

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

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

Meter ID: Pro DSS

RQ: 2019-03-18-16

Project: Sherman GCM

Notes: (1) Always wait for meter to stabilize before recording any readings.

(2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).

(3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

## Temperature (Quarterly) FT 1400

Date of Last Temperature Verification \_\_\_\_\_

| DO<br>DEP SOP<br>FT 1500 | Name        | Date   | Time<br>CT-ET | Temp<br>°C | Baro-<br>meter<br>mmHg | D.O.<br>Chart<br>mg/L | Meter<br>D.O.<br>mg/L | % DO | Probe<br>Charge | Probe<br>Gain | Pass<br>/<br>Fail | Lab<br>/<br>Field |
|--------------------------|-------------|--------|---------------|------------|------------------------|-----------------------|-----------------------|------|-----------------|---------------|-------------------|-------------------|
| Calibr.                  | Brian Davis | 6/3/19 | 838           | 23.7       | 755.8                  | 8.4                   | 8.4                   | 99.4 | /               | /             | (P) F             | (L) F             |
| ICV                      |             |        | 840           | 23.8       | 755.6                  | 8.4                   | 8.40                  | 99.4 | /               | /             | (P) F             | (L) F             |
| CCV                      | AKalmbacher | 6-3-19 | 1450          | 25.7       | 755.4                  | 8.1                   | 8.08                  | 99.0 |                 |               | (P) F             | (L) F             |
| CCV                      |             |        |               |            |                        |                       |                       |      |                 |               | P / F             | L / F             |

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

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

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

| Spec.<br>Cond.<br>FT 1200 | Name        | Date   | Time<br>CT-ET | Lot #   | Expir.<br>Date | Standard<br>$\mu$ hos/cm | Meter<br>Reading<br>$\mu$ hos/cm | Pass<br>/<br>Fail | Lab<br>/<br>Field |
|---------------------------|-------------|--------|---------------|---------|----------------|--------------------------|----------------------------------|-------------------|-------------------|
| Calibr.                   | Brian Davis | 6/3/19 | 843           | 190430A | 5/20           | 1000                     | 999                              | (P) F             | (L) F             |
| ICV                       |             |        | 848           | 190517B | 3/20           | 100                      | 103.6                            | (P) F             | (L) F             |
| CCV                       | AKalmbacher | 6-3-19 | 1453          | 190430A | 5/2020         | 1,000                    | 1004                             | (P) F             | (L) F             |
| CCV                       |             |        |               |         |                |                          |                                  | P / F             | L / F             |

Conductivity Acceptance criteria  $\pm 5\%$

| pH<br>DEP SOP<br>FT 1100 | Name        | Date   | Time<br>CT-ET | Lot #   | Expir.<br>Date | pH<br>Buffer<br>SU | Temp<br>°C | Meter<br>reading<br>SU | mV     | Pass<br>/<br>Fail | Lab<br>/<br>Field |
|--------------------------|-------------|--------|---------------|---------|----------------|--------------------|------------|------------------------|--------|-------------------|-------------------|
| Calibr.                  | Brian Davis | 6/3/19 | 755           | 2811EG1 | 11/20          | 7.0                | 24.4       | 7.01                   | -53.9  | (P) F             | (L) F             |
| Calibr.                  |             | 6/3/19 | 859           | 2901A40 | 1/21           | 4.0                | 24.4       | 4.0                    | 125.4  | (P) F             | (L) F             |
| Calibr.                  |             | 6/3/19 | 907           | 2901A51 | 2/20           | 10.01              | 24.5       | 10.01                  | -22.2  | (P) F             | (L) F             |
| ICV                      |             | 6/3/19 | 910           | 2811EG1 | 11/20          | 7.0                | 24.5       | 7.09                   | -56.7  | (P) F             | (L) F             |
| CCV                      | AKalmbacher | 6-3-19 | 1455          | 2901B51 | 2/2020         | 10.0               | 24.5       | 10.11                  | -234.3 | (P) F             | (L) F             |
| CCV                      |             |        |               |         |                |                    |            |                        |        | P / F             | L / F             |

pH Acceptance criteria  $\pm 0.2$  SU; mV pH 7 Range  $0 \pm 50$ ;

mV pH 4 Range  $+180 \pm 50$ ;

mV pH 10 Range  $-180 \pm 50$ ;

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

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

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

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

| Depth Sensor<br>(Daily Calibration &<br>ICV) | Name | Date   | Time<br>CT-ET | Calibrated<br>Value (0.00 or<br>Offset), meters | ICV Value,<br>meters | Pass /<br>Fail | Lab /<br>Field |
|----------------------------------------------|------|--------|---------------|-------------------------------------------------|----------------------|----------------|----------------|
| Pressure mode in air                         | F-T  | 6/3/19 | 914           | 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: SHERMAN CR @ CONF SAN PABLO R

Date: 6/3/19  
(mm/dd/yyyy)

WIN/ Field ID: 20030802

WBID: 2227 Latitude: 30.3700  
(Decimal Degrees)

County: Duval

ORG ID: 21FLA Longitude: -81.43803  
(Decimal Degrees)

Receiving Body of Water: ICW

RQ-2019- 03-18-16

Sampling Team Members

| WQ Measurements                     | Sample Collection                   | Documentation                       | Preservation                        | Preservation Check                  |
|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

B Davis  
A Kshirsagar

Sampling Equipment

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

Depth Measured with Pro DSS  
Equipment ID 0450 #7

Collection Method

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

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

Meter ID# P-0 DSS

Matrix: Fresh / Marine / DI

Photos: Yes ☒ No ☐

Flow: No Flow / Intertidal / Flowing / NA

Tide: Rising / Falling / Slack / NA

Tide Times: High 1130 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       | 1250 | 1.3             | 0.3              | 0.9             | 5.0       | 78.5      | 7.61 | 48585          | 31.55              | 29.7       |
| CEN       |      |                 |                  |                 |           |           |      |                |                    |            |

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

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

| Parameter Suite             | Parameter Methods                                                                                                                                                                                                       | Preservation                                                                      | Lot#             | Expiration     | pH Check                               |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------|----------------|----------------------------------------|
| Preserved Nutrients         | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                                                                                                                         | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4 | <u>SA9010010</u> | <u>4/10/20</u> | <input checked="" type="checkbox"/> <2 |
| Metals                      | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP                                                                                                                                                         | <input type="checkbox"/> Ice <input type="checkbox"/> HNO3                        |                  |                | <input type="checkbox"/> <2            |
| Filtered Nutrients          | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                           | <input checked="" type="checkbox"/> Ice                                           | <u>R8KA12718</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-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 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"/> 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:

Continuous Monitoring  
Out of Water 1255

SHERMAN CR @ CONF SAN PABLO R



20030802

Signature: [Signature]

Date: 6/3/19

LIMS EVENT ID:

WIN Import ID:

Enter Field Parameters, Verify Station ID in LIMS DMT:

QC Station ID, Field Parameters in LIMS DMT:

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data in WIN:



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
SMP CONTINUOUS MONITORING SHEET

August 2017

PAGE \_\_\_\_ OF \_\_\_\_

Data Qualified?  
Yes / No

STORET Station Name: Sherman Cr @ Conf San Pablo R

WBID: 2227

STORET Station ID: 20030802

ORG ID: 21FLA

Field ID: \_\_\_\_\_

County: Duval

RQ - 2019-04-08-59

|                                                                                                                                                                                                                                                                                                                                                                  |                                |                                        |                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------------------|------------------------------------------|
| Meter ID# : <u>3AD</u>                                                                                                                                                                                                                                                                                                                                           |                                |                                        |                                          |
| <b>Pre-Deployment Setup</b>                                                                                                                                                                                                                                                                                                                                      |                                |                                        |                                          |
| Date: <u>5/22/19</u>                                                                                                                                                                                                                                                                                                                                             |                                | Performed by: <u>Brian Davis</u>       |                                          |
| Parameters Recorded: <input checked="" type="checkbox"/> Date <input checked="" type="checkbox"/> Time <input checked="" type="checkbox"/> Temp. (C) <input checked="" type="checkbox"/> Sp. Cond. <input checked="" type="checkbox"/> DOSAT <input checked="" type="checkbox"/> DO (mg/L) <input type="checkbox"/> pH <input checked="" type="checkbox"/> Depth |                                |                                        |                                          |
| Sampling Interval (min): <u>15</u>                                                                                                                                                                                                                                                                                                                               | Free Memory (days): <u>101</u> | Expected Battery Life: <u>202 days</u> | Programmed Duration: <u>7 days / 365</u> |
| Sonde Filename: <u>SC52919</u>                                                                                                                                                                                                                                                                                                                                   |                                |                                        | Reset Clock? (Y or N) <u>N</u>           |
| Programmed Start Date/Time: <u>5/22/19</u> (mm/dd/yyyy) <u>1030</u> (hh:mm:ss) (Cent. / <u>East</u> )                                                                                                                                                                                                                                                            |                                |                                        | Wipers Park Correctly? <u>Yes</u>        |
| Programmed End Date/Time: <u>5/29/19</u> (mm/dd/yyyy) <u>1030</u> (hh:mm:ss) (Cent. / <u>East</u> )                                                                                                                                                                                                                                                              |                                |                                        | Calibration Date <u>5/22/19</u>          |

|                                            |                             |                              |                           |
|--------------------------------------------|-----------------------------|------------------------------|---------------------------|
| <b>Deployment</b>                          |                             |                              |                           |
| Date: <u>5/22/19</u>                       |                             | Time Into Water: <u>1130</u> |                           |
| Time Zone: <u>Cent. / East.</u>            |                             |                              |                           |
| Deployed Sonde Latitude: <u>30.3700</u>    | Deployed By: <u>B Davis</u> |                              | (print all staff present) |
| Deployed Sonde Longitude: <u>-81.43803</u> | <u>A Kelnbeck</u>           |                              |                           |

Notes: (how to get to, landmarks, site considerations & concerns, etc.)

|                                                                             |  |
|-----------------------------------------------------------------------------|--|
| Photos: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |  |
|-----------------------------------------------------------------------------|--|

|                                           |                              |                                |  |
|-------------------------------------------|------------------------------|--------------------------------|--|
| <b>Retrieval</b>                          |                              |                                |  |
| Date: <u>6/3/19</u>                       |                              | Time Out Of Water: <u>1255</u> |  |
| Time Zone: <u>Cent.</u> / East.           |                              |                                |  |
| Mounting left or removed? <u>Removed.</u> | Retrieved By: <u>B Davis</u> |                                |  |

Notes: (significant fouling, signs of human disturbance, site considerations and concerns, etc.)

|                                                |  |
|------------------------------------------------|--|
| <u>Significant smothering from Algae/silt.</u> |  |
| <u>Lock seized and cut off.</u>                |  |

|                                        |                                         |
|----------------------------------------|-----------------------------------------|
| <b>Post-Deployment</b>                 |                                         |
| Date: <u>6/4/19</u>                    | Performed by: <u>Brian Davis</u>        |
| Data File Downloaded? <u>Yes</u> / No  | Archived Filename: <u>06032019-data</u> |
| Meter Verification Date: <u>6/4/19</u> |                                         |

# 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: 3A7

RQ: 2019-04-08-59

Project: Shenan CM

Notes: (1) Always wait for meter to stabilize before recording any readings.

(2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).

(3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

## Temperature (Quarterly) FT 1400

Date of Last Temperature Verification \_\_\_\_\_

| DO<br>DEP SOP<br>FT 1500 | Name               | Date        | Time<br>CT-ET | Temp<br>°C  | Baro-<br>meter<br>mmHg | D.O.<br>Chart<br>mg/L | Meter<br>D.O.<br>mg/L | % DO         | Probe<br>Charge | Probe<br>Gain | Pass<br>/<br>Fail | Lab<br>/<br>Field |
|--------------------------|--------------------|-------------|---------------|-------------|------------------------|-----------------------|-----------------------|--------------|-----------------|---------------|-------------------|-------------------|
| Calibr.                  | <u>Buick Davis</u> | <u>5/22</u> | <u>810</u>    | <u>23.7</u> | <u>760</u>             | <u>8.5</u>            | <u>8.47</u>           | <u>100</u>   | <u>-</u>        | <u>-</u>      | <u>(P/F)</u>      | <u>(L/F)</u>      |
| ICV                      | <u>↓</u>           | <u>↓</u>    | <u>812</u>    | <u>23.7</u> | <u>760</u>             | <u>8.5</u>            | <u>8.47</u>           | <u>100.1</u> | <u>-</u>        | <u>-</u>      | <u>(P/F)</u>      | <u>(L/F)</u>      |
| CCV                      | <u>↓</u>           | <u>6/4</u>  | <u>1235</u>   | <u>23.3</u> | <u>760</u>             | <u>8.5</u>            | <u>8.42</u>           | <u>98.8</u>  | <u>-</u>        | <u>-</u>      | <u>(P/F)</u>      | <u>(L/F)</u>      |
| CCV                      |                    |             |               |             |                        |                       |                       |              |                 |               | <u>P/F</u>        | <u>L/F</u>        |

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 D55 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

| Spec.<br>Cond.<br>FT 1200 | Name       | Date        | Time<br>CT-ET | Lot #          | Expir.<br>Date | Standard<br>$\mu$ hos/cm | Meter<br>Reading<br>$\mu$ hos/cm | Pass<br>/<br>Fail | Lab<br>/<br>Field |
|---------------------------|------------|-------------|---------------|----------------|----------------|--------------------------|----------------------------------|-------------------|-------------------|
| Calibr.                   | <u>B-V</u> | <u>5/22</u> | <u>815</u>    | <u>190430A</u> | <u>5/20</u>    | <u>1000</u>              | <u>1000</u>                      | <u>(P/F)</u>      | <u>(L/F)</u>      |
| ICV                       | <u>↓</u>   | <u>↓</u>    | <u>819</u>    | <u>180919</u>  | <u>9/19</u>    | <u>50,000</u>            | <u>50512</u>                     | <u>(P/F)</u>      | <u>(L/F)</u>      |
| CCV                       | <u>↓</u>   | <u>6/4</u>  | <u>1237</u>   | <u>190430A</u> | <u>5/20</u>    | <u>50,000</u>            | <u>50,623</u>                    | <u>(P/F)</u>      | <u>(L/F)</u>      |
| CCV                       |            |             |               |                |                |                          |                                  | <u>P/F</u>        | <u>L/F</u>        |

Conductivity Acceptance criteria  $\pm 5\%$

| pH<br>DEP SOP<br>FT 1100 | Name       | Date        | Time<br>CT-ET | Lot # | Expir.<br>Date | pH<br>Buffer<br>SU | Temp<br>°C | Meter<br>reading<br>SU | mV | Pass<br>/<br>Fail | Lab<br>/<br>Field |
|--------------------------|------------|-------------|---------------|-------|----------------|--------------------|------------|------------------------|----|-------------------|-------------------|
| Calibr.                  | <u>B-V</u> | <u>5/22</u> |               |       |                | <u>7.</u>          |            |                        |    | <u>P/F</u>        | <u>L/F</u>        |
| Calibr.                  |            |             |               |       |                | <u>4.</u>          |            |                        |    | <u>P/F</u>        | <u>L/F</u>        |
| Calibr.                  |            |             |               |       |                | <u>10.</u>         |            |                        |    | <u>P/F</u>        | <u>L/F</u>        |
| ICV                      |            |             |               |       |                |                    |            |                        |    | <u>P/F</u>        | <u>L/F</u>        |
| CCV                      |            |             |               |       |                |                    |            |                        |    | <u>P/F</u>        | <u>L/F</u>        |
| CCV                      |            |             |               |       |                |                    |            |                        |    | <u>P/F</u>        | <u>L/F</u>        |

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

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

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

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

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

| Depth Sensor<br>(Daily Calibration &<br>ICV) | Name       | Date        | Time<br>CT-ET | Calibrated<br>Value (0.00 or<br>Offset), meters | ICV Value,<br>meters | Pass /<br>Fail | Lab /<br>Field |
|----------------------------------------------|------------|-------------|---------------|-------------------------------------------------|----------------------|----------------|----------------|
| Pressure mode in air                         | <u>B-V</u> | <u>5/22</u> | <u>822</u>    | <u>0.00</u>                                     | <u>0.00</u>          | <u>(P/F)</u>   | <u>(L/F)</u>   |

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:

Continuous Monitoring Event

## Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NE-DIST

Requester: Brian Davis

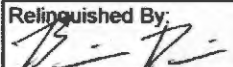
Field Report Prepared By: Brian Davis

Project ID: SMP

Collected By: Brian Davis

Sampling Agency: DEARNED

|              |                                                                                               |           |                                                                           |                                                          |                     |                                                                            |                                     |   |
|--------------|-----------------------------------------------------------------------------------------------|-----------|---------------------------------------------------------------------------|----------------------------------------------------------|---------------------|----------------------------------------------------------------------------|-------------------------------------|---|
| Location     | SHERMAN CR @ CONF SAN PABLO R                                                                 |           | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 6/3/19 Time 1250 | Eastern<br>Central  | Composite end<br>Date Time                                                 | Bottle<br>Group(s)<br>(See pg 2)    |   |
| Field ID     | <br>20030802 |           | Matrix (type, e.g., Salt, Fresh, etc)<br>Salt                             |                                                          | Diss. Oxygen<br>5.0 | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)       |   |
| WIN          |                                                                                               |           | Temp<br>(C) 29.7                                                          | pH 7.61                                                  | Sample<br>Depth 0.3 | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       | Sp. Conductance<br>(umho/cm) 48,585 |   |
| Latitude     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                                   | Longitude | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity<br>(ppt) 31.55                                  | Comments            |                                                                            |                                     | B |
| Location     |                                                                                               |           | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            | Collection (comp begin or grab)<br>Date Time             | Eastern<br>Central  | Composite end<br>Date Time                                                 | Bottle<br>Group(s)                  |   |
| Field ID     |                                                                                               |           | Matrix (type, e.g., Salt, Fresh, etc)                                     |                                                          | Diss. Oxygen        | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            | Total Res. Chlorine<br>(mg/L)       |   |
| WIN/STORET # |                                                                                               |           | Temp<br>(C)                                                               | pH                                                       | Sample<br>Depth     | <input type="checkbox"/> ft<br><input type="checkbox"/> m                  | Sp. Conductance<br>(umho/cm)        |   |
| Latitude     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                                   | Longitude | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity<br>(ppt)                                        | Comments            |                                                                            |                                     |   |
| Location     |                                                                                               |           | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            | Collection (comp begin or grab)<br>Date Time             | Eastern<br>Central  | Composite end<br>Date Time                                                 | Bottle<br>Group(s)                  |   |
| Field ID     |                                                                                               |           | Matrix (type, e.g., Salt, Fresh, etc)                                     |                                                          | Diss. Oxygen        | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            | Total Res. Chlorine<br>(mg/L)       |   |
| WIN/STORET # |                                                                                               |           | Temp<br>(C)                                                               | pH                                                       | Sample<br>Depth     | <input type="checkbox"/> ft<br><input type="checkbox"/> m                  | Sp. Conductance<br>(umho/cm)        |   |
| Latitude     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                                   | Longitude | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity<br>(ppt)                                        | Comments            |                                                                            |                                     |   |
| Location     |                                                                                               |           | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            | Collection (comp begin or grab)<br>Date Time             | Eastern<br>Central  | Composite end<br>Date Time                                                 | Bottle<br>Group(s)                  |   |
| Field ID     |                                                                                               |           | Matrix (type, e.g., Salt, Fresh, etc)                                     |                                                          | Diss. Oxygen        | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            | Total Res. Chlorine<br>(mg/L)       |   |
| WIN/STORET # |                                                                                               |           | Temp<br>(C)                                                               | pH                                                       | Sample<br>Depth     | <input type="checkbox"/> ft<br><input type="checkbox"/> m                  | Sp. Conductance<br>(umho/cm)        |   |
| Latitude     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                                   | Longitude | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity<br>(ppt)                                        | Comments            |                                                                            |                                     |   |

|                                                                                                     |                          |                          |                                 |              |           |
|-----------------------------------------------------------------------------------------------------|--------------------------|--------------------------|---------------------------------|--------------|-----------|
| Relinquished By:  | Date/Time<br>6/3/19 1640 | Shipping Method<br>FedEx | Number of Coolers Shipped:<br>1 | Received By: | Date/Time |
|-----------------------------------------------------------------------------------------------------|--------------------------|--------------------------|---------------------------------|--------------|-----------|

|          |              |                |                 |               |               |                                     |   |
|----------|--------------|----------------|-----------------|---------------|---------------|-------------------------------------|---|
| Group: A | Bottle Type: | P-1L           | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 0 |
|          | ALKALINITY   |                |                 |               |               |                                     |   |
|          | TURBIDITY    |                |                 |               |               |                                     |   |
|          | W-BR-IC      |                |                 |               |               |                                     |   |
|          | W-F          |                |                 |               |               |                                     |   |
|          | W-TSS        |                |                 |               |               |                                     |   |
| Group: A | Bottle Type: | BP-1L          | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 0 |
|          | CHLSUITE-W   |                |                 |               |               |                                     |   |
| Group: A | Bottle Type: | P-250ML-WI-THI | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 0 |
|          | NE-ALS-ENQ   |                |                 |               |               |                                     |   |
| Group: A | Bottle Type: | QPCR-P-500ML   | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 0 |
|          | PCR-HF183    |                |                 |               |               |                                     |   |
| Group: A | Bottle Type: | BG-500ML       | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 0 |
|          | W-E8321-DI   |                |                 |               |               |                                     |   |
|          | W-E8321-MS   |                |                 |               |               |                                     |   |
| Group: A | Bottle Type: | P-500ML        | # of Bottles: 1 | Preservative: | HNO3          | Enter Number of Bottles Sent to Lab | 0 |
|          | W-ICP        |                |                 |               |               |                                     |   |
|          | W-ICPMS      |                |                 |               |               |                                     |   |
| Group: A | Bottle Type: | P-500ML        | # of Bottles: 1 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 0 |
|          | W-NH3        |                |                 |               |               |                                     |   |
|          | W-NO2NO3     |                |                 |               |               |                                     |   |
|          | W-S-A-TP     |                |                 |               |               |                                     |   |
|          | W-TKN        |                |                 |               |               |                                     |   |
|          | W-TOC        |                |                 |               |               |                                     |   |
| Group: A | Bottle Type: | P-125ML        | # of Bottles: 1 | Preservative: | FILTER-ICE    | Enter Number of Bottles Sent to Lab | 0 |
|          | 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-BR-IC      |                |                 |               |               |                                     |   |
|          | W-F          |                |                 |               |               |                                     |   |
|          | W-TSS        |                |                 |               |               |                                     |   |

|          |                                                                    |                |                 |                             |                                     |   |
|----------|--------------------------------------------------------------------|----------------|-----------------|-----------------------------|-------------------------------------|---|
| Group: B | Bottle Type:<br>CHLSUITE-W                                         | BP-1L          | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 1 |
| Group: B | Bottle Type:<br>NE-ALS-ENQ                                         | P-250ML-WI-THI | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 0 |
| Group: B | Bottle Type:<br>W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC    | P-500ML        | # of Bottles: 1 | Preservative: ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 1 |
| Group: B | Bottle Type:<br>W-PO4-F                                            | P-125ML        | # of Bottles: 1 | Preservative: FILTER-ICE    | Enter Number of Bottles Sent to Lab | 1 |
| Group: C | Bottle Type:<br>ALKALINITY<br>TURBIDITY<br>W-BR-IC<br>W-F<br>W-TSS | P-1L           | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 0 |
| Group: C | Bottle Type:<br>CHLSUITE-W                                         | BP-1L          | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 0 |
| Group: C | Bottle Type:<br>NE-ALS-ENQ                                         | P-250ML-WI-THI | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 0 |
| Group: C | Bottle Type:<br>W-F-F<br>W-PO4-F                                   | P-125ML        | # of Bottles: 1 | Preservative: FILTER-ICE    | Enter Number of Bottles Sent to Lab | 0 |
| Group: C | Bottle Type:<br>W-ICP<br>W-ICPMS                                   | P-500ML        | # of Bottles: 1 | Preservative: HNO3          | Enter Number of Bottles Sent to Lab | 0 |
| Group: C | Bottle Type:<br>W-NH3<br>W-NO2NO3<br>W-S-A-TP                      | P-500ML        | # of Bottles: 1 | Preservative: ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 0 |