

East River, St. Marks River and Chicken Branch

Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: WQAP

Requester: Benjamin Ralys

Field Report Prepared By: Ben Ralys

Project ID: SMP

Collected By: Ben Ralys, Ray Stuart

Sampling Agency: FDEP

Location Chicken Branch at Old Plank Rd		☐ Comp ☒ Grab		Collection (comp begin or <u>grab</u>) Date 10/5/16 Time 8:40am		<u>Eastern</u> Composite end Date — Time —		Bottle Group(s) (See pg 2)	
Field ID GIWA0031-10052016		Matrix (type, e.g., Salt, <u>Fresh</u> , etc)		Diss. Oxygen 3.86		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L) —	
STORET # GIWA0031		Temp (C) 20.74		pH 7.5		Sample Depth 0.3		Sp. Conductance (umho/cm) 236	
Latitude 30.3261 ☒ dd ☐ dms		Longitude -84.1481 ☒ dd ☐ dms		Salinity (ppt) 0.12		Comments			
Location Moriah Creek 100 meters upstream of Newport Rd		☐ Comp ☒ Grab		Collection (comp begin or <u>grab</u>) Date 10/5/16 Time 9:18am		<u>Eastern</u> Composite end Date — Time —		Bottle Group(s)	
Field ID GIWA0057-10052016		Matrix (type, e.g., Salt, <u>Fresh</u> , etc)		Diss. Oxygen 7.50		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L) —	
STORET # GIWA0057		Temp (C) 21.64		pH 7.8		Sample Depth 0.35		Sp. Conductance (umho/cm) 375	
Latitude 30.1857 ☒ dd ☐ dms		Longitude -84.1929 ☒ dd ☐ dms		Salinity (ppt) 0.18		Comments 1 liter clear alkalinity/Turbidity bottle mistakenly had acid added, rinsed 3 times and filled			
Location St. Marks River at Channel Marker 60		☐ Comp ☒ Grab		Collection (comp begin or <u>grab</u>) Date 10/5/16 Time 10:15am		<u>Eastern</u> Composite end Date — Time —		Bottle Group(s)	
Field ID GIWA0055-10052016		Matrix (type, e.g., Salt, <u>Fresh</u> , etc)		Diss. Oxygen 7.62		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L) —	
STORET # GIWA0055		Temp (C) 22.45		pH 7.9		Sample Depth 0.3		Sp. Conductance (umho/cm) 490	
Latitude 30.1447 ☒ dd ☐ dms		Longitude -84.2088 ☒ dd ☐ dms		Salinity (ppt) 0.23		Comments			
Location St. Marks River at Channel Marker 22		☐ Comp ☒ Grab		Collection (comp begin or <u>grab</u>) Date 10/5/16 Time 10:45am		<u>Eastern</u> Composite end Date — Time —		Bottle Group(s)	
Field ID GIWA0008-10052016		Matrix (type, e.g., Salt, <u>Fresh</u> , etc)		Diss. Oxygen 9.50		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L) —	
STORET # GIWA0008		Temp (C) 24.52		pH 7.8		Sample Depth 0.3		Sp. Conductance (umho/cm) 12650	
Latitude 30.0929 ☒ dd ☐ dms		Longitude -84.1939 ☒ dd ☐ dms		Salinity (ppt) 7.25		Comments			

Relinquished By: [Signature]	Date/Time 10/5/16 2:09pm	Shipping Method Hand Delivered	Number of Coolers Shipped:	Received By: [Signature]	Date/Time 10-5-16/14:09
-------------------------------------	------------------------------------	--	----------------------------	---------------------------------	-----------------------------------

Group: A	Bottle Type:	P-1L	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab	4
	ALKALINITY TURBIDITY W-F W-TSS					
Group: A	Bottle Type:	BP-1L	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab	4
	CHLSUITE-W					
Group: A	Bottle Type:	P-500ML	# of Bottles: 4	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	4
	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	4
	W-PO4-F					
Group: B	Bottle Type:	P-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS					
Group: B	Bottle Type:	BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
	CHLSUITE-W					
Group: B	Bottle Type:	P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC					
Group: B	Bottle Type:	P-125ML	# of Bottles: 1	Preservative: ICE-FLTR	Enter Number of Bottles Sent to Lab	2

Group: B Bottle Type: P-125ML # of Bottles: 1 Preservative: ICE-FLTR Enter Number of Bottles Sent to Lab

2

W-PO4-F

East River, St. Marks River and Chicken Branch

Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: WQAP

Requester: Benjamin Ralys

Field Report Prepared By: Ben Ralys

Project ID: SMP

Collected By: Ben Ralys Ray Stuart

Sampling Agency: FDEP

Location Mouth of East River		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 10/5/16 Time 11:10am		☒ Eastern ☐ Central		Composite end Date - Time -		Bottle Group(s) (See pg 2)	
Field ID GIWA0011-10052016		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 9.80		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)			
STORET # GIWA0011		Temp (C) 25.52		pH 7.9		Sample Depth 0.3		☐ ft ☒ m		Sp. Conductance (umho/cm) 27373	
Latitude 30.0893		☒ dd ☐ dms		Longitude -84.1774		☒ dd ☐ dms		Salinity (ppt) 16.77		Comments	
Location East River Downstream of Bagg Bayou		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 10/5/16 Time 11:30am		☒ Eastern ☐ Central		Composite end Date - Time -		Bottle Group(s)	
Field ID GIWA0056-10052016		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 9.30		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)			
STORET # GIWA0056		Temp (C) 25.04		pH 7.7		Sample Depth 0.3		☐ ft ☒ m		Sp. Conductance (umho/cm) 21127	
Latitude 30.0972		☒ dd ☐ dms		Longitude -84.1752		☒ dd ☐ dms		Salinity (ppt) 12.64		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: [Signature]	Date/Time: 10/5/16 2:09pm	Shipping Method: Hand Delivered	Number of Coolers Shipped: 1	Received By: [Signature]	Date/Time: 10-5-16 14:09
-------------------------------------	----------------------------------	--	-------------------------------------	---------------------------------	---------------------------------

Group: A	Bottle Type:	P-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>4</u>
	ALKALINITY TURBIDITY W-F W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>4</u>
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 4	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	<u>4</u>
	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	<u>4</u>
	W-PO4-F						
Group: B	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>4</u>
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS						
Group: B	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>2</u>
	CHLSUITE-W						
Group: B	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	<u>2</u>
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC						
Group: B	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	<u>2</u>

Group: B

Bottle Type:

P-125ML

of Bottles: 1

Preservative:

ICE-FLTR

Enter Number of Bottles Sent to Lab

2

W-PO4-F

Date of Request: 19-SEP-2016
 Created By: RALYS_B On: 19-SEP-2016
 Modified By: MATTHEWS_D On: 21-SEP-2016
 Customer: WQAP
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District:
 Sampling Event: East River, St. Marks River and Chicken Branch

Send Coolers To:

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

Program Module Number:
 Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 19-SEP-2016
 Biology Request Reviewed By: MATTHEWS_D On: 21-SEP-2016
 Sampling Kit Required: YES Ship on: 29-SEP-2016
 Sampling Kit Shipped: YES On: 29-SEP-2016
 Sampling Kit Packed By: LASHLEY_C
 Preservatives Needed: NO
 Date to Receive Samples: 05-OCT-2016
 Received By:

Send Final Report To:

2600 Blair Stone Rd
 MS #3560
 Tallahassee, FL 32399-2400
 Attn: Ben Ralys

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

Comments: Bottle Group A: Saltwater chemistry suite
 Bottle Group B: Freshwater chemistry suite

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 CaCO3/L
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-F	Template: DEFAULT	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
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 B (Water) With 1 Samples:

Bottle Type: P-1L	Number of Bottles: 1	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

Bottle Group B (Water) With 1 Samples:

Bottle Type: P-1L	Number of Bottles: 1	Preserved With: ICE
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices
Bottle Type: BP-1L	Number of Bottles: 1	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: 1	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: 1	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

RQ- 2016-10-03-48

Log-in Checklist

Shipping Method: H DDate/Time of Receipt: 10-5-16 / 14:09

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
<u>Red</u>	<u>1.1C</u>	<u>12</u>		<u>/</u>		
<u>Red</u>	<u>2.9C</u>	<u>12</u>		<u>/</u>		

*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: [Signature]

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

Coolers Unpacked/Checked by: [Signature] Date: 10-5-16 NCRs (Y/N)?

Event ID: East River, St. Marks River and
WQAP-2016-10-05-01 (SMP) NCR #

Date Received: 05-OCT-2016 14:09

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: