

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

Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: WQAP

Requester: Benjamin Ralys

Field Report Prepared By:

Curtis Mussen

Project ID: SMP

Collected By:

Curtis Mussen / Ben Ralys

Sampling Agency:

FDEP

Location Central Drainage Ditch downstream of Orange Ave.		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 6-30-2016 Time 8:30		☒ Eastern ☐ Central	Composite end Date Time		Bottle Group(s) (See pg 2)	
Field ID GIWA0026-06302016		Matrix (type, e.g., Salt, Fresh/etc) Fresh		Diss. Oxygen 5.9	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —		B, C	
STORET # GIWA0026		Temp (C) 27.66	pH 7.46	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 123			
Latitude 30.4095	☒ dd ☐ dms	Longitude -84.3073	☒ dd ☐ dms	Salinity (ppt) 0.06	Comments				
Location South Stone Branch 100m upstream of SR375		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 6-30-2016 Time 0930		☒ Eastern ☐ Central	Composite end Date Time		Bottle Group(s)	
Field ID G2WA0012-06302016		Matrix (type, e.g., Salt, Fresh/etc) Fresh		Diss. Oxygen 3.54	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —		B,	
STORET # G2WA0012		Temp (C) 23.91	pH 5.99	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 46			
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 0.02	Comments				
Location Lake Talquin Middle		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 6-30-2016 Time 10:10		☒ Eastern ☐ Central	Composite end Date Time		Bottle Group(s)	
Field ID GIWA0032-06302016		Matrix (type, e.g., Salt, Fresh/etc) Fresh		Diss. Oxygen 6.03	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —		B, C	
STORET # GIWA0032		Temp (C) 30.68	pH 7.17	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 85			
Latitude 30.44904	☒ dd ☐ dms	Longitude -84.52323	☐ dd ☐ dms	Salinity (ppt) 0.04	Comments				
Location Stafford Creek 100 Meters upstream		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 6-30-2016 Time 11:20		☒ Eastern ☐ Central	Composite end Date Time		Bottle Group(s)	
Field ID G2WA0004-06302016 OF SR69		Matrix (type, e.g., Salt, Fresh/etc) Fresh		Diss. Oxygen 6.89	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —		B, C	
STORET # G2WA0004		Temp (C) 24.10	pH 6.81	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 67			
Latitude 30.4991	☒ dd ☐ dms	Longitude -84.0427	☒ dd ☐ dms	Salinity (ppt) 0.03	Comments				

Relinquished By: Curtis Mussen	Date/Time 6/30/2016 14:40	Shipping Method Drop off	Number of Coolers Shipped: 4	Received By: ABD	Date/Time 6-30-16/14:40
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Group: A	Bottle Type: PT-50ML	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
ALGAL_ID					
Group: B	Bottle Type: P-1L	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab	5
ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS 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 W-NO2NO3 W-S-A-TP W-TKN 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 W-GLYPH W-UHERB-AA					
Group: C	Bottle Type: BG-1L	# of Bottles: 10	Preservative: ICE	Enter Number of Bottles Sent to Lab	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 PKD-QN-BV					

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and Stafford Creek

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Customer: WQAP

Requester: Benjamin Ralys

Field Report Prepared By:

Curtis Mussen

Project ID: SMP

Collected By:

Curtis Mussen / Ben Ralys

Sampling Agency:

FDEP

Location: Tallavanna Lake Middle		☐ Comp ☒ Grab	Collection (comp begin or grab) Date: 6-30-2016 Time: 13:10	☒ Eastern ☐ Central	Composite end Date: Time:	Bottle Group(s) (See pg 2)
Field ID: GIWA0045 - 06302016		Matrix (type, e.g., Salt, Fresh, etc): Fresh		Diss. Oxygen: 7.17	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
STORET #: GIWA0045		Temp (C): 30.71	pH: 8.29	Sample Depth: 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm): 212
Latitude: 30.59862	☒ dd ☐ dms	Longitude: -84.46593	☒ dd ☐ dms	Salinity (ppt): 0.10	Comments:	
Location:		☐ Comp ☐ Grab	Collection (comp begin or grab) Date: Time:	☐ Eastern ☐ Central	Composite end Date: Time:	Bottle Group(s)
Field ID:		Matrix (type, e.g., Salt, Fresh, etc):		Diss. Oxygen:	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
STORET #:		Temp (C):	pH:	Sample Depth:	☐ ft ☐ m	Sp. Conductance (umho/cm)
Latitude:	☐ dd ☐ dms	Longitude:	☐ dd ☐ dms	Salinity (ppt):	Comments:	
Location:		☐ Comp ☐ Grab	Collection (comp begin or grab) Date: Time:	☐ Eastern ☐ Central	Composite end Date: Time:	Bottle Group(s)
Field ID:		Matrix (type, e.g., Salt, Fresh, etc):		Diss. Oxygen:	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
STORET #:		Temp (C):	pH:	Sample Depth:	☐ ft ☐ m	Sp. Conductance (umho/cm)
Latitude:	☐ dd ☐ dms	Longitude:	☐ dd ☐ dms	Salinity (ppt):	Comments:	
Location:		☐ Comp ☐ Grab	Collection (comp begin or grab) Date: Time:	☐ Eastern ☐ Central	Composite end Date: Time:	Bottle Group(s)
Field ID:		Matrix (type, e.g., Salt, Fresh, etc):		Diss. Oxygen:	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
STORET #:		Temp (C):	pH:	Sample Depth:	☐ ft ☐ m	Sp. Conductance (umho/cm)
Latitude:	☐ dd ☐ dms	Longitude:	☐ dd ☐ dms	Salinity (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
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Group: A	Bottle Type:	PT-50ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	ALGAL_ID						
Group: B	Bottle Type:	P-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	5
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS 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 W-NO2NO3 W-S-A-TP W-TKN 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 W-GLYPH W-UHERB-AA						
Group: C	Bottle Type:	BG-1L	# of Bottles: 10	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4 ^{cm} 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 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:

Send Coolers To:

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

Sampling Event: Central Drainage Ditch, Lake Talquin, Lake Tallavanna and Stafford Creek

Send Final Report To:

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

Program Module Number:

Priority: 3
 Event Status: R
 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: SHAIK_A On: 30-JUN-2016

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

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 CaCO₃/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-SO₄-IC Template: DEFAULT (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
 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: 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 H₂SO₄
 W-NH₃ Template: DEFAULT (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
 W-NO₂NO₃ 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-PO₄-F Template: DEFAULT (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group C (Water) With 4 Samples:

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

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

Log-in Checklist

RQ- 2016-06-27-40

Shipping Method: H D

Date/Time of Receipt: 06-30-16 14:40

Cooler ID	Cooler Temperature*	No. Sample Containers in Cooler	Evidence Tape				Tracking # (fill out only if waybill copy is damaged)
			Present?		*Intact?		
			Yes	No	Yes	No	
Rep	1.1	9		/			
Rep	1.9C	15		/			
Rep	2.7C	10		/			
Rep	1.8C	13		/			

*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: ADP

**W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes ☐ No ☐ NA ☒ Init: ADP

Coolers Unpacked/Checked by: ADP Date: 6-30-16 NCRs (Y/N)? 11

Event ID: Central Drainage Ditch, Lake Talqu NCR # 11

WQAP-2016-06-30-06 (SMP)
Date Received: 30-JUN-2016 14:40

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 – Total Mercury Preservation Check (W-HG-AF; W-HG-AF-F):

Samples preserved within 48 hours? Yes_____ No_____

Date and time samples preserved: _____

Additional Comments: