

# 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: Desi

RQ: 2019-08-26-17

Project: LSJR Downton

- Notes: (1) Always wait for meter to stabilize before recording any readings.  
 (2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).  
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

## Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 7/2019

| DO DEP SOP FT 1500 | Name          | Date    | Time CT-ET | Temp °C | Baro-meter mmHg | D.O. Chart mg/L | Meter D.O. mg/L | % DO  | Probe Charge | Probe Gain | Pass / Fail | Lab / Field |
|--------------------|---------------|---------|------------|---------|-----------------|-----------------|-----------------|-------|--------------|------------|-------------|-------------|
| Calibr.            | K. Appleby    | 8/28/19 | 755        | 22.7    | 759.0           | 8.6             | 8.62            | 99.7  | —            | —          | P/F         | L/F         |
| ICV                | ↓             | ↓       | 756        | 22.7    | 759.1           | 8.6             | 8.62            | 99.9  | —            | —          | P/F         | L/F         |
| CCV                | A. Kalmbacher | 8/28/19 | 1430       | 24.7    | 758.2           | 8.3             | 8.31            | 100.1 | —            | —          | P/F         | L/F         |
| CCV                |               |         |            |         |                 |                 |                 |       |              |            | P/F         | L/F         |

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

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

Optical: DO gain range 0.85 to 1.15 (Pro DSS 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

| Spec. Cond. FT 1200 | Name          | Date    | Time CT-ET | Lot #   | Expir. Date | Standard $\mu$ hos/cm | Meter Reading $\mu$ hos/cm | Pass / Fail | Lab / Field |
|---------------------|---------------|---------|------------|---------|-------------|-----------------------|----------------------------|-------------|-------------|
| Calibr.             | K. Appleby    | 8/28/19 | 757        | 190430A | 5/2020      | 1000                  | 1000                       | P/F         | L/F         |
| ICV                 | ↓             | ↓       | 801        | 190319B | 3/2020      | 100                   | 103.6                      | P/F         | L/F         |
| CCV                 | A. Kalmbacher | 8-28-19 | 1435       | 190711C | 7/2020      | 50,000                | 50,486                     | P/F         | L/F         |
| CCV                 |               |         |            |         |             |                       |                            | P/F         | L/F         |

Conductivity Acceptance criteria  $\pm 5\%$

| pH DEP SOP FT 1100 | Name          | Date    | Time CT-ET | Lot #   | Expir. Date | pH Buffer SU | Temp °C | Meter reading SU | mV     | Pass / Fail | Lab / Field |
|--------------------|---------------|---------|------------|---------|-------------|--------------|---------|------------------|--------|-------------|-------------|
| Calibr.            | K. Appleby    | 8/28/19 | 804        | 2902778 | 1/2021      | 7.00         | 24.2    | 7.00             | -27.5  | P/F         | L/F         |
| Calibr.            | ↓             | ↓       | 812        | 2904300 | 3/2021      | 4.00         | 23.9    | 4.00             | 155.1  | P/F         | L/F         |
| Calibr.            | ↓             | ↓       | 815        | 2901B51 | 7/2020      | 10.00        | 23.8    | 10.00            | -196.7 | P/F         | L/F         |
| ICV                | ↓             | ↓       | 817        | 2904300 | 3/2021      | 4.00         | 24.1    | 3.98             | 155.6  | P/F         | L/F         |
| CCV                | A. Kalmbacher | 8-28-19 | 1440       | 2901B51 | 7/2020      | 10.0         | 24.5    | 9.95             | -196.5 | P/F         | L/F         |
| CCV                |               |         |            |         |             |              |         |                  |        | P/F         | L/F         |

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

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

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

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: 7/2019

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: \_\_\_\_\_; Date of last verification: \_\_\_\_\_

| Depth Sensor (Daily Calibration & ICV) | Name       | Date    | Time CT-ET | Calibrated Value (0.00 or Offset), meters | ICV Value, meters | Pass / Fail | Lab / Field |
|----------------------------------------|------------|---------|------------|-------------------------------------------|-------------------|-------------|-------------|
| Pressure mode in air                   | K. Appleby | 8/28/19 | 820        | 0.00                                      | 0.00              | P/F         | L/F         |

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

COMMENTS:



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: MCGIRTS CREEK AT OLD PLANK ROAD

Date: 08/28/2019

(mm/dd/yyyy)

WIN/ Field ID: 20030346

WBID: 2249B

Latitude: 30.42192

(Decimal Degrees)

County: Duval

ORG ID: 21FLA

Longitude: -81.68896

(Decimal Degrees)

Receiving Body of Water: Ortega River

RQ-2019- 08-26-17

| Sampling Team Members                                          |      |                 |                  | WQ Measurements                                  | Sample Collection | Documentation | Preservation | Preservation Check                     | Sampling Equipment                                   |                                   |                                          |                       |  |
|----------------------------------------------------------------|------|-----------------|------------------|--------------------------------------------------|-------------------|---------------|--------------|----------------------------------------|------------------------------------------------------|-----------------------------------|------------------------------------------|-----------------------|--|
| Alicia Hogue                                                   |      |                 |                  |                                                  |                   |               |              |                                        | <input checked="" type="checkbox"/> Sample Container | <input type="checkbox"/> Van Dorn | <input checked="" type="checkbox"/> Pole |                       |  |
| Amy Kalmbacher                                                 |      |                 |                  |                                                  |                   |               |              |                                        | <input type="checkbox"/> Carboy                      | <input type="checkbox"/> Syringe  |                                          |                       |  |
| Kim Appleby                                                    |      |                 |                  |                                                  |                   |               |              |                                        | <input type="checkbox"/> Dipper                      | <input type="checkbox"/> Other    |                                          |                       |  |
| Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded |      |                 |                  | Meter ID# <u>DESI</u>                            |                   |               |              | Matrix: <u>Fresh</u> / Marine / DI     |                                                      |                                   |                                          |                       |  |
| Photos: Yes <u>No</u>                                          |      |                 |                  | Flow: No Flow / Intestinal / <u>Flowing</u> / NA |                   |               |              | Tide: Rising/ Falling/ Slack <u>NA</u> |                                                      |                                   |                                          | Tide Times: High. Low |  |
| Time Zone                                                      | Time | Total Depth (m) | Sample Depth (m) | Secchi Disk (m)                                  | DO (mg/L)         | DO (%SAT)     | pH           | Salinity (PPT)                         | Sp COND (µmhos/cm)                                   | Temp. (C°)                        |                                          |                       |  |
| EST                                                            | 0915 | 0.18            | 0.05             | 0.18                                             | 6.32              | 76.5          | 6.25         | 0.05                                   | 110.0                                                | 24.8                              |                                          |                       |  |
| CEN                                                            |      |                 |                  | S                                                |                   |               |              |                                        |                                                      |                                   |                                          |                       |  |

| 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 | SA9010030 | 4/10/20    | <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  | NA9099030 | 4/09/20    | <input checked="" type="checkbox"/> <2 |
| Filtered Nutrients          | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                          | <input checked="" type="checkbox"/> Ice                                           | R9BA9687  |            |                                        |
| 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:



20030346

MCGIRTS CREEK AT OLD PLANK ROAD

Signature:

Date:

8/28/2019

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: TROUT RIVER AT GARDEN ST

Date: 08/28/2019

(mm/dd/yyyy)

WIN/ Field ID: 20030751

WBID: 2223

Latitude: 30.32983

(Decimal Degrees)

County: Duval

ORG ID: 21FLA

Longitude: 81.86188

(Decimal Degrees)

Receiving Body of Water: Little Trout River

RQ-2019- 08-26-17

## Sampling Team Members

Alicia Hogue

Amy Kalmbacher

Kim Appleby

WQ Measurements  
Sample Collection  
Documentation  
Preservation  
Preservation Check

## Sampling Equipment

☒ Sample Container ☐ Van Dorn ☒ Pole  
☐ Carboy ☐ Syringe  
☐ Dipper ☐ Other

Depth Measured with meter  
Equipment ID 08TH044

## Collection Method

☐ Wading ☐ Canoe/Kayak  
☒ From Shore ☐ Electric Motor  
☐ Other ☐ Gasoline Motor

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

Meter ID# Desi

Matrix: Fresh / Marine / DI

Photos: Yes / No

Flow: No Flow / Intertidal / Flowing / NA

Tide: Rising/ Falling/ Slack/ NA

Tide Times: High Low

| Time Zone | Time | Total Depth (m) | Sample Depth (m) | Secchi Disk (m) | DO (mg/L) | DO (%SAT) | pH   | Salinity (PPT) | Sp COND (umhos/cm) | Temp. (C°) |
|-----------|------|-----------------|------------------|-----------------|-----------|-----------|------|----------------|--------------------|------------|
| EST       | 1005 | 0.1             | 0.05             | 0.1             | 6.2       | 74        | 6.73 | 0.08           | 162                | 24.3       |
| CEN       |      |                 |                  |                 |           |           |      |                |                    |            |

S-confirmed by A.Hogue 9/4/19 cab

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

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

| Parameter Suite             | Parameter Methods                                                                                                                                                                                                      | Preservation                                                                      | Lot#      | Expiration | pH Check                               |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------|------------|----------------------------------------|
| Preserved Nutrients         | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                                                                                                                        | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4 | SA9010030 | 4/10/20    | <input checked="" type="checkbox"/> <2 |
| Metals                      | <input checked="" type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP                                                                                                                                             | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> HNO3  | NA9099030 | 4/9/20     | <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                                           | R9BA86876 |            |                                        |
| 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-CHIC / 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:



20030751

TROUT RIVER AT GARDEN ST

Signature: Alicia D Hogue

Date: 8/28/2019

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: Blockhouse 100m abv Irma rd.

Date: 08/28/2019

(mm/dd/yyyy)

WIN/ Field ID: G2NE1159

WBID: 2207A

Latitude: 30.44008

(Decimal Degrees)

County: Duval

ORG ID: 21FLA

Longitude: -81.69028

(Decimal Degrees)

Receiving Body of Water: Trout River

RQ-2019- 08-26-17

| Sampling Team Members                                                        |                                                                                                                                                                                                                                                                                                                                                                             |                 |                  |                 |                                                                                   | WQ Measurements                         | Sample Collection | Documentation                          | Preservation       | Preservation Check | Sampling Equipment                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |
|------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------|-----------------|-----------------------------------------------------------------------------------|-----------------------------------------|-------------------|----------------------------------------|--------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
| Alicia Hogue                                                                 |                                                                                                                                                                                                                                                                                                                                                                             |                 |                  |                 |                                                                                   |                                         |                   |                                        |                    |                    | <input checked="" type="checkbox"/> Sample Container <input type="checkbox"/> Van Dorn <input checked="" type="checkbox"/> Pole<br><input type="checkbox"/> Carboy <input type="checkbox"/> Syringe<br><input type="checkbox"/> Dipper <input type="checkbox"/> Other<br>Depth Measured with <u>meter</u><br>Equipment ID <u>0821044</u> |  |  |  |  |  |
| Amy Kalmbacher                                                               |                                                                                                                                                                                                                                                                                                                                                                             |                 |                  |                 |                                                                                   |                                         |                   |                                        |                    |                    | <input type="checkbox"/> Wading <input type="checkbox"/> Canoe/Kayak<br><input checked="" type="checkbox"/> From Shore <input type="checkbox"/> Electric Motor<br><input type="checkbox"/> Other <input type="checkbox"/> Gasoline Motor                                                                                                 |  |  |  |  |  |
| Kim Appleby                                                                  |                                                                                                                                                                                                                                                                                                                                                                             |                 |                  |                 |                                                                                   |                                         |                   |                                        |                    |                    |                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |
| Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded               |                                                                                                                                                                                                                                                                                                                                                                             |                 |                  |                 |                                                                                   | Meter ID# <u>Desi</u>                   |                   |                                        |                    |                    | Matrix: <u>fresh</u> / Marine / DI                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |
| Photos: Yes / <u>No</u> Flow: No Flow / Intertidal / <u>Flowing</u> / NA     |                                                                                                                                                                                                                                                                                                                                                                             |                 |                  |                 |                                                                                   | Tide: Rising/ Falling/ Slack/ <u>NA</u> |                   |                                        |                    |                    | Tide Times: High Low                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |
| Time Zone                                                                    | Time                                                                                                                                                                                                                                                                                                                                                                        | Total Depth (m) | Sample Depth (m) | Secchi Disk (m) | DO (mg/L)                                                                         | DO (%SAT)                               | pH                | Salinity (PPT)                         | Sp COND (umhos/cm) | Temp. (C°)         |                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |
| <u>EST</u>                                                                   | <u>1040</u>                                                                                                                                                                                                                                                                                                                                                                 | <u>0.294</u>    | <u>0.15</u>      | <u>0.294</u>    | <u>5.34</u>                                                                       | <u>66.2</u>                             | <u>6.83</u>       | <u>0.07</u>                            | <u>160.1</u>       | <u>26.4</u>        |                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |
| CEN                                                                          |                                                                                                                                                                                                                                                                                                                                                                             |                 |                  | <u>5</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 / <input checked="" type="checkbox"/> W-NO2NO3 / <input checked="" type="checkbox"/> W-TKN / <input checked="" type="checkbox"/> W-TOC / <input checked="" type="checkbox"/> W-S-A-TP                                                                                                                                             |                 |                  |                 | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4 | <u>SA9010030</u>                        | <u>4/10/19</u>    | <input checked="" type="checkbox"/> <2 |                    |                    |                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |
| Metals                                                                       | <input checked="" type="checkbox"/> W-ICPMS <input checked="" type="checkbox"/> W-ICP                                                                                                                                                                                                                                                                                       |                 |                  |                 | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> HNO3  | <u>NA9099030</u>                        | <u>4/9/19</u>     | <input checked="" type="checkbox"/> <2 |                    |                    |                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |
| Filtered Nutrients                                                           | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 um Filter                                                                                                                                                                                                                                                               |                 |                  |                 | <input checked="" type="checkbox"/> Ice                                           | <u>R9BA868</u>                          |                   |                                        |                    |                    |                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |
| Chlorophyll                                                                  | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                                                                                                                                                                                              |                 |                  |                 | <input checked="" type="checkbox"/> Ice                                           |                                         |                   |                                        |                    |                    |                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |
| Physical/Aggregate (Fresh)                                                   | <input checked="" type="checkbox"/> Alkalinity / <input checked="" type="checkbox"/> W-F / <input checked="" type="checkbox"/> W-TSS / <input checked="" type="checkbox"/> TURBIDITY / <input checked="" type="checkbox"/> W-Cl-IC / <input checked="" type="checkbox"/> W-COLOR / <input checked="" type="checkbox"/> W-SO4-IC / <input checked="" 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 checked="" 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 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"/> 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: Used intermediate bottle for E. Coli.  
Did not collect tracers.

WIN ID/Field ID:



G2NE1159

Blockhouse 100m abv Irma rd.

Signature: Alicia D Hogue

Date: 8/28/19

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: Blockhouse at Broward Rd.

Date: 08/28/2019  
(mm/dd/yyyy)

WIN/ Field ID: G2NE1180

WBID: 2207B

Latitude: 30.40725

(Decimal Degrees)

County: Duval

ORG ID: 21FLA

Longitude: 81.84238

(Decimal Degrees)

Receiving Body of Water: Trout River

RQ-2019- 08-26-17

| Sampling Team Members                                                        |                                                                                                                                                                                                                                                                                          |                 |                  |                 | WQ Measurements                                                                                            | Sample Collection | Documentation | Preservation   | Preservation Check                     | Sampling Equipment                        |                                              |                               |                      |  |
|------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------|-----------------|------------------------------------------------------------------------------------------------------------|-------------------|---------------|----------------|----------------------------------------|-------------------------------------------|----------------------------------------------|-------------------------------|----------------------|--|
| Alicia Hogue                                                                 |                                                                                                                                                                                                                                                                                          |                 |                  |                 |                                                                                                            | X                 |               |                |                                        | <input type="checkbox"/> Sample Container | <input checked="" type="checkbox"/> Van Dorn | <input type="checkbox"/> Pole |                      |  |
| Amy Kalmbacher                                                               |                                                                                                                                                                                                                                                                                          |                 |                  |                 |                                                                                                            | X                 | X             | X              |                                        | <input type="checkbox"/> Carboy           | <input type="checkbox"/> Syringe             |                               |                      |  |
| Kim Appleby                                                                  |                                                                                                                                                                                                                                                                                          |                 |                  |                 | X                                                                                                          |                   |               |                |                                        | <input type="checkbox"/> Dipper           | <input type="checkbox"/> Other               |                               |                      |  |
| Water Level: Dry / Pooled / Low / Normal / High / Flooded                    |                                                                                                                                                                                                                                                                                          |                 |                  |                 | Meter ID# <u>YSI Pro DSS Deal</u>                                                                          |                   |               |                |                                        | Matrix: Fresh / Marine / DI               |                                              |                               |                      |  |
| Photos: Yes / No                                                             |                                                                                                                                                                                                                                                                                          |                 |                  |                 | Flow: No Flow / Intestinal / Flowing / NA                                                                  |                   |               |                |                                        | Tide: Rising / Falling / Slack / NA       |                                              |                               | Tide Times: High Low |  |
| Time Zone                                                                    | Time                                                                                                                                                                                                                                                                                     | Total Depth (m) | Sample Depth (m) | Secchi Disk (m) | DO (mg/L)                                                                                                  | DO (%SAT)         | pH            | Salinity (PPT) | Sp COND (µmhos/cm)                     | Temp. (C°)                                |                                              |                               |                      |  |
| EST                                                                          | 1110                                                                                                                                                                                                                                                                                     | 1.354           | 0.3              | 0.8             | 3.48                                                                                                       | 47.8              | 7.04          | 7.78           | 13568                                  | 29.5                                      |                                              |                               |                      |  |
| CEN                                                                          |                                                                                                                                                                                                                                                                                          |                 |                  |                 |                                                                                                            |                   |               |                |                                        |                                           |                                              |                               |                      |  |
| Biological Samples Collected: <u>None</u> HA SCI RPS Algae ID LVS LVI Other: |                                                                                                                                                                                                                                                                                          |                 |                  |                 |                                                                                                            |                   |               |                |                                        |                                           |                                              |                               |                      |  |
| SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#:               |                                                                                                                                                                                                                                                                                          |                 |                  |                 |                                                                                                            |                   |               |                |                                        |                                           |                                              |                               |                      |  |
| Parameter Suite                                                              | Parameter Methods                                                                                                                                                                                                                                                                        |                 |                  |                 | Preservation                                                                                               |                   | Lot#          | Expiration     | pH Check                               |                                           |                                              |                               |                      |  |
| Preserved Nutrients                                                          | <input checked="" type="checkbox"/> W-NH3 / <input checked="" type="checkbox"/> W-NO2NO3 / <input checked="" type="checkbox"/> W-TKN / <input checked="" type="checkbox"/> W-TOC / <input checked="" type="checkbox"/> W-S-A-TP                                                          |                 |                  |                 | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> |                   | SA9010030     | 4/2020         | <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"/> HNO <sub>3</sub>               |                   | NA9049030     | 4/2020         | <input checked="" type="checkbox"/> <2 |                                           |                                              |                               |                      |  |
| Filtered Nutrients                                                           | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                                                                                            |                 |                  |                 | <input type="checkbox"/> Ice                                                                               |                   | R93A26879     |                |                                        |                                           |                                              |                               |                      |  |
| Chlorophyll                                                                  | <input checked="" type="checkbox"/> CHLSUTTE-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-BR-IC / <input type="checkbox"/> W-F / <input type="checkbox"/> W-TSS / <input type="checkbox"/> TURBIDITY                                                                                                   |                 |                  |                 | <input checked="" type="checkbox"/> Ice                                                                    |                   |               |                |                                        |                                           |                                              |                               |                      |  |
| Macroinvertebrates                                                           | <input type="checkbox"/> MI-FW-QLDC                                                                                                                                                                                                                                                      |                 |                  |                 | <input type="checkbox"/> Formalin                                                                          |                   |               |                |                                        |                                           |                                              |                               |                      |  |
| Periphyton                                                                   | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                                                                                                        |                 |                  |                 | <input type="checkbox"/> Ice                                                                               |                   |               |                |                                        |                                           |                                              |                               |                      |  |
| Microbiology                                                                 | <input type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input checked="" type="checkbox"/> Enterococci                                                                                                                                                                          |                 |                  |                 | <input checked="" type="checkbox"/> Ice                                                                    |                   |               |                |                                        |                                           |                                              |                               |                      |  |
| Molecular                                                                    | <input type="checkbox"/> PCR-FILTER <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-GULL2<br><input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-DG3 <input type="checkbox"/> PCR-GFD                                                                         |                 |                  |                 | <input 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 checked="" type="checkbox"/> W-PSNP-TQ <input checked="" type="checkbox"/> W-CT-CL-R <input checked="" type="checkbox"/> W-E8321-DI<br><input checked="" type="checkbox"/> W-PCL-SQ-R <input checked="" type="checkbox"/> WE8321-MS <input checked="" type="checkbox"/> W-CARB-AA |                 |                  |                 | <input checked="" 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:



G2NE1180

Blockhouse at Broward Rd.

Signature: [Signature]

Date: 8-28-2019

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: LONG BR AT EVERGREEN AVE.

08-28-2019

(mm/dd/yyyy)

WIN ID/Field ID: G2NE0735

WBID: 2233

Latitude: 30.364225

County: Duval

ORG ID: 21FLA

Longitude: -81.643563

(Decimal Degrees)

Receiving Body of Water: LSJR

RQ-2019 08-26-17

| Sampling Team Members |  |  |  |  |  | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check | Duplicate Collection | Blank Collection |
|-----------------------|--|--|--|--|--|-----------------|-------------------|---------------|--------------|--------------------|----------------------|------------------|
| Alicia Hogue          |  |  |  |  |  | X               |                   |               |              |                    |                      |                  |
| Amy Kalmbacher        |  |  |  |  |  |                 |                   | X             | X            | X                  |                      |                  |
| Kim Appleby           |  |  |  |  |  |                 | X                 |               |              |                    |                      |                  |

| Sampling Equipment                                   |                                   |                                          |
|------------------------------------------------------|-----------------------------------|------------------------------------------|
| <input checked="" type="checkbox"/> Sample Container | <input type="checkbox"/> Van Dorn | <input checked="" type="checkbox"/> Pole |
| <input type="checkbox"/> Carboy                      | <input type="checkbox"/> Syringe  |                                          |
| <input type="checkbox"/> Dipper                      | <input type="checkbox"/> Other    |                                          |
| Depth Measured with: meter                           |                                   |                                          |
| Equipment ID: ORTHO44                                |                                   |                                          |

| 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# DESI                   | Matrix: Fresh/ Marine/ DI |
| Photos: Yes / No                                     | Flow: No Flow / Intestinal / Flowing/NA | Tide: Rising/ Falling/ Slack/ NA | Tide Times: High Low      |

Field Sample

(Bracket Sample Time)

| 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°) |
|-----------|------|-----------------|------------------|-----------------|-----------|-----------|------|----------------|--------------------|------------|
| CEN       | 1145 | 0.38            | 0.18             | 0.38            | 7.6       | 83.0      | 6.84 | 15.6           | 25740              | 27.8       |
|           |      |                 |                  | S               |           |           |      |                |                    |            |

|                               |          |        |         |                |          |     |     |        |
|-------------------------------|----------|--------|---------|----------------|----------|-----|-----|--------|
| Biological Samples Collected: | None     | HA     | SCI     | RPS            | Algae ID | LVS | LVI | Other: |
| SBIO ID Numbers:              | SBIO-ID: | HA-ID: | RPS-ID: | Macrophyte-ID: | LIMS#:   |     |     |        |

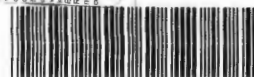
| Parameter Suite             | Parameter Methods                                                                                                                                                                                                               | Preservation                                                                      | Lot#      | Expiration | pH Check                               |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------|------------|----------------------------------------|
| Preserved Nutrients         | <input checked="" type="checkbox"/> W-NH3 / <input 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 | SA9010030 | 4/10/20    | <input checked="" type="checkbox"/> <2 |
| Metals                      | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP                                                                                                                                                                 | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> HNO3  | SA9010030 | 4/10/20    | <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                                           | R9BA86879 |            |                                        |
| 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 type="checkbox"/> Ice                                                      |           |            |                                        |
| Physical/Aggregate (Marine) | <input checked="" type="checkbox"/> Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                                                                                                                                              | <input checked="" type="checkbox"/> Ice                                           |           |            |                                        |
| Macroinvertebrates          | <input type="checkbox"/> MI-FW-QLDC                                                                                                                                                                                             | <input type="checkbox"/> Formalin                                                 |           |            |                                        |
| Periphyton                  | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                                               | <input type="checkbox"/> Ice                                                      |           |            |                                        |
| Microbiology                | <input type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input checked="" type="checkbox"/> Enterococci                                                                                                                 | <input checked="" type="checkbox"/> Ice                                           |           |            |                                        |
| Molecular                   | <input type="checkbox"/> PCR-FILTER <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-GULL2<br><input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-DG3 <input type="checkbox"/> PCR-GFD                | <input type="checkbox"/> Ice                                                      |           |            |                                        |
| Tracers                     | <input type="checkbox"/> W-E3821-MS <input type="checkbox"/> W-E3821-DI                                                                                                                                                         |                                                                                   |           |            |                                        |
| Pesticides                  | <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-E3821-MS <input type="checkbox"/> W-CT-CL-R<br><input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> W-E3821-DI <input type="checkbox"/> W-CARB-AA         |                                                                                   |           |            |                                        |
| Phytoplankton               | <input type="checkbox"/> DTY-QN-C <input type="checkbox"/> PKD-QN-C                                                                                                                                                             |                                                                                   |           |            |                                        |

Contains: 1:1 H2SO4  
Lot No.: SA9010030  
Expires: 04/10/20  
See Safety Data Sheet (SDS)

Contains: 1:1 H2SO4  
Lot No.: SA9010030  
Expires: 04/10/20  
See Safety Data Sheet (SDS)

Sticker(s) Here  
(Label)

WIN ID/Field ID:



G2NE0735

LONG BR AT EVERGREEN AVE.

12/28/19 8-28-19

# Florida Department of Environmental Protection

## Central Laboratory Submittal Form

LSJR Downtown

Customer: NE-DIST

Requester: Jeremy M. ParrishField Report Prepared By: Kimberly Appleby

Project ID: SMP

Collected By: K. Appleby, A. Kalmbacher, A. HoqueSampling Agency: FDEP NE ROL

WIN ID/Field ID:



20030346

MCGIRTS CREEK AT OLD PLANK ROAD

|                                                                           |                                                                        |                                                                                                        |                                           |                                               |
|---------------------------------------------------------------------------|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-------------------------------------------|-----------------------------------------------|
| <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>8/28/19</u> Time <u>915</u> | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central                        | Composite end<br>Date _____ Time _____    | Bottle Group(s)<br>(See pg 2)<br><br><b>B</b> |
| Matrix (type, e.g., Salt, Fresh, etc)<br><u>Fresh</u>                     |                                                                        | Diss. Oxygen<br><u>6.32</u> <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L) <u>—</u>    |                                               |
| Temp<br>(C) <u>24.8</u>                                                   | pH <u>6.25</u>                                                         | Sample Depth <u>0.05</u> <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m          | Sp. Conductance<br>(umho/cm) <u>110.0</u> |                                               |
| Salinity (ppt) <u>0.05</u> Comments _____                                 |                                                                        |                                                                                                        |                                           |                                               |

Latitude

☐ dd

Longitude

☐ dms☐ dd☐ dms

WIN ID/Field ID:



20030751

TROUT RIVER AT GARDEN ST

|                                                                           |                                                                         |                                                                                                       |                                         |                                 |
|---------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------------|
| <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>8/28/19</u> Time <u>1005</u> | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central                       | Composite end<br>Date _____ Time _____  | Bottle Group(s)<br><br><b>B</b> |
| Matrix (type, e.g., Salt, Fresh, etc)<br><u>Fresh</u>                     |                                                                         | Diss. Oxygen<br><u>6.2</u> <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L) <u>—</u>  |                                 |
| Temp<br>(C) <u>24.3</u>                                                   | pH <u>6.73</u>                                                          | Sample Depth <u>0.05</u> <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m         | Sp. Conductance<br>(umho/cm) <u>162</u> |                                 |
| Salinity (ppt) <u>0.08</u> Comments _____                                 |                                                                         |                                                                                                       |                                         |                                 |

Latitude

☐ dd

Longitude

☐ dms☐ dd☐ dms

WIN ID/Field ID:



G2NE1159

Blockhouse 100m abv Irma rd.

|                                                                           |                                                                         |                                                                                                        |                                           |                                 |
|---------------------------------------------------------------------------|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------|
| <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>8/28/19</u> Time <u>1040</u> | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central                        | Composite end<br>Date _____ Time _____    | Bottle Group(s)<br><br><b>C</b> |
| Matrix (type, e.g., Salt, Fresh, etc)<br><u>Fresh</u>                     |                                                                         | Diss. Oxygen<br><u>5.34</u> <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L) <u>—</u>    |                                 |
| Temp<br>(C) <u>26.4</u>                                                   | pH <u>6.83</u>                                                          | Sample Depth <u>0.15</u> <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m          | Sp. Conductance<br>(umho/cm) <u>160.1</u> |                                 |
| Salinity (ppt) <u>0.07</u> Comments _____                                 |                                                                         |                                                                                                        |                                           |                                 |

Latitude

☐ dd

Longitude

☐ dms☐ dd☐ dms

WIN ID/Field ID:



G2NE1180

Blockhouse at Broward Rd.

|                                                                           |                                                                           |                                                                                                        |                                           |                                 |
|---------------------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------|
| <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>8/28/2019</u> Time <u>1110</u> | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central                        | Composite end<br>Date _____ Time _____    | Bottle Group(s)<br><br><b>A</b> |
| Matrix (type, e.g., Salt, Fresh, etc)<br><u>Marine</u>                    |                                                                           | Diss. Oxygen<br><u>3.48</u> <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L) <u>—</u>    |                                 |
| Temp<br>(C) <u>29.5</u>                                                   | pH <u>7.04</u>                                                            | Sample Depth <u>0.3</u> <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m           | Sp. Conductance<br>(umho/cm) <u>13568</u> |                                 |
| Salinity (ppt) <u>7.78</u> Comments _____                                 |                                                                           |                                                                                                        |                                           |                                 |

Latitude

☐ dd

Longitude

☐ dms☐ dd☐ dms

Relinquished By:

K. Appleby

Date/Time

8/28/19 1530

Shipping Method

FedEx

Number of Coolers Shipped:

3

Received By:

Date/Time

# Florida Department of Environmental Protection

## Central Laboratory Submittal Form

Customer: NE-DIST

Project ID: SMP

Requester: Jeremy M. ParrishField Report Prepared By: Kimberly ApplebyCollected By: K. Appleby, A. Kalmbacher, A. Hogue Sampling Agency: FDEP NE ROL

WIN ID/Field ID:



G2NE0735

LONG BR AT EVERGREEN AVE.

