

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: William Lasley

Project ID: SMP

Collected By: Will Lasley / Benjamin Ralys

Sampling Agency: FDEP-WQAP-WAS

Location Central Drainage Ditch downstream of Orange Ave.		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 8/11/16 Time 0826		☒ Eastern Central		Composite end Date - Time -		Bottle Group(s) (See pg 2)	
Field ID G1WA0026		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 6.13		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L) -		A/B	
STORET # G1WA0026		Temp (C) 26.5		pH 7.3		Sample Depth 0.3		☐ ft ☒ m		Sp. Conductance (umho/cm) 103	
Latitude 30.4095		☒ dd ☐ dms		Longitude -84.3073		☒ dd ☐ dms		Salinity (ppt) 0.05		Comments Very High Water Levels	
Location Megginis Arm Run at Meridian Woods		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 8/11/16 Time 0912		☒ Eastern Central		Composite end Date - Time -		Bottle Group(s)	
Field ID G1WA0009		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 6.54		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L) -		A	
STORET # G1WA0009		Temp (C) 24.2		pH 7.3		Sample Depth		☐ ft ☒ m		Sp. Conductance (umho/cm) 119	
Latitude 30.481		☒ dd ☐ dms		Longitude -84.2792		☒ dd ☐ dms		Salinity (ppt) 0.05		Comments	
Location Tallavanna Lake Middle		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 8/11/16 Time 1010		☒ Eastern Central		Composite end Date - Time -		Bottle Group(s)	
Field ID G1WA0045		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 6.73		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L) -		A/B/C	
STORET # G1WA0045		Temp (C) 29.5		pH 8.1		Sample Depth 0.3		☐ ft ☒ m		Sp. Conductance (umho/cm) 269	
Latitude 30.59862		☒ dd ☐ dms		Longitude -84.46593		☐ dd ☐ dms		Salinity (ppt) 0.13		Comments	
Location Stafford Creek 100 meters upstream of SR69		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 8/11/16 Time 1144		☒ Eastern Central		Composite end Date - Time -		Bottle Group(s)	
Field ID G2WA0004		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 6.67		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L) -		A/B/D	
STORET # G2WA0004		Temp (C) 24.9		pH 6.5		Sample Depth 0.2		☐ ft ☒ m		Sp. Conductance (umho/cm) 65	
Latitude 30.4991		☒ dd ☐ dms		Longitude -85.0426		☒ dd ☐ dms		Salinity (ppt) 0.03		Comments	

Relinquished By: Will Lasley	Date/Time 8/11/16	Shipping Method	Number of Coolers Shipped:	Received By: SK	Date/Time 8-11-16 / 2:28
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Group: A	Bottle Type:	P-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	ALKALINITY					
	TURBIDITY					
	W-CL-IC					
	W-COLOR					
	W-F					
	W-SO4-IC					
	W-TDS					
	W-TSS					
Group: A	Bottle Type:	BP-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	CHLSUITE-W					
Group: A	Bottle Type:	P-500ML	# of Bottles: 5	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: 5	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: C	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	Lugols	Enter Number of Bottles Sent to Lab _____
	DTY-QN-C					
	PKD-QN-BV					

Request Number: RQ-2016-08-08-39

Florida Department of Environmental Protection

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Page 1 of 2Central 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: William Lasty

Project ID: SMP

Collected By: Will Lasty / Benjamin Ralys

Sampling Agency: FDEP-WQAP-WTS

Location <u>Lake Talquin Middle</u>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>8/11/16</u> Time <u>1338</u>	☒ Eastern ☐ Central	Composite end Date <u>-</u> Time <u>-</u>	Bottle Group(s) (See pg 2)
Field ID <u>G1WA0032</u>		Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>5.05</u> ☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) <u>-</u>	<u>A1B</u>
STORET # <u>G1WA0032</u>		Temp (C) <u>29.3</u>	pH <u>7.0</u>	Sample Depth <u>0.3</u> ☐ ft ☒ m	Sp. Conductance (umho/cm) <u>92</u>	
Latitude <u>30.44904</u> ☒ dd ☐ dms	Longitude <u>-84.52323</u> ☒ dd ☐ dms	Salinity (ppt) <u>0.04</u>		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		
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: <u>Will Lasty</u>	Date/Time <u>8/11/16</u>	Shipping Method	Number of Coolers Shipped:	Received By: <u>SK</u>	Date/Time <u>8-11-16/2:28</u>
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Group: A	Bottle Type:	P-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	ALKALINITY					
	TURBIDITY					
	W-CL-IC					
	W-COLOR					
	W-F					
	W-SO4-IC					
	W-TDS					
	W-TSS					
Group: A	Bottle Type:	BP-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	CHLSUITE-W					
Group: A	Bottle Type:	P-500ML	# of Bottles: 5	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: 5	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: C	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	Lugols	Enter Number of Bottles Sent to Lab _____
	DTY-QN-C					
	PKD-QN-BV					

Date of Request: 21-JUL-2016
 Created By: RALYS_B On: 21-JUL-2016
 Modified By: MATTHEWS_D On: 25-JUL-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: 21-JUL-2016
 Biology Request Reviewed By: MATTHEWS_D On: 25-JUL-2016
 Sampling Kit Required: YES Ship on: 03-AUG-2016
 Sampling Kit Shipped: YES On: 03-AUG-2016
 Sampling Kit Packed By: SHAIK_A
 Preservatives Needed: NO
 Date to Receive Samples: 10-AUG-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: Freshwater Chemistry no metals
 Bottle Group B: Freshwater Pesticides
 Bottle Group C: Phytoplankton

Bottle Group A (Water) With 5 Samples:

Bottle Type: P-1L	Number of Bottles: 5	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO ₃ /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-SO ₄ -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: 5	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: 5	Preserved With: ICE And H ₂ SO ₄
W-NH ₃	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO ₂ NO ₃	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: 5	Preserved With: ICE-FLTR
W-PO ₄ -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
W-GLYPH	Template: DEFAULT	(EPA 8321B) Glyphosate 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-UHERB-AA	Template:	(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 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.

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

Log-in Checklist

RQ- 2016-08-08-39

Shipping Method: Hand Delivery

Date/Time of Receipt: 8/11/16 2:28pm

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	
Red	4.5	13			✓		
Red	2.4	10			✓		
Red	2.9	10			✓		
Red	3.3	9			✓		
Blue	0.7	4			✓		

*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:

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

Coolers Unpacked/Checked by: Date: 8/11/16

NCRs (Y/N)?

Event ID: WQAP-2016-08-11-04

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 – 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: