

# 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: ISE ACS

RQ: 2019-08-26-21

Project: 2019-08-26-21

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

## Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 6/2019

| DO 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.            | AKalmbacher | 8-27-19 | 0810       | 23.6    | 760.4           | 8.5             | 8.49            | 100.1 |              |            | P / F       | L / F       |
| ICV                |             |         | 0813       | 23.6    | 760.4           | 8.5             | 8.49            | 100.2 |              |            | (P) F       | (L) F       |
| CCV                | J Parnish   | 8-27-19 | 1400       | 25.8    | 760.4           | 8.1             | 8.16            | 100.2 |              |            | (P) F       | (L) F       |
| CCV                |             |         |            |         |                 |                 |                 |       |              |            | P / F       | L / F       |

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

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

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

| Spec. Cond. FT 1200 | Name        | Date    | Time CT-ET | Lot #   | Expir. Date | Standard $\mu$ mhos/cm | Meter Reading $\mu$ mhos/cm | Pass / Fail | Lab / Field |
|---------------------|-------------|---------|------------|---------|-------------|------------------------|-----------------------------|-------------|-------------|
| Calibr.             | AKalmbacher | 8-27-19 | 0815       | 190711B | 7/2020      | 1,000                  | 1,000                       | P / F       | L / F       |
| ICV                 |             |         | 0815       | 719820  | 12/2019     | 24,820                 | 24,717                      | (P) F       | (L) F       |
| CCV                 | AKalmbacher | 8-27-19 | 1410       | 190711C | 7/2020      | 50,000                 | 50,430                      | (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.            | AKalmbacher | 8-27-19 | 0820       | 2902778 | 1/2021      | 7.           | 24.6    | 7.01             | 158.2 | P / F       | L / F       |
| Calibr.            |             |         | 0823       | 2904300 | 3/2021      | 4.           | 24.5    | 4.00             | 158.3 | P / F       | L / F       |
| Calibr.            |             |         | 0826       | 2901351 | 7/2020      | 10.          | 24.5    | 10.01            | 195.1 | P / F       | L / F       |
| ICV                |             |         | 0828       | 2902778 | 1/2021      | 7.0          | 24.4    | 7.01             | 20.8  | (P) F       | (L) F       |
| CCV                |             |         | 1415       | 2904300 | 3/2021      | 4.0          | 24.6    | 4.00             | 157.0 | (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 10 171.9, slope from 4 to 7 181.5 (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: 7/11

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                   | AKalmbacher | 8-27-19 | 0830       | 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: Little St. Marys River at the Mouth

Date: 8/27/2019

(mm/dd/yyyy)

WIN/ Field ID: G4NE0291

WBID: 2106

Latitude: 30.576507

(Decimal Degrees)

County: Nassau

ORG ID: 21FLA

Longitude: -81.71142

(Decimal Degrees)

Receiving Body of Water: Atl Ocean

RQ-2019- 08-26-21

| Sampling Team Members |  | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-----------------------|--|-----------------|-------------------|---------------|--------------|--------------------|
| Jeremy Parrish        |  |                 | X                 |               | X            |                    |
| Amy Kalmbacher        |  | X               |                   | X             |              |                    |

| Sampling Equipment                                   |                                   |                               |
|------------------------------------------------------|-----------------------------------|-------------------------------|
| <input checked="" type="checkbox"/> Sample Container | <input type="checkbox"/> Van Dorn | <input type="checkbox"/> Pole |
| <input type="checkbox"/> Carboy                      | <input type="checkbox"/> Syringe  |                               |
| <input type="checkbox"/> Dipper                      | <input type="checkbox"/> Other    |                               |
| Depth Measured with <u>meter</u>                     |                                   |                               |
| Equipment ID <u>Ortho Kit 3</u>                      |                                   |                               |

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

Water Level: Dry/ Pooled/ Low / Normal / High / Flooded  
Photos: Yes / No / Flow: No Flow / Intestinal / Flowing / NA  
Meter ID# YSI Pro DSS Desi Matrix: Fresh / Marine / DI  
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°)  |
|------------|-------------|-----------------|------------------|-----------------|------------|-----------|-------------|----------------|--------------------|-------------|
| <u>EST</u> | <u>1145</u> | <u>8.8</u>      | <u>0.3</u>       | <u>0.4</u>      | <u>2.5</u> | <u>33</u> | <u>5.79</u> | <u>0.18</u>    | <u>373</u>         | <u>29.2</u> |
| CEN        |             |                 | <u>7.7</u>       |                 | <u>2.5</u> | <u>33</u> | <u>5.77</u> | <u>0.18</u>    | <u>382</u>         | <u>29.2</u> |

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

S BIO 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>SA9129100</u> | <u>5/2020</u> | <input type="checkbox"/> <2 |
| Metals                      | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP                                                                                                                                                                                                                                                                                                             | <input type="checkbox"/> Ice <input type="checkbox"/> HNO3                        | <u>SA9129100</u> | <u>5/2020</u> | <input type="checkbox"/> <2 |
| Filtered Nutrients          | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                                                                                                                                                                               | <input checked="" type="checkbox"/> Ice                                           | <u>R7HA29007</u> |               |                             |
| Chlorophyll                 | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                                                                                                                                                                                              | <input checked="" type="checkbox"/> Ice                                           |                  |               |                             |
| Physical/Aggregate (Fresh)  | <input checked="" type="checkbox"/> Alkalinity / <input checked="" type="checkbox"/> W-F / <input checked="" type="checkbox"/> W-TSS / <input checked="" type="checkbox"/> TURBIDITY / <input checked="" type="checkbox"/> W-CH-IC / <input checked="" type="checkbox"/> W-COLOR / <input checked="" type="checkbox"/> W-SO4-IC / <input checked="" type="checkbox"/> W-TDS | <input checked="" type="checkbox"/> Ice                                           |                  |               |                             |
| Physical/Aggregate (Marine) | <input type="checkbox"/> Alkalinity / <input type="checkbox"/> W-BR-IC / <input type="checkbox"/> W-F / <input type="checkbox"/> W-TSS / <input type="checkbox"/> TURBIDITY                                                                                                                                                                                                 | <input type="checkbox"/> Ice                                                      |                  |               |                             |
| Macroinvertebrates          | <input type="checkbox"/> MI-FW-QLDC                                                                                                                                                                                                                                                                                                                                         | <input type="checkbox"/> Formalin                                                 |                  |               |                             |
| Periphyton                  | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                                                                                                                                                                                           | <input type="checkbox"/> Ice                                                      |                  |               |                             |
| Microbiology                | <input checked="" type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococci                                                                                                                                                                                                                                                             | <input checked="" type="checkbox"/> Ice                                           |                  |               |                             |
| Molecular                   | <input type="checkbox"/> PCR-FILTER <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-GULL2<br><input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-DG3 <input type="checkbox"/> PCR-GFD                                                                                                                                                            | <input type="checkbox"/> Ice                                                      |                  |               |                             |
| Tracers                     | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> W-E8321-MS                                                                                                                                                                                                                                                                                                     | <input type="checkbox"/> Ice                                                      |                  |               |                             |
| Pesticides                  | <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-CT-CL-R <input type="checkbox"/> W-E8321-DI<br><input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> WE8321-MS <input type="checkbox"/> W-CARB-AA                                                                                                                                                      | <input type="checkbox"/> Ice                                                      |                  |               |                             |
| Phytoplankton               | <input type="checkbox"/> DTY-QN-C <input type="checkbox"/> PKD-QN-C                                                                                                                                                                                                                                                                                                         |                                                                                   |                  |               |                             |

Notes: WIN ID/Field ID: G4NE0291  
Little St. Marys River at the Mouth

Signature: Amy Kalmbacher Date: 8-27-2019

LIMS EVENT ID: WIN Import ID:

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

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



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?  
Yes / No

WIN Station Name: ST MARYS R AT GA LINE US 17

Date: 8/27/2019

WIN/ Field ID: 19010001

WBID: 2097N

Latitude: 30.741583

County: Nassau

ORG ID: 21 FLA

Longitude: -81.688141

Receiving Body of Water: Atlantic Ocean

RQ-2019- 08-26-21

| Sampling Team Members                                                        |                                                                                                                                                                                                                                 |                                                  |                  |                                            |            | WQ Measurements                         | Sample Collection                         | Documentation    | Preservation                     | Preservation Check          | Sampling Equipment                                   |                                                    |                               |  |  |
|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|------------------|--------------------------------------------|------------|-----------------------------------------|-------------------------------------------|------------------|----------------------------------|-----------------------------|------------------------------------------------------|----------------------------------------------------|-------------------------------|--|--|
| Jeremy Parrish                                                               |                                                                                                                                                                                                                                 |                                                  |                  |                                            |            |                                         | X                                         |                  |                                  |                             | <input checked="" type="checkbox"/> Sample Container | <input type="checkbox"/> Van Dorn                  | <input type="checkbox"/> Pole |  |  |
| Amy Kalmbacher                                                               |                                                                                                                                                                                                                                 |                                                  |                  |                                            |            | X                                       |                                           | X                | X                                |                             | <input type="checkbox"/> Carboy                      | <input type="checkbox"/> Syringe                   |                               |  |  |
|                                                                              |                                                                                                                                                                                                                                 |                                                  |                  |                                            |            |                                         |                                           |                  |                                  |                             | <input type="checkbox"/> Dipper                      | <input type="checkbox"/> Other                     |                               |  |  |
|                                                                              |                                                                                                                                                                                                                                 |                                                  |                  |                                            |            |                                         |                                           |                  |                                  |                             | Depth Measured with <u>meter</u>                     |                                                    |                               |  |  |
|                                                                              |                                                                                                                                                                                                                                 |                                                  |                  |                                            |            |                                         |                                           |                  |                                  |                             | Equipment ID <u>Ortho Kit 3</u>                      |                                                    |                               |  |  |
|                                                                              |                                                                                                                                                                                                                                 |                                                  |                  |                                            |            |                                         |                                           |                  |                                  |                             | Collection Method                                    |                                                    |                               |  |  |
|                                                                              |                                                                                                                                                                                                                                 |                                                  |                  |                                            |            |                                         |                                           |                  |                                  |                             | <input type="checkbox"/> Wading                      | <input type="checkbox"/> Canoe/Kayak               |                               |  |  |
|                                                                              |                                                                                                                                                                                                                                 |                                                  |                  |                                            |            |                                         |                                           |                  |                                  |                             | <input type="checkbox"/> From Shore                  | <input checked="" type="checkbox"/> Electric Motor |                               |  |  |
|                                                                              |                                                                                                                                                                                                                                 |                                                  |                  |                                            |            |                                         |                                           |                  |                                  |                             | <input type="checkbox"/> Other                       | <input type="checkbox"/> Gasoline Motor            |                               |  |  |
| Water Level: Dry/ Pooled/ Low <u>Normal</u> / High / Flooded                 |                                                                                                                                                                                                                                 |                                                  |                  |                                            |            | Meter ID# <u>YSI Pro DS</u>             |                                           |                  | Matrix: Fresh / <u>Marine</u> DI |                             |                                                      |                                                    |                               |  |  |
| Photos: Yes / <u>No</u>                                                      |                                                                                                                                                                                                                                 | Flow: No Flow / Intestinal / <u>Flowing</u> / NA |                  | Tide: Rising / Falling / <u>Slack</u> / 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°)                  |                                                      |                                                    |                               |  |  |
| <u>EST</u>                                                                   | <u>1120</u>                                                                                                                                                                                                                     | <u>7.0</u>                                       | <u>0.3</u>       | <u>0.4</u>                                 | <u>3.0</u> | <u>39%</u>                              | <u>6.04</u>                               | <u>0.74</u>      | <u>1363</u>                      | <u>29.5</u>                 |                                                      |                                                    |                               |  |  |
| CEN                                                                          |                                                                                                                                                                                                                                 |                                                  | <u>6.5</u>       |                                            | <u>3.0</u> | <u>39%</u>                              | <u>6.03</u>                               | <u>0.71</u>      | <u>1439</u>                      | <u>29.4</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>SA8344070</u> | <u>12/2019</u>                   | <input type="checkbox"/> <2 |                                                      |                                                    |                               |  |  |
| Metals                                                                       | <input checked="" type="checkbox"/> W-ICPMS <input checked="" type="checkbox"/> W-ICP                                                                                                                                           |                                                  |                  |                                            |            | <input checked="" type="checkbox"/> Ice | <input checked="" type="checkbox"/> HNO3  | <u>NA8344050</u> | <u>12/2019</u>                   | <input type="checkbox"/> <2 |                                                      |                                                    |                               |  |  |
| Filtered Nutrients                                                           | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 um Filter                                                                                                                   |                                                  |                  |                                            |            | <input checked="" type="checkbox"/> Ice |                                           | <u>R7HA2900</u>  |                                  |                             |                                                      |                                                    |                               |  |  |
| Chlorophyll                                                                  | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                                                  |                                                  |                  |                                            |            | <input checked="" type="checkbox"/> Ice |                                           |                  |                                  |                             |                                                      |                                                    |                               |  |  |
| Physical/Aggregate (Fresh)                                                   | <input type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / 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 type="checkbox"/> Enterococci                                                                                                                            |                                                  |                  |                                            |            | <input type="checkbox"/> Ice            |                                           |                  |                                  |                             |                                                      |                                                    |                               |  |  |
| Molecular                                                                    | <input type="checkbox"/> PCR-FILTER <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-GULL2<br><input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-DG3 <input type="checkbox"/> PCR-GFD                |                                                  |                  |                                            |            | <input type="checkbox"/> Ice            |                                           |                  |                                  |                             |                                                      |                                                    |                               |  |  |
| Tracers                                                                      | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> W-E8321-MS                                                                                                                                                         |                                                  |                  |                                            |            | <input type="checkbox"/> Ice            |                                           |                  |                                  |                             |                                                      |                                                    |                               |  |  |
| Pesticides                                                                   | <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-CT-CL-R <input type="checkbox"/> W-E8321-DI<br><input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> WE8321-MS <input type="checkbox"/> W-CARB-AA          |                                                  |                  |                                            |            | <input type="checkbox"/> Ice            |                                           |                  |                                  |                             |                                                      |                                                    |                               |  |  |
| Phytoplankton                                                                | <input type="checkbox"/> DTY-QN-C <input type="checkbox"/> PKD-QN-C                                                                                                                                                             |                                                  |                  |                                            |            | <input type="checkbox"/> Ice            |                                           |                  |                                  |                             |                                                      |                                                    |                               |  |  |

Notes:

WIN ID/Field ID:



19010001

ST MARYS R AT GA LINE US 17

Signature: Amy Kalmbacher

Date: 8-27-2019

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)

(Initials/Date)

Duplicate

Field ID:



19010001 DUP

Location: ST MARYS R AT GA LINE US 17

WIN ID:



19010001

Time Zone:

EST

CEN

Time:

1125

WIN DMT Activity ID:

| Parameter Suite             | Parameter Methods                                                                                                                                                                                                               | Preservation                                                                                               | Lot#      | Expiration | pH Check                    |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-----------|------------|-----------------------------|
| Preserved Nutrients         | <input checked="" type="checkbox"/> W-NH3 / <input checked="" type="checkbox"/> W-NO2NO3 / <input checked="" type="checkbox"/> W-TKN / <input checked="" type="checkbox"/> W-TOC / <input checked="" type="checkbox"/> W-S-A-TP | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> | SA9129100 | 5/2020     | <input 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>               | NA8344050 | 12/2019    | <input type="checkbox"/> <2 |
| Filtered Nutrients          | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                                   | <input checked="" type="checkbox"/> Ice                                                                    | RNA29007  |            |                             |
| Chlorophyll                 | <input checked="" type="checkbox"/> CHLSUTE-W                                                                                                                                                                                   | <input checked="" type="checkbox"/> Ice                                                                    |           |            |                             |
| Physical/Aggregate (Fresh)  | <input type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS                                                                                                                            | <input type="checkbox"/> Ice                                                                               |           |            |                             |
| Physical/Aggregate (Marine) | <input checked="" type="checkbox"/> Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                                                                                                                                              | <input checked="" type="checkbox"/> Ice                                                                    |           |            |                             |
| Microbiology                | <input type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococci                                                                                                                            | <input type="checkbox"/> Ice                                                                               |           |            |                             |
| Molecular                   | <input type="checkbox"/> PCR-FILTER <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-GULL2<br><input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-DG3 <input type="checkbox"/> PCR-GFD                | <input type="checkbox"/> Ice                                                                               |           |            |                             |
| Tracers                     | <input type="checkbox"/> W-E3821-MS <input type="checkbox"/> W-E3821-DI                                                                                                                                                         | <input type="checkbox"/> Ice                                                                               |           |            |                             |
| Pesticides                  | <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-E3821-DI <input type="checkbox"/> W-CT-CL-R<br><input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> W-E-3821-MS <input type="checkbox"/> W-CARB-AA        | <input type="checkbox"/> Ice                                                                               |           |            |                             |

Contains: 1:1 HNO<sub>3</sub>  
Lot No: NA8344050  
Expires: 12/10/19  
See Safety Data Sheet (SDS)

Contains: 1:1 H<sub>2</sub>SO<sub>4</sub>  
Lot No: SA9129100  
Expires: 05/09/20  
See Safety Data Sheet (SDS)

Blank

Time Zone:

EST

CEN

Time:

1130

Field ID:

DI Source:

NE ROC Lab

Location:

St Marys R @ GA line US 17

(Blank Type: DDMMYYYY)

☒ Field Blank☐ Equipment Blank☐ Field Cleaned Equipment Blank

Equipment ID:

WIN DMT Blank Batch ID:

| Parameter Suite             | Parameter Methods                                                                                                                                                                                                               | Preservation                                                                                               | Lot#      | Expiration | pH Check                    |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-----------|------------|-----------------------------|
| Preserved Nutrients         | <input checked="" type="checkbox"/> W-NH3 / <input checked="" type="checkbox"/> W-NO2NO3 / <input checked="" type="checkbox"/> W-TKN / <input checked="" type="checkbox"/> W-TOC / <input checked="" type="checkbox"/> W-S-A-TP | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> | SA9129100 | 5/2020     | <input 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>               | NA8344050 | 12/2019    | <input type="checkbox"/> <2 |
| Filtered Nutrients          | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                                   | <input checked="" type="checkbox"/> Ice                                                                    | RNA29007  |            |                             |
| Physical/Aggregate (Fresh)  | <input type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS                                                                                                                            | <input type="checkbox"/> Ice                                                                               |           |            |                             |
| Physical/Aggregate (Marine) | <input checked="" type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY                                                                                                                                                        | <input checked="" type="checkbox"/> Ice                                                                    |           |            |                             |
| Tracers                     | <input type="checkbox"/> W-E3821-MS <input type="checkbox"/> W-E3821-DI                                                                                                                                                         | <input type="checkbox"/> Ice                                                                               |           |            |                             |
| Pesticides                  | <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-E3821-DI <input type="checkbox"/> W-CT-CL-R<br><input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> W-E3821-MS <input type="checkbox"/> W-CARB-AA         | <input type="checkbox"/> Other                                                                             |           |            |                             |

NITRIC ACID  
20-70%  
DANGER  
7807-37-2  
7732-18-9  
Contains: 1:1 HNO<sub>3</sub>

May be corrosive to metals. Causes severe skin burns and eye damage. Keep away from heat/sunlight. Do not breathe vapors. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Wash contaminated clothing before reuse. Do not get inside clothing. If on skin (or hair): Remove/See off immediately if contaminated clothing. Rinse skin with water. If in eyes: Rinse cautiously with water for 15 minutes. Remove contact lens, if present and easy to do. Continue rinsing. If inhaled: Remove to fresh air. If breathing is difficult: Seek medical attention. Do not breathe dust. Keep container tightly closed. Do not empty into sewer. Empty into appropriate waste container.

Contains: 1:1 H<sub>2</sub>SO<sub>4</sub>  
Lot No: SA9129100  
Expires: 05/09/20  
See Safety Data Sheet (SDS)

Contains: 1:1 HNO<sub>3</sub>  
Lot No: NA8344050  
Expires: 12/10/19  
See Safety Data Sheet (SDS)

Notes:

ST MARYS R AT GA LINE US 17

Field ID:



FB 08272019

Signature:

Date:

8-27-2019

LIMS EVENT ID:

WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT:

QC Station ID, Field Parameters In LIMS DMT:

(Initials/Date)

(Initials/Date)

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data In WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: St. Marys River at Crandall rd.

Date: 8/27/2019

(mm/dd/yyyy)

WIN/ Field ID: 2097N

WBID: G4NE0293

Latitude: 30.72271

(Decimal Degrees)

County: Nassau

ORG ID: 21FLA

Longitude: -81.62189

(Decimal Degrees)

Receiving Body of Water: Atl Ocean

RQ-2019- 08-26-21

| Sampling Team Members |  |  |  |  |  | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-----------------------|--|--|--|--|--|-----------------|-------------------|---------------|--------------|--------------------|
| Jeremy Parrish        |  |  |  |  |  |                 | X                 |               |              |                    |
| Amy Kalmbacher        |  |  |  |  |  | X               | X                 |               |              | X                  |

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

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

|                                                                |                                                  |                                         |
|----------------------------------------------------------------|--------------------------------------------------|-----------------------------------------|
| Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded | Meter ID# <u>SI Pro DSS DESI</u>                 | Matrix: Fresh <u>(Marine)</u> DI        |
| Photos: Yes <u>(No)</u>                                        | Flow: No Flow / Intestinal / <u>(Flowing)</u> NA | Tide: Rising <u>(Falling)</u> 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       | 1005 | 1.0             | 0.3              | 0.5             | 3.8       | 54        | 6.87 | 15.4           | 25.510             | 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"/> H2SO4 | SA9129100 | 05/2020    | <input checked="" type="checkbox"/> <2 |
| Metals                      | <input checked="" type="checkbox"/> W-ICPMS <input checked="" type="checkbox"/> W-ICP                                                                                                                                           | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> HNO3  | NA8344050 | 12/2019    | <input checked="" type="checkbox"/> <2 |
| Filtered Nutrients          | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                                   | <input checked="" type="checkbox"/> Ice                                           | RTHA29007 |            |                                        |
| Chlorophyll                 | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                                                  | <input checked="" type="checkbox"/> Ice                                           |           |            |                                        |
| Physical/Aggregate (Fresh)  | <input type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-CI-IC / W-COLOR / W-SO4-IC / W-TDS                                                                                                                            | <input type="checkbox"/> Ice                                                      |           |            |                                        |
| Physical/Aggregate (Marine) | <input checked="" type="checkbox"/> Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                                                                                                                                              | <input checked="" type="checkbox"/> Ice                                           |           |            |                                        |
| Macroinvertebrates          | <input type="checkbox"/> MI-FW-QLDC                                                                                                                                                                                             | <input type="checkbox"/> Formalin                                                 |           |            |                                        |
| Periphyton                  | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                                               | <input type="checkbox"/> Ice                                                      |           |            |                                        |
| Microbiology                | <input type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococci                                                                                                                            | <input type="checkbox"/> Ice                                                      |           |            |                                        |
| Molecular                   | <input type="checkbox"/> PCR-FILTER <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-GULL2<br><input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-DG3 <input type="checkbox"/> PCR-GFD                | <input type="checkbox"/> Ice                                                      |           |            |                                        |
| Tracers                     | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> W-E8321-MS                                                                                                                                                         | <input type="checkbox"/> Ice                                                      |           |            |                                        |
| Pesticides                  | <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-CT-CL-R <input type="checkbox"/> W-E8321-DI<br><input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> WE8321-MS <input type="checkbox"/> W-CARB-AA          | <input type="checkbox"/> Ice                                                      |           |            |                                        |
| Phytoplankton               | <input type="checkbox"/> DTY-QN-C <input type="checkbox"/> PKD-QN-C                                                                                                                                                             | <input type="checkbox"/> Ice                                                      |           |            |                                        |

Notes:

WIN ID/Field ID:   
G4NE0293

St. Marys River at Crandall rd.

Signature: Amy Kalmbacher

Date: 8-27-2019

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)

Nassau North Boat

## Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NE-DIST

Requester: Jeremy M. Parrish

Field Report Prepared By:

A. Kalmbacher

Project ID: SMP

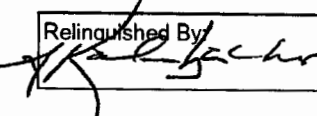
Collected By:

J. Parrish

Sampling Agency:

FDEP/NE ROC

|           |                                                                                                              |                                                                                                    |                                                                                                                                          |                                                                                                               |                                                              |
|-----------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| Location  | WIN ID/Field ID:                                                                                             | <br>G4NE0291      | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab<br>Collection (comp begin or grab)<br>Date 8-27-2019 Time 1145 | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central<br>Composite end<br>Date Time | Bottle Group(s)<br>(See pg 2)                                |
| Field ID  | Little St. Marys River at the Mouth                                                                          |                                                                                                    | Matrix (type, e.g., Salt, Fresh, etc)                                                                                                    | Diss. Oxygen 2.5 mg/L<br><input type="checkbox"/> % sat                                                       | Total Res. Chlorine (mg/L)                                   |
| WIN/S     |                                                                                                              |                                                                                                    | Temp (C) 29.2                                                                                                                            | pH 5.79                                                                                                       | Sample Depth 0.3 ft<br><input checked="" type="checkbox"/> m |
| Latitude  | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                                                  | Longitude                                                                                          | Sp. Conductance (umho/cm) 373                                                                                                            |                                                                                                               |                                                              |
| Location  | WIN ID/Field ID:                                                                                             | <br>19010001      | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab<br>Collection (comp begin or grab)<br>Date 8-27-2019 Time 1120 | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central<br>Composite end<br>Date Time | Bottle Group(s)                                              |
| Field ID  | ST MARYS R AT GA LINE US 17                                                                                  |                                                                                                    | Matrix (type, e.g., Salt, Fresh, etc)                                                                                                    | Diss. Oxygen 3.0 mg/L<br><input type="checkbox"/> % sat                                                       | Total Res. Chlorine (mg/L)                                   |
| WIN/S     |                                                                                                              |                                                                                                    | Temp (C) 29.5                                                                                                                            | pH 6.04                                                                                                       | Sample Depth 0.3 ft<br><input checked="" type="checkbox"/> m |
| Latitude  | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                                                  | Longitude                                                                                          | Sp. Conductance (umho/cm) 1363                                                                                                           |                                                                                                               |                                                              |
| Location  | Field ID:                                                                                                    | <br>19010001 DUP  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab<br>Collection (comp begin or grab)<br>Date 8-27-2019 Time 1125 | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central<br>Composite end<br>Date Time | Bottle Group(s)                                              |
| Field ID  | Location: ST MARYS R AT GA LINE US 17                                                                        |                                                                                                    | Matrix (type, e.g., Salt, Fresh, etc)                                                                                                    | Diss. Oxygen 3.0 mg/L<br><input type="checkbox"/> % sat                                                       | Total Res. Chlorine (mg/L)                                   |
| WIN/STC   | WIN ID: <br>19010001       |                                                                                                    | Temp (C) 29.5                                                                                                                            | pH 6.04                                                                                                       | Sample Depth 0.3 ft<br><input checked="" type="checkbox"/> m |
| Latitude  | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                                                  | Longitude                                                                                          | Sp. Conductance (umho/cm) 1363                                                                                                           |                                                                                                               |                                                              |
| Location  | Field ID:                                                                                                    | <br>FB 08272019 | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab<br>Collection (comp begin or grab)<br>Date 8-27-2019 Time 1130 | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central<br>Composite end<br>Date Time | Bottle Group(s)                                              |
| Field ID  | ST MARYS R AT GA LINE US 17                                                                                  |                                                                                                    | Matrix (type, e.g., Salt, Fresh, etc)                                                                                                    | Diss. Oxygen                                                                                                  | Total Res. Chlorine (mg/L)                                   |
| WIN/STORE | Field ID: <br>FB 08272019 |                                                                                                    | Temp (C)                                                                                                                                 | pH                                                                                                            | Sample Depth                                                 |
| Latitude  | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                                                  | Longitude                                                                                          | Sp. Conductance (umho/cm)                                                                                                                |                                                                                                               |                                                              |
|           |                                                                                                              |                                                                                                    | Salinity (ppt)                                                                                                                           | Comments                                                                                                      |                                                              |

|                                                                                    |           |                 |                            |              |           |
|------------------------------------------------------------------------------------|-----------|-----------------|----------------------------|--------------|-----------|
| Relinquished By:                                                                   | Date/Time | Shipping Method | Number of Coolers Shipped: | Received By: | Date/Time |
|  | 8-27-2019 | Fed Ex          | 2                          |              |           |

**Florida Department of Environmental Protection**  
**Central Laboratory Submittal Form**

Nassau North Boat

last revised Jan 25, 2018

Customer: NE-DIST

Requester: Jeremy M. ParrishField Report Prepared By: A. Kalmbacher

Project ID: SMP

Collected By: J. ParrishSampling Agency: FDEP/NE ROC

|              |                                                             |                                                                                   |                                                                           |                                                                           |                                                                                                    |                                         |                               |  |
|--------------|-------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------------------|--|
| Local        | WIN ID/Field ID:                                            |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>8-27-2019</u> Time <u>1005</u> | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central                    | Composite end<br>Date _____ Time _____  | Bottle Group(s)<br>(See pg 2) |  |
| Field        | G4NE0293                                                    |                                                                                   | Matrix (type, e.g., Salt, Fresh, etc.)                                    |                                                                           | Diss. Oxygen <u>3.8</u> <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine (mg/L)              | A                             |  |
| WIN/         | St. Marys River at Crandall rd.                             |                                                                                   | Temp (C) <u>29.5</u>                                                      | pH <u>6.87</u>                                                            | Sample Depth <u>0.3</u> <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       | Sp. Conductance (umho/cm) <u>25.510</u> |                               |  |
| Latitude     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude                                                                         | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt) <u>15.4</u>                                                | Comments                                                                                           |                                         |                               |  |
| Location     |                                                             |                                                                                   | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            | Collection (comp begin or grab)<br>Date _____ Time _____                  | <input type="checkbox"/> Eastern<br><input type="checkbox"/> Central                               | Composite end<br>Date _____ Time _____  | Bottle Group(s)               |  |
| Field ID     |                                                             |                                                                                   | Matrix (type, e.g., Salt, Fresh, etc.)                                    |                                                                           | Diss. Oxygen <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat                       | Total Res. Chlorine (mg/L)              |                               |  |
| WIN/STORET # |                                                             |                                                                                   | Temp (C)                                                                  | pH                                                                        | Sample Depth <input type="checkbox"/> ft<br><input type="checkbox"/> m                             | Sp. Conductance (umho/cm)               |                               |  |
| Latitude     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude                                                                         | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt)                                                            | Comments                                                                                           |                                         |                               |  |
| Location     |                                                             |                                                                                   | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            | Collection (comp begin or grab)<br>Date _____ Time _____                  | <input type="checkbox"/> Eastern<br><input type="checkbox"/> Central                               | Composite end<br>Date _____ Time _____  | Bottle Group(s)               |  |
| Field ID     |                                                             |                                                                                   | Matrix (type, e.g., Salt, Fresh, etc.)                                    |                                                                           | Diss. Oxygen <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat                       | Total Res. Chlorine (mg/L)              |                               |  |
| WIN/STORET # |                                                             |                                                                                   | Temp (C)                                                                  | pH                                                                        | Sample Depth <input type="checkbox"/> ft<br><input type="checkbox"/> m                             | Sp. Conductance (umho/cm)               |                               |  |
| Latitude     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude                                                                         | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt)                                                            | Comments                                                                                           |                                         |                               |  |
| Location     |                                                             |                                                                                   | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            | Collection (comp begin or grab)<br>Date _____ Time _____                  | <input type="checkbox"/> Eastern<br><input type="checkbox"/> Central                               | Composite end<br>Date _____ Time _____  | Bottle Group(s)               |  |
| Field ID     |                                                             |                                                                                   | Matrix (type, e.g., Salt, Fresh, etc.)                                    |                                                                           | Diss. Oxygen <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat                       | Total Res. Chlorine (mg/L)              |                               |  |
| WIN/STORET # |                                                             |                                                                                   | Temp (C)                                                                  | pH                                                                        | Sample Depth <input type="checkbox"/> ft<br><input type="checkbox"/> m                             | Sp. Conductance (umho/cm)               |                               |  |
| Latitude     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude                                                                         | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt)                                                            | Comments                                                                                           |                                         |                               |  |

|                                       |                             |                               |                                     |              |            |
|---------------------------------------|-----------------------------|-------------------------------|-------------------------------------|--------------|------------|
| Relinquished By: <u>J. Kalmbacher</u> | Date/Time: <u>8-27-2019</u> | Shipping Method: <u>FedEx</u> | Number of Coolers Shipped: <u>2</u> | Received By: | Date/Time: |
|---------------------------------------|-----------------------------|-------------------------------|-------------------------------------|--------------|------------|

Group: A      Bottle Type: P-1L      # of Bottles: 3      Preservative: ICE      Enter Number of Bottles Sent to Lab 3

ALKALINITY  
TURBIDITY  
W-BR-IC  
W-F  
W-TSS

Group: A      Bottle Type: BP-1L      # of Bottles: 3      Preservative: ICE      Enter Number of Bottles Sent to Lab 3

CHLSUITE-W

Group: A      Bottle Type: P-500ML      # of Bottles: 3      Preservative: HNO3      Enter Number of Bottles Sent to Lab 3

W-ICP  
W-ICPMS

Group: A      Bottle Type: P-500ML      # of Bottles: 3      Preservative: ICE And H2SO4      Enter Number of Bottles Sent to Lab 3

W-NH3  
W-NO2NO3  
W-S-A-TP  
W-TKN  
W-TOC

Group: A      Bottle Type: P-125ML      # of Bottles: 3      Preservative: FILTER-ICE      Enter Number of Bottles Sent to Lab 3

W-PO4-F

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

ALKALINITY  
TURBIDITY  
W-CL-IC  
W-COLOR  
W-F  
W-SO4-IC  
W-TDS  
W-TSS

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

CHLSUITE-W

Group: B      Bottle Type: P-250ML-WI-THI      # of Bottles: 1      Preservative: ICE      Enter Number of Bottles Sent to Lab 1 *→ Sent to Contract Lab*

NE-ALS-ECQ

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

|          |              |         |                 |                             |                                     |
|----------|--------------|---------|-----------------|-----------------------------|-------------------------------------|
| Group: B | Bottle Type: | P-500ML | # of Bottles: 1 | Preservative: ICE And H2SO4 | Enter Number of Bottles Sent to Lab |
|          | W-NH3        |         |                 |                             | 1                                   |
|          | W-NO2NO3     |         |                 |                             |                                     |
|          | W-S-A-TP     |         |                 |                             |                                     |
|          | W-TKN        |         |                 |                             |                                     |
|          | W-TOC        |         |                 |                             |                                     |

|          |              |         |                 |                          |                                     |
|----------|--------------|---------|-----------------|--------------------------|-------------------------------------|
| Group: B | Bottle Type: | P-125ML | # of Bottles: 1 | Preservative: FILTER-ICE | Enter Number of Bottles Sent to Lab |
|          | W-PO4-F      |         |                 |                          | 1                                   |

|          |              |      |                 |                   |                                     |
|----------|--------------|------|-----------------|-------------------|-------------------------------------|
| Group: C | Bottle Type: | P-1L | # of Bottles: 1 | Preservative: ICE | Enter Number of Bottles Sent to Lab |
|          | ALKALINITY   |      |                 |                   | 1                                   |
|          | TURBIDITY    |      |                 |                   |                                     |
|          | W-BR-IC      |      |                 |                   |                                     |
|          | W-COLOR      |      |                 |                   |                                     |
|          | W-F          |      |                 |                   |                                     |
|          | W-TSS        |      |                 |                   |                                     |

|          |              |         |                 |                    |                                     |
|----------|--------------|---------|-----------------|--------------------|-------------------------------------|
| Group: C | Bottle Type: | P-500ML | # of Bottles: 1 | Preservative: HNO3 | Enter Number of Bottles Sent to Lab |
|          | W-ICP        |         |                 |                    | 1                                   |
|          | W-ICPMS      |         |                 |                    |                                     |

|          |              |         |                 |                             |                                     |
|----------|--------------|---------|-----------------|-----------------------------|-------------------------------------|
| Group: C | Bottle Type: | P-500ML | # of Bottles: 1 | Preservative: ICE And H2SO4 | Enter Number of Bottles Sent to Lab |
|          | W-NH3        |         |                 |                             | 1                                   |
|          | 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 |
|          | W-PO4-F      |         |                 |                          | 1                                   |

