| Periphyton                  | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                                           | <input type="checkbox"/> Ice                                           |           |            |                                        |
| Microbiology                | <input type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input checked="" type="checkbox"/> Enterococci                                                                                                             | <input checked="" type="checkbox"/> Ice                                |           |            |                                        |
| Molecular                   | <input type="checkbox"/> PCR-FILTER <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-GULL2<br><input 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:

Signature: *[Signature]*

WIN ID/Field ID:



20030958

CRAIG CR. 100m DOWN FROM  
FOOTBRIDGE IN PARK

7/16/19

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 (Initials/Date) Migrate Data to WIN: (Initials/Date) Verify Data in WIN: (Initials/Date)

(Initials/Date)

(Initials/Date)

(Initials/Date)



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?  
Yes / No

WIN Station Name: GOODBYS CR ABOVE WEST BRANCH AT SAN CLERC

Date: 07/16/2019  
(mm/dd/yyyy)

WIN/ Field ID: 20030891

WBID: 2326A

Latitude: 30.225444

(Decimal Degrees)

County: Duval

ORG ID: 21 FLA

Longitude: -81.603861

(Decimal Degrees)

Receiving Body of Water: LSJR

RQ-2019- 07-15-11

| Sampling Team Members                                                        |             |                                                                                                                                                                                                                        |                  |                 |             | WQ Measurements                                                        | Sample Collection                   | Documentation                       | Preservation                        | Preservation Check                  | Sampling Equipment                                   |                                         |                                          |  |  |                                              |  |  |  |  |
|------------------------------------------------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------|-------------|------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|------------------------------------------------------|-----------------------------------------|------------------------------------------|--|--|----------------------------------------------|--|--|--|--|
| <u>B. Davis</u><br><u>K. Appleby</u>                                         |             |                                                                                                                                                                                                                        |                  |                 |             | <input checked="" type="checkbox"/>                                    | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> Sample Container | <input type="checkbox"/> Van Dorn       | <input checked="" type="checkbox"/> Pole |  |  |                                              |  |  |  |  |
|                                                                              |             |                                                                                                                                                                                                                        |                  |                 |             |                                                                        |                                     |                                     |                                     |                                     | <input type="checkbox"/> Carboy                      | <input type="checkbox"/> Syringe        |                                          |  |  |                                              |  |  |  |  |
|                                                                              |             |                                                                                                                                                                                                                        |                  |                 |             |                                                                        |                                     |                                     |                                     |                                     | <input type="checkbox"/> Dipper                      | <input type="checkbox"/> Other          |                                          |  |  |                                              |  |  |  |  |
| Depth Measured with <u>PRO DSS</u>                                           |             |                                                                                                                                                                                                                        |                  |                 |             | Equipment ID <u>Ortho K+ #3</u>                                        |                                     |                                     |                                     |                                     | Collection Method                                    |                                         |                                          |  |  |                                              |  |  |  |  |
|                                                                              |             |                                                                                                                                                                                                                        |                  |                 |             | <input type="checkbox"/>                                               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <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</u>                                               |                                     |                                     |                                     |                                     | Matrix: <u>Fresh</u> / Marine / DI                   |                                         |                                          |  |  |                                              |  |  |  |  |
| Photos: <u>Yes</u> / No                                                      |             |                                                                                                                                                                                                                        |                  |                 |             | Flow: No Flow / Intestinal / <u>Flowing</u> / NA                       |                                     |                                     |                                     |                                     | Tide: Rising / <u>Falling</u> / Slack / NA           |                                         |                                          |  |  | Tide Times: High <u>1030</u> Low <u>1645</u> |  |  |  |  |
| 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                                                                          | <u>1305</u> | <u>0.4</u>                                                                                                                                                                                                             | <u>0.3</u>       | <u>VOB</u>      | <u>4.07</u> | <u>51.1</u>                                                            | <u>7.17</u>                         | <u>0.17</u>                         | <u>357.2</u>                        | <u>27.0</u>                         |                                                      |                                         |                                          |  |  |                                              |  |  |  |  |
| CEN                                                                          |             |                                                                                                                                                                                                                        |                  | <u>(S)</u>      |             |                                                                        |                                     |                                     |                                     |                                     |                                                      |                                         |                                          |  |  |                                              |  |  |  |  |
| Biological Samples Collected: <u>None</u> HA SCI RPS Algae ID LVS LVI Other: |             |                                                                                                                                                                                                                        |                  |                 |             |                                                                        |                                     |                                     |                                     |                                     |                                                      |                                         |                                          |  |  |                                              |  |  |  |  |
| SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#:               |             |                                                                                                                                                                                                                        |                  |                 |             |                                                                        |                                     |                                     |                                     |                                     |                                                      |                                         |                                          |  |  |                                              |  |  |  |  |
| Parameter Suite                                                              |             | Parameter Methods                                                                                                                                                                                                      |                  |                 |             | Preservation                                                           |                                     | Lot#                                |                                     | Expiration                          |                                                      | pH Check                                |                                          |  |  |                                              |  |  |  |  |
| Preserved Nutrients                                                          |             | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                                                                                                                        |                  |                 |             | <input checked="" type="checkbox"/> Ice <input type="checkbox"/> H2SO4 |                                     | <u>SA9129100</u>                    |                                     | <u>5/2020</u>                       |                                                      | <input checked="" type="checkbox"/> <2  |                                          |  |  |                                              |  |  |  |  |
| Metals                                                                       |             | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP                                                                                                                                                        |                  |                 |             | <input type="checkbox"/> Ice <input type="checkbox"/> HNO3             |                                     |                                     |                                     |                                     |                                                      | <input type="checkbox"/> <2             |                                          |  |  |                                              |  |  |  |  |
| Filtered Nutrients                                                           |             | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                          |                  |                 |             | <input checked="" type="checkbox"/> Ice                                |                                     | <u>RTHA2900</u>                     |                                     |                                     |                                                      |                                         |                                          |  |  |                                              |  |  |  |  |
| Chlorophyll                                                                  |             | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                                         |                  |                 |             | <input checked="" type="checkbox"/> Ice                                |                                     |                                     |                                     |                                     |                                                      |                                         |                                          |  |  |                                              |  |  |  |  |
| Physical/Aggregate (Fresh)                                                   |             | <input checked="" type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-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<br><input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-DG3 <input type="checkbox"/> PCR-GFD       |                  |                 |             | <input type="checkbox"/> Ice                                           |                                     |                                     |                                     |                                     |                                                      |                                         |                                          |  |  |                                              |  |  |  |  |
| Tracers                                                                      |             | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> W-E8321-MS                                                                                                                                                |                  |                 |             | <input type="checkbox"/> Ice                                           |                                     |                                     |                                     |                                     |                                                      |                                         |                                          |  |  |                                              |  |  |  |  |
| Pesticides                                                                   |             | <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-CT-CL-R <input type="checkbox"/> W-E8321-DI<br><input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> WE8321-MS <input type="checkbox"/> W-CARB-AA |                  |                 |             | <input type="checkbox"/> Ice                                           |                                     |                                     |                                     |                                     |                                                      |                                         |                                          |  |  |                                              |  |  |  |  |
| Phytoplankton                                                                |             | <input type="checkbox"/> DTY-QN-C <input type="checkbox"/> PKD-QN-C                                                                                                                                                    |                  |                 |             | <input type="checkbox"/> Ice                                           |                                     |                                     |                                     |                                     |                                                      |                                         |                                          |  |  |                                              |  |  |  |  |

Notes:

WIN ID/Field ID:



20030891

GOODBYS CR ABOVE WEST BRANCH  
AT SAN CLERC

Signature: [Signature]

Date: 7/16/2019

LIMS EVENT ID:

WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT:

QC Station ID, Field Parameters In LIMS DMT:

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data In WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)

Bmap 1

## Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NE-DIST

Requester: Jeremy M. Parrish

Field Report Prepared By: A. Kalmbacher

Project ID: SMP

Collected By: B. Davis, K. ApplebySampling Agency: FDEP/NE ROC

|                                                                                                                            |                                                                           |                                                                           |                                                                            |                                        |                               |
|----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------|-------------------------------|
| Location                                                                                                                   | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>7-16-2019</u> Time <u>1025</u> | <u>Eastern</u><br>Central                                                  | Composite end<br>Date _____ Time _____ | Bottle Group(s)<br>(See pg 2) |
| Field<br>WIN ID/Field ID: <br>20030082    | Matrix (type, e.g., Salt, <u>Fresh</u> , etc)                             | Diss. Oxygen<br><u>7.18</u>                                               | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)          | E                             |
| WIN/<br>BUTCHER PEN CR AT CONFEDERATE                                                                                      | Temp (C) <u>30.2</u>                                                      | pH <u>7.47</u>                                                            | Sample Depth <u>0.3</u>                                                    | Sp. Conductance (umho/cm) <u>3169</u>  |                               |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms                                                    | Salinity (ppt) <u>1.65</u>                                                | Comments                                                                  |                                                                            |                                        |                               |
| Location                                                                                                                   | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>7-16-2019</u> Time <u>1155</u> | <u>Eastern</u><br>Central                                                  | Composite end<br>Date _____ Time _____ | Bottle Group(s)               |
| Field ID<br>WIN ID/Field ID: <br>20030958 | Matrix (type, e.g., Salt, <u>Fresh</u> , etc)                             | Diss. Oxygen<br><u>2.40</u>                                               | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)          | A                             |
| WIN/STORET<br>CRAIG CR. 100m DOWN FROM FOOTBRIDGE IN PARK                                                                  | Temp (C) <u>30.1</u>                                                      | pH <u>7.08</u>                                                            | Sample Depth <u>0.2</u>                                                    | Sp. Conductance (umho/cm) <u>3595</u>  |                               |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms                                                    | Salinity (ppt) <u>1.87</u>                                                | Comments                                                                  |                                                                            |                                        |                               |
| Lc                                                                                                                         | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>7-16-2019</u> Time <u>1200</u> | <u>Eastern</u><br>Central                                                  | Composite end<br>Date _____ Time _____ | Bottle Group(s)               |
| Field ID<br>Location: <u>Craig Cr. 100m DOWN FROM FOOTBRIDGE IN PARK</u>                                                   | Matrix (type, e.g., Salt, <u>Fresh</u> , etc)                             | Diss. Oxygen<br><u>2.40</u>                                               | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            | Total Res. Chlorine<br>(mg/L)          | A                             |
| WIN ID: <br>20030958                     | Temp (C) <u>30.1</u>                                                      | pH <u>7.08</u>                                                            | Sample Depth <u>0.2</u>                                                    | Sp. Conductance (umho/cm) <u>3595</u>  |                               |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms                                                    | Salinity (ppt) <u>1.87</u>                                                | Comments                                                                  |                                                                            |                                        |                               |
| CRAIG CR. 100m DOWN FROM FOOTBRIDGE IN PARK                                                                                | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>7-16-2019</u> Time <u>1205</u> | <u>Eastern</u><br>Central                                                  | Composite end<br>Date _____ Time _____ | Bottle Group(s)               |
| Field ID: <br>FB 07162019               | Matrix (type, e.g., Salt, <u>Fresh</u> , etc)                             | Diss. Oxygen                                                              | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            | Total Res. Chlorine<br>(mg/L)          | F                             |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms                                                    | Temp (C)                                                                  | pH                                                                        | Sample Depth                                                               | Sp. Conductance (umho/cm)              |                               |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms                                                    | Salinity (ppt)                                                            | Comments                                                                  |                                                                            |                                        |                               |

|                                       |                             |                                |                                     |                    |                  |
|---------------------------------------|-----------------------------|--------------------------------|-------------------------------------|--------------------|------------------|
| Relinquished By: <u>A. Kalmbacher</u> | Date/Time: <u>7-16-2019</u> | Shipping Method: <u>Fed Ex</u> | Number of Coolers Shipped: <u>2</u> | Received By: _____ | Date/Time: _____ |
|---------------------------------------|-----------------------------|--------------------------------|-------------------------------------|--------------------|------------------|

1445

|          |                                                                                    |                |                 |               |               |                                     |                           |
|----------|------------------------------------------------------------------------------------|----------------|-----------------|---------------|---------------|-------------------------------------|---------------------------|
| Group: A | Bottle Type:                                                                       | P-1L           | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 2                         |
|          | ALKALINITY<br>TURBIDITY<br>W-BR-IC<br>W-F<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<br>Sent to Contract Lab |
|          | NE-ALS-ENQ                                                                         |                |                 |               |               |                                     |                           |
| 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: | 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: 3 | 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: B | Bottle Type:                                                                       | BP-1L          | # of Bottles: 3 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 2                         |

Bmap 1

## Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NE-DIST

Requester: Jeremy M. Pamish

Field Report Prepared By: A. Kalmbacher

Project ID: SMP

Collected By: B. Davis, K. ApplebySampling Agency: FDEP / NE ROC

|              |                                                                                                                  |                                                                           |                                                                           |                                                                                 |                                          |                               |
|--------------|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------------|------------------------------------------|-------------------------------|
| Location     | WIN ID/Field ID: <br>20030760   | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>7-16-2019</u> Time <u>1050</u> | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date<br>Time            | Bottle Group(s)<br>(See pg 2) |
| Field ID     | BUTCHER PEN CR AT WESCONNETT                                                                                     | Matrix (type, e.g., Salt, <u>Fresh</u> , etc)                             | Diss. Oxygen<br><u>2.96</u>                                               | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat      | Total Res. Chlorine<br>(mg/L)            | C                             |
| WIN/STORE    |                                                                                                                  | Temp (C) <u>26.8</u>                                                      | pH <u>7.11</u>                                                            | Sample Depth <u>0.3</u>                                                         | Sp. Conductance (umho/cm) <u>353</u>     |                               |
| Latitude     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                                                      | Longitude                                                                 | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt) <u>0.17</u>                                                      | Comments                                 |                               |
| Location     | WIN ID/Field ID: <br>20030653   | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>7-16-2019</u> Time <u>0950</u> | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date<br>Time            | Bottle Group(s)               |
| Field ID     | TERRAPIN CR @ Faye Rd.                                                                                           | Matrix (type, e.g., Salt, <u>Fresh</u> , etc)                             | Diss. Oxygen<br><u>4.07</u>                                               | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat      | Total Res. Chlorine<br>(mg/L)            | B                             |
| WIN/STORET   |                                                                                                                  | Temp (C)                                                                  | pH                                                                        | Sample Depth                                                                    | Sp. Conductance (umho/cm)                |                               |
| Latitude     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                                                      | Longitude                                                                 | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt)                                                                  | Comments <u>DID NOT SAMPLE - NO FLOW</u> |                               |
| Location     | WIN ID/Field ID: <br>20030891   | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>7-16-2019</u> Time <u>1305</u> | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date<br>Time            | Bottle Group(s)               |
| Field ID     | GOODBYS CR ABOVE WEST BRANCH AT SAN CLERC                                                                        | Matrix (type, e.g., Salt, <u>Fresh</u> , etc)                             | Diss. Oxygen<br><u>4.07</u>                                               | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat      | Total Res. Chlorine<br>(mg/L)            | B                             |
| WIN/STORET # |                                                                                                                  | Temp (C) <u>27.0</u>                                                      | pH <u>7.17</u>                                                            | Sample Depth <u>0.3</u>                                                         | Sp. Conductance (umho/cm) <u>357</u>     |                               |
| Latitude     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                                                      | Longitude                                                                 | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt) <u>0.17</u>                                                      | Comments                                 |                               |
| Location     | WIN ID/Field ID: <br>20030793 | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>7-16-2019</u> Time <u>1235</u> | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date<br>Time            | Bottle Group(s)               |
| Field ID     | CRAIG CR @ HENDRICKS AVE                                                                                         | Matrix (type, e.g., Salt, <u>Fresh</u> , etc)                             | Diss. Oxygen<br><u>2.36</u>                                               | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat      | Total Res. Chlorine<br>(mg/L)            | D                             |
| WIN/STORET # |                                                                                                                  | Temp (C) <u>27.5</u>                                                      | pH <u>7.16</u>                                                            | Sample Depth <u>0.15</u>                                                        | Sp. Conductance (umho/cm) <u>456</u>     |                               |
| Latitude     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                                                      | Longitude                                                                 | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt) <u>0.22</u>                                                      | Comments                                 |                               |

|                                     |                             |                                |                                     |              |            |
|-------------------------------------|-----------------------------|--------------------------------|-------------------------------------|--------------|------------|
| Relinquished By: <u>[Signature]</u> | Date/Time: <u>7-16-2019</u> | Shipping Method: <u>Fed Ex</u> | Number of Coolers Shipped: <u>2</u> | Received By: | Date/Time: |
|-------------------------------------|-----------------------------|--------------------------------|-------------------------------------|--------------|------------|

1445

Bmap 1

## Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NE-DIST

Requester: Jeremy M. Parrish

Field Report Prepared By:

Project ID: SMP

Collected By:

Sampling Agency:

|                                                                         |                                                                                               |                                                                           |                                                             |                                                                                 |                                                                            |                                                           |
|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------|-----------------------------------------------------------|
| WIN ID/Field ID:                                                        | <br>20030848 | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 7-16-2019 Time 0855 | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date Time                                                 | Bottle<br>Group(s)<br>(See pg 2)                          |
| NW TRIBUTARY TO OPEN CR AT HODGES                                       |                                                                                               | Matrix (type, e.g., Salt, Fresh, etc)                                     |                                                             | Diss. Oxygen<br>5.03                                                            | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)                             |
| Temp<br>(C) 26.5                                                        |                                                                                               | pH 6.96                                                                   |                                                             | Sample<br>Depth 0.2                                                             | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       | Sp. Conductance<br>(umho/cm) 470                          |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms                      | Salinity<br>(ppt) 0.24                                                    |                                                             | 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<br>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<br>(C)                                                               |                                                             | pH                                                                              | Sample<br>Depth                                                            | <input type="checkbox"/> ft<br><input type="checkbox"/> m |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms |                                                                                               | Longitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms  |                                                             | Salinity<br>(ppt)                                                               |                                                                            |                                                           |
| 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<br>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<br>(C)                                                               |                                                             | pH                                                                              | Sample<br>Depth                                                            | <input type="checkbox"/> ft<br><input type="checkbox"/> m |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms |                                                                                               | Longitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms  |                                                             | Salinity<br>(ppt)                                                               |                                                                            |                                                           |
| 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<br>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<br>(C)                                                               |                                                             | pH                                                                              | Sample<br>Depth                                                            | <input type="checkbox"/> ft<br><input type="checkbox"/> m |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms |                                                                                               | Longitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms  |                                                             | Salinity<br>(ppt)                                                               |                                                                            |                                                           |
| 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<br>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<br>(C)                                                               |                                                             | pH                                                                              | Sample<br>Depth                                                            | <input type="checkbox"/> ft<br><input type="checkbox"/> m |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms |                                                                                               | Longitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms  |                                                             | Salinity<br>(ppt)                                                               |                                                                            |                                                           |
| Comments                                                                |                                                                                               |                                                                           |                                                             |                                                                                 |                                                                            |                                                           |

|                    |           |                 |                            |              |           |
|--------------------|-----------|-----------------|----------------------------|--------------|-----------|
| Relinquished By:   | Date/Time | Shipping Method | Number of Coolers Shipped: | Received By: | Date/Time |
| <i>[Signature]</i> | 7-16-2019 | FEDEX           | 2                          |              |           |

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|            |                             |                 |                             |                                     |                             |
|------------|-----------------------------|-----------------|-----------------------------|-------------------------------------|-----------------------------|
| Group: B   | Bottle Type: BP-1L          | # of Bottles: 3 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 2                           |
| CHLSUITE-W |                             |                 |                             |                                     |                             |
| Group: B   | Bottle Type: P-250ML-WI-THI | # of Bottles: 3 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 2<br>← Sent to Contract Lab |
| NE-ALS-ECQ |                             |                 |                             |                                     |                             |
| Group: B   | Bottle Type: QPCR-P-500ML   | # of Bottles: 3 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 2                           |
| PCR-HF183  |                             |                 |                             |                                     |                             |
| Group: B   | Bottle Type: BG-500ML       | # of Bottles: 3 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 2                           |
| W-E8321-DI |                             |                 |                             |                                     |                             |
| W-E8321-MS |                             |                 |                             |                                     |                             |
| Group: B   | Bottle Type: P-500ML        | # of Bottles: 3 | Preservative: ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 2                           |
| W-NH3      |                             |                 |                             |                                     |                             |
| W-NO2NO3   |                             |                 |                             |                                     |                             |
| W-S-A-TP   |                             |                 |                             |                                     |                             |
| W-TKN      |                             |                 |                             |                                     |                             |
| W-TOC      |                             |                 |                             |                                     |                             |
| Group: B   | Bottle Type: P-125ML        | # of Bottles: 3 | Preservative: FILTER-ICE    | Enter Number of Bottles Sent to Lab | 2                           |
| W-PO4-F    |                             |                 |                             |                                     |                             |
| Group: C   | 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: C   | Bottle Type: BP-1L          | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 1                           |
| CHLSUITE-W |                             |                 |                             |                                     |                             |
| Group: C   | Bottle Type: P-250ML-WI-THI | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 1<br>← Sent to contract lab |
| NE-ALS-ECQ |                             |                 |                             |                                     |                             |
| Group: C   | Bottle Type: P-500ML        | # of Bottles: 1 | Preservative: HNO3          | Enter Number of Bottles Sent to Lab | 1                           |
| W-ICP      |                             |                 |                             |                                     |                             |

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

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Group: F      Bottle Type: P-500ML      # of Bottles: 1      Preservative: ICE And H2SO4      Enter Number of Bottles Sent to Lab 1

W-S-A-TP

W-TKN

W-TOC

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Group: F      Bottle Type: P-125ML      # of Bottles: 1      Preservative: FILTER-ICE      Enter Number of Bottles Sent to Lab 1

W-PO4-F

[illegible]