|                                                                                                                                         |  |                                                                         |  |                                                                                 |                                        |                                                                                 |                                        |                 |
|-----------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------|--|---------------------------------------------------------------------------------|----------------------------------------|---------------------------------------------------------------------------------|----------------------------------------|-----------------|
| <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab                                                               |  | Collection (comp begin or grab)<br>Date <u>8/28/19</u> Time <u>1145</u> |  | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date _____ Time _____ | Bottle Group(s)<br>(See pg 2)<br><br><u>D</u>                                   |                                        |                 |
| Matrix (type, e.g., Salt, Fresh, etc)<br><u>Marine</u>                                                                                  |  | Diss. Oxygen<br><u>1.6</u>                                              |  | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat      | Total Res. Chlorine (mg/L)<br><u>—</u> |                                                                                 |                                        |                 |
| Temp (C) <u>27.8</u>                                                                                                                    |  | pH <u>6.84</u>                                                          |  | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m            | Sp. Conductance (umho/cm) <u>25740</u> |                                                                                 |                                        |                 |
| Salinity (ppt) <u>15.6</u>                                                                                                              |  | Comments                                                                |  |                                                                                 |                                        |                                                                                 |                                        |                 |
| Latitude <input type="checkbox"/> dd <input type="checkbox"/> dms<br>Longitude <input type="checkbox"/> dd <input type="checkbox"/> dms |  | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab          |  | Collection (comp begin or grab)<br>Date _____ Time _____                        |                                        | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date _____ Time _____ | Bottle Group(s) |
| Location                                                                                                                                |  | Matrix (type, e.g., Salt, Fresh, etc)                                   |  | Diss. Oxygen                                                                    |                                        | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat                 | Total Res. Chlorine (mg/L)             |                 |
| Field ID                                                                                                                                |  | Temp (C)                                                                |  | pH                                                                              |                                        | <input type="checkbox"/> ft<br><input type="checkbox"/> m                       | Sp. Conductance (umho/cm)              |                 |
| WIN/STORET #                                                                                                                            |  | Salinity (ppt)                                                          |  | Comments                                                                        |                                        |                                                                                 |                                        |                 |
| Latitude <input type="checkbox"/> dd <input type="checkbox"/> dms<br>Longitude <input type="checkbox"/> dd <input type="checkbox"/> dms |  | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab          |  | Collection (comp begin or grab)<br>Date _____ Time _____                        |                                        | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date _____ Time _____ | Bottle Group(s) |
| Location                                                                                                                                |  | Matrix (type, e.g., Salt, Fresh, etc)                                   |  | Diss. Oxygen                                                                    |                                        | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat                 | Total Res. Chlorine (mg/L)             |                 |
| Field ID                                                                                                                                |  | Temp (C)                                                                |  | pH                                                                              |                                        | <input type="checkbox"/> ft<br><input type="checkbox"/> m                       | Sp. Conductance (umho/cm)              |                 |
| WIN/STORET #                                                                                                                            |  | Salinity (ppt)                                                          |  | Comments                                                                        |                                        |                                                                                 |                                        |                 |
| Latitude <input type="checkbox"/> dd <input type="checkbox"/> dms<br>Longitude <input type="checkbox"/> dd <input type="checkbox"/> dms |  | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab          |  | Collection (comp begin or grab)<br>Date _____ Time _____                        |                                        | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date _____ Time _____ | Bottle Group(s) |
| Location                                                                                                                                |  | Matrix (type, e.g., Salt, Fresh, etc)                                   |  | Diss. Oxygen                                                                    |                                        | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat                 | Total Res. Chlorine (mg/L)             |                 |
| Field ID                                                                                                                                |  | Temp (C)                                                                |  | pH                                                                              |                                        | <input type="checkbox"/> ft<br><input type="checkbox"/> m                       | Sp. Conductance (umho/cm)              |                 |
| WIN/STORET #                                                                                                                            |  | Salinity (ppt)                                                          |  | Comments                                                                        |                                        |                                                                                 |                                        |                 |
| Latitude <input type="checkbox"/> dd <input type="checkbox"/> dms<br>Longitude <input type="checkbox"/> dd <input type="checkbox"/> dms |  | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab          |  | Collection (comp begin or grab)<br>Date _____ Time _____                        |                                        | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date _____ Time _____ | Bottle Group(s) |
| Location                                                                                                                                |  | Matrix (type, e.g., Salt, Fresh, etc)                                   |  | Diss. Oxygen                                                                    |                                        | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat                 | Total Res. Chlorine (mg/L)             |                 |
| Field ID                                                                                                                                |  | Temp (C)                                                                |  | pH                                                                              |                                        | <input type="checkbox"/> ft<br><input type="checkbox"/> m                       | Sp. Conductance (umho/cm)              |                 |
| WIN/STORET #                                                                                                                            |  | Salinity (ppt)                                                          |  | Comments                                                                        |                                        |                                                                                 |                                        |                 |
| Latitude <input type="checkbox"/> dd <input type="checkbox"/> dms<br>Longitude <input type="checkbox"/> dd <input type="checkbox"/> dms |  | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab          |  | Collection (comp begin or grab)<br>Date _____ Time _____                        |                                        | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date _____ Time _____ | Bottle Group(s) |
| Location                                                                                                                                |  | Matrix (type, e.g., Salt, Fresh, etc)                                   |  | Diss. Oxygen                                                                    |                                        | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat                 | Total Res. Chlorine (mg/L)             |                 |
| Field ID                                                                                                                                |  | Temp (C)                                                                |  | pH                                                                              |                                        | <input type="checkbox"/> ft<br><input type="checkbox"/> m                       | Sp. Conductance (umho/cm)              |                 |
| WIN/STORET #                                                                                                                            |  | Salinity (ppt)                                                          |  | Comments                                                                        |                                        |                                                                                 |                                        |                 |

|                   |                     |                 |                            |              |           |
|-------------------|---------------------|-----------------|----------------------------|--------------|-----------|
| Relinquished By:  | Date/Time           | Shipping Method | Number of Coolers Shipped: | Received By: | Date/Time |
| <u>K. Appleby</u> | <u>8/28/19 1530</u> | <u>FedEx</u>    | <u>3</u>                   |              |           |

|          |                                                    |                |                 |               |                            |                                     |                        |
|----------|----------------------------------------------------|----------------|-----------------|---------------|----------------------------|-------------------------------------|------------------------|
| Group: A | Bottle Type:                                       | P-1L           | # of Bottles: 1 | Preservative: | ICE                        | Enter Number of Bottles Sent to Lab | <u>4</u>               |
|          | ALKALINITY<br>TURBIDITY<br>W-BR-IC<br>W-F<br>W-TSS |                |                 |               |                            |                                     |                        |
| Group: A | Bottle Type:                                       | BP-1L          | # of Bottles: 1 | Preservative: | ICE                        | Enter Number of Bottles Sent to Lab | <u>1</u>               |
|          | CHLSUITE-W                                         |                |                 |               |                            |                                     |                        |
| Group: A | Bottle Type:                                       | P-250ML-WI-THI | # of Bottles: 1 | Preservative: | ICE                        | Enter Number of Bottles Sent to Lab | <u>1</u> → Sent to ALS |
|          | NE-ALS-ENQ                                         |                |                 |               |                            |                                     |                        |
| Group: A | Bottle Type:                                       | QPCR-P-500ML   | # of Bottles: 1 | Preservative: | ICE                        | Enter Number of Bottles Sent to Lab | <u>1</u>               |
|          | PCR-BACR<br>PCR-HF183                              |                |                 |               |                            |                                     |                        |
| Group: A | Bottle Type:                                       | BG-500ML       | # of Bottles: 1 | Preservative: | CH2CICOOH<br>Pre-Preserved | Enter Number of Bottles Sent to Lab | <u>1</u>               |
|          | W-CARB-AA                                          |                |                 |               |                            |                                     |                        |
| Group: A | Bottle Type:                                       | BG-500ML       | # of Bottles: 4 | Preservative: | ICE                        | Enter Number of Bottles Sent to Lab | <u>4</u>               |
|          | W-CT-CI-R<br>W-PCL-SQ-R                            |                |                 |               |                            |                                     |                        |
| Group: A | Bottle Type:                                       | BG-500ML       | # of Bottles: 1 | Preservative: | ICE                        | Enter Number of Bottles Sent to Lab | <u>1</u>               |
|          | W-E8321-DI<br>W-E8321-MS                           |                |                 |               |                            |                                     |                        |
| Group: A | Bottle Type:                                       | P-500ML        | # of Bottles: 1 | Preservative: | HNO3                       | Enter Number of Bottles Sent to Lab | <u>1</u>               |
|          | W-ICP<br>W-ICPMS                                   |                |                 |               |                            |                                     |                        |
| Group: A | Bottle Type:                                       | P-500ML        | # of Bottles: 1 | Preservative: | ICE And H2SO4              | Enter Number of Bottles Sent to Lab | <u>1</u>               |
|          | W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC    |                |                 |               |                            |                                     |                        |
| Group: A | Bottle Type:                                       | P-125ML        | # of Bottles: 1 | Preservative: | FILTER-ICE                 | Enter Number of Bottles Sent to Lab | <u>1</u>               |
|          | W-PO4-F                                            |                |                 |               |                            |                                     |                        |

Group: A      Bottle Type:      BG-1L      # of Bottles: 4      Preservative:      ICE      Enter Number of Bottles Sent to Lab 4

W-PSNP-TQ

Group: B      Bottle Type:      P-1L      # of Bottles: 2      Preservative:      ICE      Enter Number of Bottles Sent to Lab 2

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

W-SO4-IC

W-TDS

W-TSS

Group: B      Bottle Type:      BP-1L      # of Bottles: 2      Preservative:      ICE      Enter Number of Bottles Sent to Lab 2

CHLSUITE-W

Group: B      Bottle Type:      P-250ML-WI-THI      # of Bottles: 2      Preservative:      ICE      Enter Number of Bottles Sent to Lab 2 → Sent to ALS

NE-ALS-ECQ

Group: B      Bottle Type:      P-500ML      # of Bottles: 2      Preservative:      HNO3      Enter Number of Bottles Sent to Lab 2

W-ICP

W-ICPMS

Group: B      Bottle Type:      P-500ML      # of Bottles: 2      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: 2      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

|          |                             |                 |                             |                                     |                             |
|----------|-----------------------------|-----------------|-----------------------------|-------------------------------------|-----------------------------|
| Group: C | Bottle Type: P-1L           | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | <u>—</u>                    |
|          | W-TDS                       |                 |                             |                                     |                             |
|          | W-TSS                       |                 |                             |                                     |                             |
| Group: C | Bottle Type: BP-1L          | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | <u>1</u>                    |
|          | CHLSUITE-W                  |                 |                             |                                     |                             |
| Group: C | Bottle Type: QPCR-P-500ML   | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | <u>1</u>                    |
|          | PCR-BACR                    |                 |                             |                                     |                             |
|          | PCR-HF183                   |                 |                             |                                     |                             |
| Group: C | Bottle Type: BG-500ML       | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | <u>0</u><br>Did not collect |
|          | W-E8321-DI                  |                 |                             |                                     |                             |
|          | W-E8321-MS                  |                 |                             |                                     |                             |
| Group: C | Bottle Type: P-500ML        | # of Bottles: 1 | Preservative: HNO3          | Enter Number of Bottles Sent to Lab | <u>1</u>                    |
|          | W-ICP                       |                 |                             |                                     |                             |
|          | W-ICPMS                     |                 |                             |                                     |                             |
| Group: C | Bottle Type: P-500ML        | # of Bottles: 1 | Preservative: ICE And H2SO4 | Enter Number of Bottles Sent to Lab | <u>1</u>                    |
|          | W-NH3                       |                 |                             |                                     |                             |
|          | W-NO2NO3                    |                 |                             |                                     |                             |
|          | W-S-A-TP                    |                 |                             |                                     |                             |
|          | W-TKN                       |                 |                             |                                     |                             |
|          | W-TOC                       |                 |                             |                                     |                             |
| Group: C | Bottle Type: P-125ML        | # of Bottles: 1 | Preservative: FILTER-ICE    | Enter Number of Bottles Sent to Lab | <u>1</u>                    |
|          | W-PO4-F                     |                 |                             |                                     |                             |
| Group: D | Bottle Type: P-1L           | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | <u>1</u>                    |
|          | ALKALINITY                  |                 |                             |                                     |                             |
|          | TURBIDITY                   |                 |                             |                                     |                             |
|          | W-BR-IC                     |                 |                             |                                     |                             |
|          | W-F                         |                 |                             |                                     |                             |
|          | W-TSS                       |                 |                             |                                     |                             |
| Group: D | Bottle Type: BP-1L          | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | <u>1</u>                    |
|          | CHLSUITE-W                  |                 |                             |                                     |                             |
| Group: D | Bottle Type: P-250ML-WI-THI | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | <u>1</u> → sent to ALS      |
|          | NE-ALS-ENQ                  |                 |                             |                                     |                             |

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

W-NH3

W-NO2NO3

~~W-S-A-TP~~

W-TKN

W-TOC

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

W-PO4-F

Group: C      NE-ALS-ECQ

# sent to Lab: 1 → sent to ALS

