



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

June 2016

PAGE 1 OF 10

Data Qualified?

Yes / No

STORET Station Name: Stafford Creek 100 meters upstream of SR 69

Date: 06/30/2016

(mm/dd/yyyy)

STORET Station ID: G2WA0004

WBID: 723

Latitude: 30.4991

(Decimal Degrees)

County: Calhoun

RQ - 2016-06-27-40

ORG ID: 21FLWQA

Longitude: -85.0427

(Decimal Degrees)

Receiving Body of Water: Apalachicola River

Field ID: G2WA0004

## Sampling Team Members

Curtis Musson

Ben Ralys

| WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-----------------|-------------------|---------------|--------------|--------------------|
|                 | X                 | X             | X            | X                  |
|                 | X                 | X             | X            | X                  |
|                 |                   |               |              |                    |
|                 |                   |               |              |                    |

## Sampling Equipment

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

Equipment ID \_\_\_\_\_

## Collection Method

☒ Wading ☐ Via Boat  
☐ From Shore ☐ Canoe/Kayak  
☐ Other (note below) ☐ Electric Motor  
☐ Gasoline Motor

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

Matrix: Fresh / Marine / DI

Meter ID# Biology 2

Photos: Yes / No

Tide Falling: Yes / No / NA

| Time Zone  | Time         | Sample Depth (m) | Total Depth (m) | DO (mg/L)   | DO (%SAT)   | pH          | Salinity (ppt) | Secchi Disk (m) | Sp COND (µmhos/cm) | Temp. (C°)   |
|------------|--------------|------------------|-----------------|-------------|-------------|-------------|----------------|-----------------|--------------------|--------------|
| <u>EST</u> | <u>11:20</u> | <u>0.2</u>       | <u>0.4</u>      | <u>6.89</u> | <u>82.0</u> | <u>6.81</u> | <u>0.03</u>    | <u>VOB</u>      | <u>67</u>          | <u>24.10</u> |
| <u>CEN</u> |              |                  |                 |             |             |             |                |                 |                    |              |

Biological Samples Collected: None HA SCI LVS RPS LVI Other \_\_\_\_\_

| Parameter Suite             | Parameter Methods                                                                                                                                                                                                                                                                        | Preservation                                                                      | Acid 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 | SA 5259020 | 09/16/2016 | <input checked="" type="checkbox"/> <2 |
| Metals                      | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP                                                                                                                                                                                                                          | <input type="checkbox"/> Ice <input type="checkbox"/> HNO2                        |            |            | <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                                           |            |            |                                        |
| Chlorophyll                 | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                                                                                                           | <input checked="" type="checkbox"/> Ice                                           |            |            |                                        |
| Physical/Aggregate (Fresh)  | <input checked="" type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS                                                                                                                                                                          | <input checked="" type="checkbox"/> Ice                                           |            |            |                                        |
| Physical/Aggregate (Marine) | <input type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY                                                                                                                                                                                                                            | <input type="checkbox"/> Ice                                                      |            |            |                                        |
| Macroinvertebrates          | <input type="checkbox"/> MI-FW-QLDC                                                                                                                                                                                                                                                      | <input type="checkbox"/> Formalin                                                 |            |            |                                        |
| Microbiology                | <input type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Entero <input type="checkbox"/> QPCR                                                                                                                                                            | <input type="checkbox"/> Ice                                                      |            |            |                                        |
| Periphyton                  | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                                                                                                        | <input type="checkbox"/> Ice                                                      |            |            |                                        |
| Pesticides                  | <input checked="" type="checkbox"/> W-PSNP-TQ <input checked="" type="checkbox"/> W-AHERB-AA <input checked="" type="checkbox"/> W-PYR-AA-R<br><input checked="" type="checkbox"/> W-PC-AA-SF <input checked="" type="checkbox"/> W-UHERB-AA <input checked="" type="checkbox"/> W-GLYPH | <input checked="" type="checkbox"/> Ice <input type="checkbox"/> Other            |            |            |                                        |

Contains  
1:1  
Sulfuric Acid  
SA-5259020  
XP: 09/16/16  
Warning!

## Notes:



G2WA0004 30 June 2016

Stafford Creek 100 meters upstream of SR 69

Signature: Curtis Musson

Date: 6-30-2016

Field Parameters Entered into LIMS: CH 2-1-16

(Initials/Date)

Field Parameters QC in LIMS: \_\_\_\_\_

Date Migrated to STORET: \_\_\_\_\_

(Initials/Date)

Field Sheets Scanned/Saved: CH 2-1-16

(Initials/Date)

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

Boldly "X" this box if there is qualified data on this name.

Meter **Biology 2**

RQ- **2016-06-27-40**

Project **SMP-Pesticides**

- Notes:** (1) Numbers  $\leq 4$ , are rounded down; numbers  $\geq 5$  are rounded up (e.g., 5.15 becomes 5.2).  
 (2) Always wait for meter to stabilize before recording any readings.  
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site

**Temperature (Quarterly) FT 1400**

Date of Last Temperature Verification **06/03/2016**

| DO DEP SOP FT 1500 | Name          | Date    | Time CT-EP | Temp  | D.O. Chart mg/L/cm | Meter D.O. mg/L | % DO  | Probe Charge | Probe Gain | Pass / Fail | Lab / Field |
|--------------------|---------------|---------|------------|-------|--------------------|-----------------|-------|--------------|------------|-------------|-------------|
| Calibr.            | Curtis Mussen | 6/30/16 | 742        | 22.58 | 8.64               | 8.65            | 100.0 | 51.2         | -          | P           | L           |
| ICV                | Curtis Mussen | 6-30-16 | 752        | 22.60 | 8.64               | 8.64            | 100.0 | 51.2         | -          | P           | L           |
| CCV                | Curtis Mussen | 6/20/16 | 1458       | 24.9  | 8.279              | 8.41            | 101.6 | 51.2         | -          | P           | LAB         |
| CCV                |               |         |            |       |                    |                 |       |              |            |             |             |

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.

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; DO charge N/A.

**Steady-state & Galvanic Sensors:** DO Gain & Charge N/A.

| Spec. Cond. FT 1200 | Name          | Date    | Time CT-EP | Lot #   | Expir. Date | Standard $\mu$ mhos/cm | Meter Reading $\mu$ mhos/cm | Pass / Fail | Lab / Field |
|---------------------|---------------|---------|------------|---------|-------------|------------------------|-----------------------------|-------------|-------------|
| Calibr.             | Curtis Mussen | 6/30/16 | 755        | 160330D | 04/2017     | 1000                   | 1000                        | P           | L           |
| ICV                 | Curtis Mussen | 6-30-16 | 757        | 160330D | 04/2017     | 1000                   | 998                         | P           | L           |
| CCV                 | Curtis Mussen | 6-30-16 | 1500       | 2601533 | 12/2017     | 100                    | 99                          | P           | L           |
| CCV                 |               |         |            |         |             |                        |                             |             |             |

Report specific conductance as a whole number with no decimal figure.

Conductivity Acceptance criteria  $\pm 5\%$

| pH DEP SOP FT 1100 | Name          | Date    | Time CT-EP | Lot #   | Expir. Date | pH Buffer SU | Meter reading SU | mV     | Pass / Fail | Lab / Field |
|--------------------|---------------|---------|------------|---------|-------------|--------------|------------------|--------|-------------|-------------|
| Calibr.            | Curtis Mussen | 6/30/16 | 0759       | 160330B | 10/2017     | 7.0          | 7.00             | -180.1 | P           | L           |
| Calibr.            | Curtis Mussen | 6/30/16 | 801        | 160330A | 4/2017      | 4.01         | 4.01             | -160.9 | P           | L           |
| Calibr.            | Curtis Mussen | 6/30/16 | 0802       | 160330C | 10/2017     | 10.01        | 9.98             | -180.4 | P           | L           |
| ICV                | Curtis Mussen | 6/30/16 | 0804       | 160330C | 10/2017     | 10.01        | 9.98             | -180.4 | P           | L           |
| CCV                | Curtis Mussen | 6/30/16 | 1503       | 160330A | 04/2017     | 4.01         | 4.02             | -159.2 | P           | L           |
| CCV                |               |         |            |         |             |              |                  |        |             |             |

Report pH with one decimal place; pH Acceptance criteria  $\pm 0.2$  SU; mV pH7 Range  $0 \pm 50$ ;

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

mV pH 10 Range  $-180 \pm 50$ ; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

**Depth (Quarterly)**

Date of Last Depth Verification

| Depth Sensor (Daily) | Name | Date | Time CT-ET | Zero the Sensor | ICV Value | Pass / Fail | Lab / Field |
|----------------------|------|------|------------|-----------------|-----------|-------------|-------------|
| Pressure mode in air |      |      |            | 0.000           |           |             |             |

ICV acceptance criteria  $\pm 5\%$  or  $\pm 0.05$ m, whichever is greater

Request Number: RQ-2016-06-27-40

Central Drainage Ditch, Lake Talquin, Lake Tallavanna  
and Stafford CreekFlorida Department of Environmental Protection  
Central Laboratory Submittal Form

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last revised Apr 7, 2016

Customer: WQAP

Project ID: SMP

Requester: Benjamin Ralys

Collected By: Curtis Mussen / Ben Ralys

Field Report Prepared By: Curtis Mussen

Sampling Agency: FDEP

|                                                              |                                                                        |                                                                           |                                                                        |                                                                                 |                                                                            |                                  |
|--------------------------------------------------------------|------------------------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------|
| Location<br>Central Drainage Ditch downstream of Orange Ave. |                                                                        | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 6-30-2016 Time 8:30            | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date<br>Time                                              | Bottle<br>Group(s)<br>(See pg 2) |
| Field ID<br>GIWA0026-06302016                                |                                                                        | Matrix (type, e.g., Salt, Fresh/etc)<br>Fresh                             |                                                                        | Diss. Oxygen<br>5.9                                                             | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L) —  |
| STORET #<br>GIWA0026                                         |                                                                        | Temp<br>(C) 27.66                                                         | pH 7.46                                                                | Sample<br>Depth 0.3                                                             | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       | Sp. Conductance<br>(umho/cm) 123 |
| Latitude<br>30.4095                                          | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude<br>-84.3073                                                     | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms | Salinity<br>(ppt) 0.06                                                          | Comments                                                                   |                                  |
| Location<br>Soapstone Branch 100m upstream of SR375          |                                                                        | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 6-30-2016 Time 09:30           | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date<br>Time                                              | Bottle<br>Group(s)               |
| Field ID<br>G2WA0012-06302016                                |                                                                        | Matrix (type, e.g., Salt, Fresh/etc)<br>Fresh                             |                                                                        | Diss. Oxygen<br>3.54                                                            | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L) —  |
| STORET #<br>G2WA0012                                         |                                                                        | Temp<br>(C) 23.91                                                         | pH 5.99                                                                | Sample<br>Depth 0.3                                                             | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       | Sp. Conductance<br>(umho/cm) 46  |
| Latitude                                                     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms            | Longitude                                                                 | <input type="checkbox"/> dd<br><input type="checkbox"/> dms            | Salinity<br>(ppt) 0.02                                                          | Comments                                                                   |                                  |
| Location<br>Lake Talquin Middle                              |                                                                        | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 6-30-2016 Time 10:10           | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date<br>Time                                              | Bottle<br>Group(s)               |
| Field ID<br>GIWA0032-06302016                                |                                                                        | Matrix (type, e.g., Salt, Fresh/etc)<br>Fresh                             |                                                                        | Diss. Oxygen<br>6.03                                                            | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L) —  |
| STORET #<br>GIWA0032                                         |                                                                        | Temp<br>(C) 30.68                                                         | pH 7.17                                                                | Sample<br>Depth 0.3                                                             | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       | Sp. Conductance<br>(umho/cm) 85  |
| Latitude<br>30.44904                                         | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude<br>-84.52323                                                    | <input type="checkbox"/> dd<br><input type="checkbox"/> dms            | Salinity<br>(ppt) 0.04                                                          | Comments                                                                   |                                  |
| Location<br>Stafford Creek 100 Meters upstream               |                                                                        | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 6-30-2016 Time 11:20           | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date<br>Time                                              | Bottle<br>Group(s)               |
| Field ID<br>G2WA0004-06302016 OF SR69                        |                                                                        | Matrix (type, e.g., Salt, Fresh/etc)<br>Fresh                             |                                                                        | Diss. Oxygen<br>6.89                                                            | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L) —  |
| STORET #<br>G2WA0004                                         |                                                                        | Temp<br>(C) 24.10                                                         | pH 6.81                                                                | Sample<br>Depth 0.3                                                             | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       | Sp. Conductance<br>(umho/cm) 67  |
| Latitude<br>30.4991                                          | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude<br>-84.0427                                                     | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms | Salinity<br>(ppt) 0.03                                                          | Comments                                                                   |                                  |

|                                   |                              |                             |                                 |                             |                            |
|-----------------------------------|------------------------------|-----------------------------|---------------------------------|-----------------------------|----------------------------|
| Relinquished By:<br>Curtis Mussen | Date/Time<br>6/30/2016 14:40 | Shipping Method<br>Drop off | Number of Coolers Shipped:<br>4 | Received By:<br>[Signature] | Date/Time<br>6-30-16/14:40 |
|-----------------------------------|------------------------------|-----------------------------|---------------------------------|-----------------------------|----------------------------|

Request Number: RQ-2016-06-27-40

Central Drainage Ditch, Lake Talquin, Lake Tallavanna  
and Stafford CreekFlorida Department of Environmental Protection  
Central Laboratory Submittal Form

Page 1 of 2

last revised Apr 7, 2016

Customer: WQAP

Project ID: SMP

Requester: Benjamin Ralys

Collected By: Curtis Mussen / Ben Ralys

Field Report Prepared By: Curtis Mussen

Sampling Agency: FDEP

|                                  |                                                                        |                                                                           |                                                                        |                        |                                                                                 |                                  |  |                                                  |
|----------------------------------|------------------------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------|---------------------------------------------------------------------------------|----------------------------------|--|--------------------------------------------------|
| Location: Tallavanna Lake Middle |                                                                        | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 6-30-2016 Time 13:10           |                        | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date Time       |  | Bottle<br>Group(s)<br>(See pg 2)<br>A, B<br>C, D |
| Field ID: GIWA0045 - 06302016    |                                                                        | Matrix (type, e.g., Salt, Fresh, etc)<br>Fresh                            |                                                                        | Diss. Oxygen<br>7.17   | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat      | Total Res. Chlorine<br>(mg/L)    |  |                                                  |
| STORET #: GIWA0045               |                                                                        | Temp<br>(C) 30.71                                                         | pH 8.29                                                                | Sample<br>Depth 0.3    | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m            | Sp. Conductance<br>(umho/cm) 212 |  |                                                  |
| Latitude: 30.59862               | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude: -84.46593                                                      | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms | Salinity<br>(ppt) 0.10 | Comments                                                                        |                                  |  |                                                  |
| Location                         |                                                                        | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            | Collection (comp begin or grab)<br>Date Time                           |                        | <input type="checkbox"/> Eastern<br><input type="checkbox"/> Central            | Composite end<br>Date Time       |  | Bottle<br>Group(s)                               |
| Field ID                         |                                                                        | Matrix (type, e.g., Salt, Fresh, etc)                                     |                                                                        | Diss. Oxygen           | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat                 | Total Res. Chlorine<br>(mg/L)    |  |                                                  |
| 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                           |                        | <input type="checkbox"/> Eastern<br><input type="checkbox"/> Central            | Composite end<br>Date Time       |  | Bottle<br>Group(s)                               |
| Field ID                         |                                                                        | Matrix (type, e.g., Salt, Fresh, etc)                                     |                                                                        | Diss. Oxygen           | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat                 | Total Res. Chlorine<br>(mg/L)    |  |                                                  |
| 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                           |                        | <input type="checkbox"/> Eastern<br><input type="checkbox"/> Central            | Composite end<br>Date Time       |  | Bottle<br>Group(s)                               |
| Field ID                         |                                                                        | Matrix (type, e.g., Salt, Fresh, etc)                                     |                                                                        | Diss. Oxygen           | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat                 | Total Res. Chlorine<br>(mg/L)    |  |                                                  |
| 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: Curtis Mussen | Date/Time: 6/30/16/14:40 | Shipping Method: Drop off | Number of Coolers Shipped: 4 | Received By: [Signature] | Date/Time: 6-30-16/14:40 |
|--------------------------------|--------------------------|---------------------------|------------------------------|--------------------------|--------------------------|

|          |                                                                                    |         |                  |               |               |                                     |                    |
|----------|------------------------------------------------------------------------------------|---------|------------------|---------------|---------------|-------------------------------------|--------------------|
| Group: A | Bottle Type:                                                                       | PT-50ML | # of Bottles: 2  | Preservative: | ICE           | Enter Number of Bottles Sent to Lab |                    |
|          | ALGAL_ID                                                                           |         |                  |               |               |                                     |                    |
| Group: B | Bottle Type:                                                                       | P-1L    | # of Bottles: 4  | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 5                  |
|          | ALKALINITY<br>TURBIDITY<br>W-CL-IC<br>W-COLOR<br>W-F<br>W-SO4-IC<br>W-TDS<br>W-TSS |         |                  |               |               |                                     |                    |
| Group: B | Bottle Type:                                                                       | BP-1L   | # of Bottles: 4  | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 5                  |
|          | CHLSUITE-W                                                                         |         |                  |               |               |                                     |                    |
| Group: B | Bottle Type:                                                                       | P-500ML | # of Bottles: 4  | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 5                  |
|          | W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC                                    |         |                  |               |               |                                     |                    |
| Group: B | Bottle Type:                                                                       | P-125ML | # of Bottles: 4  | Preservative: | ICE-FLTR      | Enter Number of Bottles Sent to Lab | 5                  |
|          | W-PO4-F                                                                            |         |                  |               |               |                                     |                    |
| Group: C | Bottle Type:                                                                       | BG-1L   | # of Bottles: 4  | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 4                  |
|          | W-AHERB-AA<br>W-GLYPH<br>W-UHERB-AA                                                |         |                  |               |               |                                     |                    |
| Group: C | Bottle Type:                                                                       | BG-1L   | # of Bottles: 10 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 4 <sup>CM</sup> 10 |
|          | W-PC-AA-SF                                                                         |         |                  |               |               |                                     |                    |
| Group: C | Bottle Type:                                                                       | BG-1L   | # of Bottles: 10 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 10                 |
|          | W-PSNP-TQ                                                                          |         |                  |               |               |                                     |                    |
| Group: D | Bottle Type:                                                                       | BP-1L   | # of Bottles: 1  | Preservative: | Lugols        | Enter Number of Bottles Sent to Lab | 1                  |
|          | DTY-QN-C<br>PKD-QN-BV                                                              |         |                  |               |               |                                     |                    |

Date of Request: 13-JUN-2016  
 Created By: RALYS\_B On: 13-JUN-2016  
 Modified By: MATTHEWS\_D On: 14-JUN-2016  
 Customer: WQAP  
 Project: SMP  
 Division:  
 District:  
 Sampling Event: Central Drainage Ditch, Lake Talquin, Lake Tallavanna and Stafford Creek

**Send Coolers To:**

Phone: 850-245-8443  
 2600 Blair Stone Rd  
 MS #3560  
 Tallahassee, FL 32399-2400  
 Attn: Benjamin Ralys

Program Module Number:

