

Central Drainage Ditch, Lake Talquin, Lake Tallavanna  
and Stafford Creek

## Central Laboratory Submittal Form

last revised Nov 10, 2015

Customer: WQAP

Requester: Benjamin Ralys

Field Report Prepared By: Ben Ralys

Project ID: SMP

Collected By: Ben Ralys, Will Lasley

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 4/7/16 Time 01:45 pm           | <input checked="" type="checkbox"/> Eastern<br>Central | Composite end<br>Date — Time 01:45 pm                                      | Bottle Group(s)<br>(See pg 2)<br>AB |
| Field ID<br>G1WA0026                                               |                                                                        | Matrix (type, e.g., Salt, Fresh, etc)<br>Fresh                            |                                                                        | Diss. Oxygen<br>8.05                                   | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L) —     |
| STORET #<br>G1WA0026                                               |                                                                        | Temp (C)<br>20.91                                                         | pH<br>7.3                                                              | Sample Depth<br>0.3                                    | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       | Sp. Conductance<br>(umho/cm) 203    |
| 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 (ppt)<br>0.10                                 | Comments                                                                   |                                     |
| Location<br><del>Stafford Creek 100 meters upstream of SR 69</del> |                                                                        | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 4/7/16 Time —                  | <input checked="" type="checkbox"/> Eastern<br>Central | Composite end<br>Date — Time —                                             | Bottle Group(s)                     |
| Field ID<br><del>G2WA0004</del>                                    |                                                                        | Matrix (type, e.g., Salt, Fresh, etc)<br><del>Fresh</del>                 |                                                                        | Diss. Oxygen<br><del>—</del>                           | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L) —     |
| STORET #<br><del>G2WA0004</del>                                    |                                                                        | Temp (C)<br><del>—</del>                                                  | pH<br><del>—</del>                                                     | Sample Depth<br><del>0.3</del>                         | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       | Sp. Conductance<br>(umho/cm) —      |
| Latitude<br><del>30.4991</del>                                     | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude<br><del>-85.0427</del>                                          | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms | Salinity (ppt)<br><del>—</del>                         | Comments                                                                   |                                     |
| Location<br>Tallavanna Lake Middle                                 |                                                                        | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 4/7/16 Time 12:15              | <input checked="" type="checkbox"/> Eastern<br>Central | Composite end<br>Date — Time 12:15                                         | Bottle Group(s)<br>ABC              |
| Field ID<br>G1WA0045                                               |                                                                        | Matrix (type, e.g., Salt, Fresh, etc)<br>Fresh                            |                                                                        | Diss. Oxygen<br>12.10                                  | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L) —     |
| STORET #<br>G1WA0045                                               |                                                                        | Temp (C)<br>21.78                                                         | pH<br>8.5                                                              | Sample Depth<br>0.3                                    | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       | Sp. Conductance<br>(umho/cm) 90     |
| Latitude<br>30.59862                                               | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude<br>-84.46593                                                    | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms | Salinity (ppt)<br>0.04                                 | Comments                                                                   |                                     |
| Location<br>Lake Talquin Middle                                    |                                                                        | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 4/7/16 Time 09:45              | <input checked="" type="checkbox"/> Eastern<br>Central | Composite end<br>Date — Time 09:45                                         | Bottle Group(s)<br>AB               |
| Field ID<br>G1WA0032                                               |                                                                        | Matrix (type, e.g., Salt, Fresh, etc)<br>Fresh                            |                                                                        | Diss. Oxygen<br>6.06                                   | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L) —     |
| STORET #<br>G1WA0032                                               |                                                                        | Temp (C)<br>18.92                                                         | pH<br>6.0                                                              | Sample Depth<br>0.3                                    | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       | Sp. Conductance<br>(umho/cm) 38     |
| Latitude<br>30.44904                                               | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude<br>-84.52323                                                    | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms | Salinity (ppt)<br>0.02                                 | Comments                                                                   |                                     |

|                  |           |                 |              |           |                  |           |              |               |
|------------------|-----------|-----------------|--------------|-----------|------------------|-----------|--------------|---------------|
| Relinquished By: | Date/Time | Shipping Method | Received By: | Date/Time | Relinquished By: | Date/Time | Received By: | Date/Time     |
| Ben Ralys        | 4/7/16    | hand delivered  |              |           |                  |           | MUB          | 4/7/16/2:23pm |

|          |              |         |                  |               |               |                                           |
|----------|--------------|---------|------------------|---------------|---------------|-------------------------------------------|
| Group: A | Bottle Type: | P-1L    | # of Bottles: 4  | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____ |
|          | ALKALINITY   |         |                  |               |               |                                           |
|          | TURBIDITY    |         |                  |               |               |                                           |
|          | W-CL-IC      |         |                  |               |               |                                           |
|          | W-COLOR      |         |                  |               |               |                                           |
|          | W-F          |         |                  |               |               |                                           |
|          | W-NO2        |         |                  |               |               |                                           |
|          | W-TDS        |         |                  |               |               |                                           |
|          | W-TSS        |         |                  |               |               |                                           |
| Group: A | Bottle Type: | P-1L    | # of Bottles: 4  | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____ |
|          | BOD-UNIN     |         |                  |               |               |                                           |
| Group: A | Bottle Type: | BP-1L   | # of Bottles: 4  | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____ |
|          | CHLSUITE-W   |         |                  |               |               |                                           |
| Group: A | Bottle Type: | P-500ML | # of Bottles: 4  | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab _____ |
|          | W-NH3        |         |                  |               |               |                                           |
|          | W-NO2NO3     |         |                  |               |               |                                           |
|          | W-S-A-TP     |         |                  |               |               |                                           |
|          | W-TKN        |         |                  |               |               |                                           |
|          | W-TOC        |         |                  |               |               |                                           |
| Group: A | Bottle Type: | P-125ML | # of Bottles: 4  | Preservative: | ICE-FLTR      | Enter Number of Bottles Sent to Lab _____ |
|          | W-PO4-F      |         |                  |               |               |                                           |
| Group: B | Bottle Type: | BG-1L   | # of Bottles: 4  | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____ |
|          | W-AHERB-AA   |         |                  |               |               |                                           |
|          | W-GLYPH      |         |                  |               |               |                                           |
|          | W-UHERB-AA   |         |                  |               |               |                                           |
| Group: B | Bottle Type: | BG-1L   | # of Bottles: 10 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____ |
|          | W-PC-AA-SF   |         |                  |               |               |                                           |
| Group: B | Bottle Type: | BG-1L   | # of Bottles: 10 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____ |
|          | W-PSNP-TQ    |         |                  |               |               |                                           |
| Group: B | Bottle Type: | BG-1L   | # of Bottles: 4  | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____ |
|          | W-PYR-AA-R   |         |                  |               |               |                                           |
| Group: C | Bottle Type: | BP-1L   | # of Bottles: 1  | Preservative: | Lugols        | Enter Number of Bottles Sent to Lab _____ |

Date of Request: 23-MAR-2016  
 Created By: RALYS\_B On: 23-MAR-2016  
 Modified By: WATTS\_J On: 31-MAR-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

**Send Final Report To:**

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

Program Module Number:  
 Priority: 3  
 Event Status: A  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 31-MAR-2016  
 Biology Request Reviewed By: WATTS\_J On: 31-MAR-2016  
 Sampling Kit Required: NO Ship on:  
 Sampling Kit Shipped: YES On: 28-MAR-2016  
 Sampling Kit Packed By: KITCHEN\_S  
 Preservatives Needed: NO  
 Date to Receive Samples: 07-APR-2016  
 Received By:

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

Comments: Bottle Group A = freshwater chemistry  
 Bottle Group B = pesticides  
 Bottle Group C = phytoplankton  
 Bottle Group D = 1 sample Pyraclostrobin

**Bottle Group A (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                                           |
| TURBIDITY                         | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                                 |
| W-CL-IC                           | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                                  |
| 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)               |
| W-TDS                             | Template: DEFAULT    | (SM 2540 C-97) Total Dissolved Solids in aqueous matrices                                                          |
| W-TSS                             | Template: DEFAULT    | (SM 2540 D-97) Total Suspended Solids in aqueous matrices                                                          |
| Bottle Type: P-1L                 | Number of Bottles: 4 | Preserved With: ICE                                                                                                |
| BOD-UNIN                          | Template: DEFAULT    | (SM 5210 B) BOD, NOT nitrogen-inhibited                                                                            |
| 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 |
| Bottle Type: P-500ML              | Number of Bottles: 4 | Preserved With: ICE And H <sub>2</sub> SO <sub>4</sub>                                                             |
| W-NH <sub>3</sub>                 | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                         |
| W-NO <sub>2</sub> NO <sub>3</sub> | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                                 |
| W-S-A-TP                          | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                                |
| W-TKN                             | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                                   |
| W-TOC                             | Template: DEFAULT    | (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices                                                     |
| Bottle Type: P-125ML              | Number of Bottles: 4 | Preserved With: ICE-FLTR                                                                                           |
| W-PO <sub>4</sub> -F              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                           |

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

|                    |                      |                                                                                        |
|--------------------|----------------------|----------------------------------------------------------------------------------------|
| Bottle Type: BG-1L | Number of Bottles: 4 | Preserved With: ICE                                                                    |
| W-AHERB-AA         | Template:            | (USGS O-2060-01) Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS |

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

|                    |                       |                                                                                                                    |
|--------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------|
| Bottle Type: BG-1L | Number of Bottles: 4  | Preserved With: ICE                                                                                                |
| W-GLYPH            | Template: DEFAULT     | (EPA 8321B) Glyphosate in water matrices by HPLC/MS/MS                                                             |
| W-UHERB-AA         | Template: DEFAULT     | (USGS O-2060-01) Urea herbicides and other chemicals in water matrices by HPLC/MS/MS                               |
| 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. |
| 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             |
| Bottle Type: BG-1L | Number of Bottles: 4  | Preserved With: ICE                                                                                                |
| W-PYR-AA-R         | Template: DEFAULT     | (EPA 8321B) Pyraclostrobin in water matrices by HPLC/MS/MS                                                         |

**Bottle Group C (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.                         |
| PKD-QN-BV          | Template: DEFAULT    | (SOP-AB05) No. of wet taxa of quantitative phytoplankton sample w/speciation and cell counts. |

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

|                    |                      |                                                            |
|--------------------|----------------------|------------------------------------------------------------|
| Bottle Type: BG-1L | Number of Bottles: 1 | Preserved With: ICE                                        |
| W-PYR-AA-R         | Template: DEFAULT    | (EPA 8321B) Pyraclostrobin in water matrices by HPLC/MS/MS |

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

# Log-in Checklist

RQ- 2016-04-04-81

Shipping Method: Hand-Delivery

Date/Time of Receipt: 4/7/16 2:23pm

| Cooler ID | Cooler Temperature* | No. Sample Containers in Cooler | Evidence Tape |  | *Intact? |    | Tracking # (fill out only if waybill copy is damaged) |
|-----------|---------------------|---------------------------------|---------------|--|----------|----|-------------------------------------------------------|
|           |                     |                                 | Present?      |  | Yes      | No |                                                       |
| Red       | 1.3                 | 11                              |               |  |          | ✓  |                                                       |
| Red       | 1.6                 | 10                              |               |  |          | ✓  |                                                       |
| Blue      | 2.5                 | 10                              |               |  |          | ✓  |                                                       |
|           |                     |                                 |               |  |          |    |                                                       |
|           |                     |                                 |               |  |          |    |                                                       |
|           |                     |                                 |               |  |          |    |                                                       |

\*If the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX), or if Evidence Seal is damaged, identify the containers in the affected cooler(s) on back of this form.

**\*\*Note:** If "No" is checked in any of the fields below, fill out the back of this form with additional details (Field ID, Test IDs, etc.) and generate an NCR.

\*\*Chain Of Custody/ Field Sheet(s) Included? Yes ✓ No       

## CONTAINER CHECK

\*\*Evidence Tape on Bottles? Yes        No ✓ If yes, is it intact? Yes        No       

\*\*Caps on tight? Yes ✓ No        \*\*Containers intact? Yes ✓ No       

\*\*Sufficient Sample Volume: Yes ✓ No       

## CHLORINE CHECK (Blue dot on container)

| Check the Box marked "Yes" or "No" for the Presence of Chlorine. If Cl detected, an NCR is required. |     |    |               |     |    |
|------------------------------------------------------------------------------------------------------|-----|----|---------------|-----|----|
| Analysis                                                                                             | Yes | No | Analysis      | Yes | No |
| W-1,4 DIOX                                                                                           |     |    | W-PC-AA-SF    |     | ✓  |
| W-AHERB-AA (-AHB-AA-R)                                                                               |     | ✓  | W-PCL-SQ (-R) |     |    |
| W-BNA (-625, -R)                                                                                     |     |    | W-PDQUAT      |     |    |
| W-CARB-AA (-CAB-AA-R)                                                                                |     |    | W-PESTNP-R    |     |    |
| W-ENDO-AA                                                                                            |     |    | W-PSCL-TQ     |     |    |
| W-GLYPH                                                                                              |     |    | W-PSNP-TQ     |     | ✓  |
| W-NP-AA-SF                                                                                           |     |    | W-PST-CL-R    |     |    |
| W-PAH (-R)                                                                                           |     |    | W-TR-TQ       |     |    |
| W-PCB-R                                                                                              |     |    |               |     |    |

## PRESERVATION CHECK (EXCLUDING SAMPLES SENT TO OVERFLOW LABS, "OV-")

\*\*Acid Preserved Samples: pH ≤ 2.0? Yes ✓ No        NA        Init: cu

\*\*W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes        No        NA ✓ Init: cu

Coolers Unpacked/Checked by: cu Date: 4/7/16 NCRs (Y/N)? N

Event ID: WQAP-2016-04-07-03 NCR #

## Log-in Checklist

### Samples with Incorrect pH Preservation or presence of Chlorine

| Field ID | Bottle Test ID(s) | pH / Cl | Action Taken |
|----------|-------------------|---------|--------------|
|          |                   |         |              |
|          |                   |         |              |
|          |                   |         |              |
|          |                   |         |              |

### Samples in Coolers with Incorrect Preservation or Damaged Evidence Tape

| Cooler ID | Field ID | Bottle Test ID(s) |
|-----------|----------|-------------------|
|           |          |                   |
|           |          |                   |
|           |          |                   |
|           |          |                   |
|           |          |                   |

### Bottles Not Intact

| Field ID | Bottle Test ID(s) | Loose Cap | Damaged Cap |    | Damaged Container |    | Evidence Tape Not Intact |
|----------|-------------------|-----------|-------------|----|-------------------|----|--------------------------|
|          |                   |           | CK          | BR | CK                | BR |                          |
|          |                   |           |             |    |                   |    |                          |
|          |                   |           |             |    |                   |    |                          |
|          |                   |           |             |    |                   |    |                          |

### Samples with Insufficient Volume for Analyses

| Field ID | Bottle Test ID(s) | Action Taken |
|----------|-------------------|--------------|
|          |                   |              |
|          |                   |              |
|          |                   |              |
|          |                   |              |

## ENCORE SAMPLES

S-VOC-MS samples in Encores must be frozen within 48 hours of collection.

Were Encore samples received? Yes \_\_\_\_\_ No ✓

Date and Time Placed in Freezer \_\_\_\_\_

Were all samples placed in freezer within 48 hours of collection? Yes \_\_\_\_\_ No \_\_\_\_\_

If no, were samples shipped on dry ice? Yes \_\_\_\_\_ No \_\_\_\_\_

#### FOR CLEAN LAB USE ONLY – Methyl Mercury Preservation Check:

Samples Preserved within 48 hours? Yes \_\_\_\_\_ No \_\_\_\_\_

Date and time samples preserved: \_\_\_\_\_

**Additional Comments:**