Priority: 3  
 Event Status: S  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 14-JUN-2016  
 Biology Request Reviewed By: MATTHEWS\_D On: 14-JUN-2016  
 Sampling Kit Required: YES Ship on: 17-JUN-2016  
 Sampling Kit Shipped: YES On: 17-JUN-2016  
 Sampling Kit Packed By: REYNOLDS\_T  
 Preservatives Needed: NO  
 Date to Receive Samples: 30-JUN-2016  
 Received By:

**Send Final Report To:**

2600 Blair Stone Rd  
 MS #3560  
 Tallahassee, FL 32399-2400  
 Attn: Katrina Sanders

Report Type: Final Only  
 FTP Data: NO  
 QC Report: YES  
 Date Log: NO  
 Authorization Log: NO

Comments: Bottle Group A: Algal  
 Bottle Group B: Freshwater Chemistry no metals  
 Bottle Group C: Freshwater Pesticides  
 Bottle Group D: Phytoplankton

**Bottle Group A (Biological) With 2 Samples:**

Bottle Type: PT-50ML Number of Bottles: 2 Preserved With: ICE  
 ALGAL\_ID Template: DEFAULT (SOP-AB05) Qualitative assessment of algal taxa present without counts  
 \*Dominant sample taxon

**Bottle Group B (Water) With 4 Samples:**

Bottle Type: P-1L Number of Bottles: 4 Preserved With: ICE  
 ALKALINITY Template: DEFAULT (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO<sub>3</sub>/L  
 Total Alkalinity  
 TURBIDITY Template: DEFAULT (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices  
 Turbidity  
 W-CL-IC Template: DEFAULT (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices  
 Chloride  
 W-COLOR Template: DEFAULT (SM 2120 B) True Color measured at 450 nm  
 Color (true)  
 W-F Template: DEFAULT (SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)  
 Fluoride  
 W-SO4-IC Template: DEFAULT (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices  
 Sulfate  
 W-TDS Template: DEFAULT (SM 2540 C-97) Total Dissolved Solids in aqueous matrices  
 TDS  
 W-TSS Template: DEFAULT (SM 2540 D-97) Total Suspended Solids in aqueous matrices  
 TSS

Bottle Type: BP-1L Number of Bottles: 4 Preserved With: ICE  
 CHLSUITE-W Template: DEFAULT (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry  
 Chlorophyll/Phaeophytin Ratio

**Bottle Group C (Water) With 4 Samples:**

Bottle Type: BG-1L      Number of Bottles: 10      Preserved With: ICE  
 W-PC-AA-SF      Template:      (DEP SOP: GC-011-5 (based on EPA 608 and 617)) Organochlorine pesticides (low levels) in water matrices by GC/ECD.

Endosulfan Sulfate  
 Endrin  
 Endrin Aldehyde  
 Gamma-BHC  
 Heptachlor  
 Heptachlor Epoxide  
 Methoxychlor  
 Mirex  
 Permethrin  
 Trifluralin

Bottle Type: BG-1L      Number of Bottles: 10      Preserved With: ICE  
 W-PSNP-TQ      Template:      (EPA 8270D) Organonitrogen and phosphorus pesticides (ultra trace level) in water matrices by GC/MS/MS

Ametryn  
 Atrazine  
 Atrazine Desethyl  
 Chlorpyrifos Ethyl  
 Chlorpyrifos Methyl  
 Disulfoton  
 EPTC  
 Ethion  
 Ethoprop  
 Fipronil  
 Hexazinone  
 Malathion  
 Metribuzin  
 Mevinphos  
 Molinate  
 Norflurazon  
 Pendimethalin  
 Phorate  
 Prometryn  
 Simazine  
 Terbufos  
 Terbutylazine

**Bottle Group D (Water) With 1 Samples:**

Bottle Type: BP-1L      Number of Bottles: 1      Preserved With: Lugols  
 DTY-QN-C      Template: DEFAULT      (SOP-AB05\_1) No. of diatom taxa of quantitative phytoplankton sample.  
 \*Phytoplankton-Quantitative-#Diatom Taxa  
 PKD-QN-BV      Template: DEFAULT      (SOP-AB05) No. of wet taxa of quantitative phytoplankton sample w/speciation and cell counts.  
 \*Phytoplankton-Quant Biovolume-#Wet Taxa

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\* - The laboratory is not NELAP certified for this analyte/method, or certification is not applicable.

Cooler Packing Worksheet for Request: RQ-2016-06-27-40  
Central Drainage Ditch, Lake Talquin, Lake Tallavanna and Stafford Creek

Ship Cooler On: 6/13/2016  
Customer/Project: WQAP/SMP

Requester: Benjamin Ralys  
Priority: 3

850-245-8443  
2600 Blair Stone Rd  
MS #3560  
Tallahassee, FL 32399-2400  
Attn: Benjamin Ralys

Comments:

No preservatives needed.

Bottle Group A: Algal  
Bottle Group B: Freshwater Chemistry no metals  
Bottle Group C: Freshwater Pesticides  
Bottle Group D: Phytoplankton

**Requested Analyses:**

**Bottle Group: A**

**# of Sites: 2**

Container ID: PT-50ML

Qty: 2      Preservation: ICE

Lot # 03715003

Description: Plastic Tube 50 mL

**Analysis**

ALGAL\_ID

**Description**

Qualitative assessment of algal taxa present without counts

**Bottle Group: B**

**# of Sites: 4**

Container ID: P-1L

Qty: 4      Preservation: ICE

Lot # 00064935

Description: Plastic Bottle 1L

**Analysis**

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

W-SO4-IC

W-TDS

W-TSS

**Description**

Alkalinity in aqueous matrices as mg CaCO<sub>3</sub>/L

Turbidity in aqueous matrices

Chloride in aqueous matrices

True Color measured at 450 nm

Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Sulfate in aqueous matrices

Total Dissolved Solids in aqueous matrices

Total Suspended Solids in aqueous matrices

Container ID: BP-1L

Qty: 4 Preservation: ICE

Lot # 1168614

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry

Container ID: P-500ML

Qty: 4 Preservation: ICE And H2SO4

Lot # 00064521

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

Description

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 4 Preservation: ICE-FLTR

Lot # 00064848

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group: C

# of Sites: 4

Container ID: BG-1L

Qty: 4 Preservation: ICE

Lot # 00064266

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-AHERB-AA

W-GLYPH

W-UHERB-AA

Description

Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS

Glyphosate in water matrices by HPLC/MS/MS

Urea herbicides and other chemicals in water matrices by HPLC/MS/MS

Container ID: BG-1L

Qty: 10 Preservation: ICE

Lot # 00064266

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-PC-AA-SF

Description

Organochlorine pesticides (low levels) in water matrices by GC/ECD.

Container ID: BG-1L

Qty: 10 Preservation: ICE

Lot # 000672266

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-PSNP-TQ

Description

Organonitrogen and phosphorus pesticides (ultra trace level) in water matrices by GC/MS/MS

Bottle Group: D

# of Sites: 1

Container ID: BP-1L

Qty: 1 Preservation: Lugols

Lot # 1168614

Description: Brown Plastic Bottle 1L

Analysis

DTY-QN-C

PKD-QN-BV

Description

No. of diatom taxa of quantitative phytoplankton sample.

No. of wet taxa of quantitative phytoplankton sample w/speciation and cell counts.

Cooler Packed By: Tyler Reynolds

Date: 6/16/16

DEP Cooler ID #(s): 4 coolers

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle (1 per cooler)
- ☒ FedEx Bills, if applicable (1 per cooler)
- ☒ Plastic Bags
- ☒ Zip Ties

If Preservation Included:

|          |             |
|----------|-------------|
| ID _____ | Lot # _____ |
| ID _____ | Lot # _____ |
| ID _____ | Lot # _____ |
| ID _____ | Lot # _____ |
| ID _____ | Lot # _____ |

**PLEASE RETURN ALL COOLERS FOR RQ-2016-06-27-40**