

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Number: RQ-2017-04-24-13

Requester: Curtis Musson

Page 1 of 4
 Field Report Prepared By: Robert Wini
 Sampling Agency: **FDEP**

Collected By: Robert Wini, Ben Ralys

WQ-ASSESS
SMP

Field ID →
 Stone Mill Creek
 Upstream of
 Dianna St
 May 3, 2017



G2WA0012_05032017

STORET ↓



G2WA0012

☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>5/3/17</u> Time <u>9:40</u>	<u>Eastern</u> Central	Collection (comp begin or grab) Date <u> </u> Time <u> </u>	Bottle Group(s) <u>A, B</u>
Matrix (Salt, Fresh) <u>Fresh</u>	Diss. Oxygen (mg/L) <u>7.22</u>			
Temp (C) <u>19.38</u>	pH <u>6.62</u>	Sample Depts (m) <u>0.3</u>	Sp. Conductance (umho/cm) <u>79</u>	
Salinity (ppt) <u>0.04</u>	Comments			
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)		

Field ID →
 Stone Mill Creek
 Upstream of
 Road 5
 May 3, 2017



G2WA0013_05032017

STORET ↓



G2WA0013

☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>5/3/17</u> Time <u>10:00</u>	<u>Eastern</u> Central	Collection (comp begin or grab) Date <u> </u> Time <u> </u>	Bottle Group(s) <u>A</u>
Matrix (Salt, Fresh) <u>Fresh</u>	Diss. Oxygen (mg/L) <u>7.79</u>			
Temp (C) <u>18.84</u>	pH <u>5.78</u>	Sample Depts (m) <u>0.3</u>	Sp. Conductance (umho/cm) <u>59</u>	
Salinity (ppt) <u>0.03</u>	Comments			
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)		

Field ID →
 Big Branch
 at Stone Mill
 Confluence
 May 3, 2017



G2WA0011_05032017

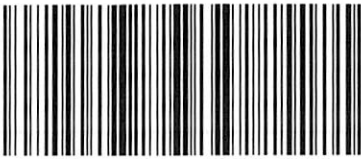
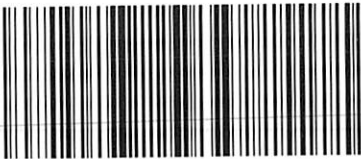
STORET ↓



G2WA0011

☐ Comp ☐ Grab	Collection (comp begin or grab) Date <u> </u> Time <u> </u>	<u>Eastern</u> Central	Collection (comp begin or grab) Date <u> </u> Time <u> </u>	Bottle Group(s) <u> </u>
Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)			
Temp (C)	pH	Sample Depts (m)	Sp. Conductance (umho/cm)	
Salinity (ppt)	Comments			
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)		

Relinquished By: <u>[Signature]</u>	Date/Time <u>5/3/17 15:20</u>	Number of Coolers <u>4</u>	Received By: <u>[Signature]</u>	Date/Time <u>5-3-17/3:21</u>
-------------------------------------	----------------------------------	-------------------------------	---------------------------------	---------------------------------

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION Central Lab Sample Submittal Form												
Request Number: RQ-2017-04-24-13		Requester: Curtis Musson			Field Report Prepared By: <u>Robert Wini</u> Page <u>2</u> of <u>4</u>							
SMP		Collected By: <u>Robert Wini, Ben Palys</u>			Sampling Agency: FDEP							
Project ID: SMP												
Loc Field ID → Coon Creek 100 meters upstream of CR 69 Fiel May 3, 2017 S Coon Creek 100 meters upstream of CR 69 ST Coon Creek 100 meters upstream of CR 69	 G2WA0005_05032017  G2WA0005		☐ Comp ☒ Grab		Collection (comp begin or grab) Date <u>5/3/17</u> Time <u>11:20</u>		☒ Eastern ☐ Central		Collection (comp begin or grab) Date _____ Time _____			
			Matrix (Salt, Fresh) <u>Fresh</u>		Diss. Oxygen (mg/L) <u>6.65</u>							
			Temp (C) <u>19.05</u>		pH <u>5.18</u>		Sample Depts (m) <u>0.1</u>		Sp. Conductance (umho/cm) <u>43</u>			
			Salinity (ppt) <u>0.02</u>		Comments							
			Latitude (Decimal Degrees) <u>30.3929</u>				Longitude (Decimal Degrees) <u>-85.0625</u>					
											A, B	
Loc Field ID → Stafford Creek 100 meters upstream of SR 69 F May 3, 2017 ST Stafford Creek 100 meters upstream of SR 69	 G2WA0004_05032017  G2WA0004		☐ Comp ☒ Grab		Collection (comp begin or grab) Date <u>5/3/17</u> Time <u>12:25</u>		☒ Eastern ☐ Central		Collection (comp begin or grab) Date _____ Time _____			
			Matrix (Salt, Fresh) <u>Fresh</u>		Diss. Oxygen (mg/L) <u>7.69</u>							
			Temp (C) <u>20.45</u>		pH <u>5.12</u>		Sample Depts (m) <u>0.1</u>		Sp. Conductance (umho/cm) <u>82</u>			
			Salinity (ppt) <u>0.04</u>		Comments							
			Latitude (Decimal Degrees) <u>30.4991</u>				Longitude (Decimal Degrees) <u>-85.0427</u>					
											A, B, C, D, E	
Loc Field ID → Big Branch 50 meters upstream of CR 67 Fiel May 3, 2017 ST Big Branch 50 meters upstream of CR 67	 G1WA0001_05032017  G1WA0001		☐ Comp ☒ Grab		Collection (comp begin or grab) Date <u>5/3/17</u> Time <u>13:55</u>		☒ Eastern ☐ Central		Collection (comp begin or grab) Date _____ Time _____			
			Matrix (Salt, Fresh) <u>Fresh</u>		Diss. Oxygen (mg/L) <u>8.33</u>							
			Temp (C) <u>18.87</u>		pH <u>4.46</u>		Sample Depts (m) <u>0.05</u>		Sp. Conductance (umho/cm) <u>55</u>			
			Salinity (ppt) <u>0.02</u>		Comments							
			Latitude (Decimal Degrees) <u>30.3110</u>				Longitude (Decimal Degrees) <u>-84.7651</u>					
											A, B, C, D	
Relinquished By: <u>[Signature]</u>		Date/Time: <u>5/3/17 15:20</u>		Number of Coolers: <u>4</u>		Received By: <u>SR</u>		Date/Time: <u>4-3-17/3:21</u>				

Group: A	Bottle Type:	P-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab	5 5
	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	5 5
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 5	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	5 5
	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	5 5 5
	W-PO4-F						
Group: B	Bottle Type:	P-250ML-WO-THI	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab	5 5 4
	ECOLI-18QT						
Group: C	Bottle Type:	BG-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab	5
	W-AHERB-AA W-SUC-AA-R W-UHERB-AA						
Group: D	Bottle Type:	QPCR-P-250ML	# of Bottles: 10	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	PCR-FILTER						
Group: E	Bottle Type:	BG-500ML	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	W-CT-CI-R W-PCL-SQ-R						
Group: E	Bottle Type:	BG-40ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	W-GLYPH						

Group: E	Bottle Type:	BG-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>4</u>
W-PSNP-TQ							
Group: E	Bottle Type:	BG-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>1</u>
W-PYR-AA-R							
Group: F	Bottle Type:	PJ-2L	# of Bottles: 2	Preservative:	Formalin	Enter Number of Bottles Sent to Lab	<u>0</u>
MI-FW-QLDC							

Date of Request: 20-MAR-2017
 Created By: MUSSON_C On: 20-MAR-2017
 Modified By: MATTHEWS_D On: 03-APR-2017
 Customer: WQ-ASSESS
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District:
 Sampling Event: Big Branch, Coon, Stafford

Send Coolers To:

Phone: 850-245-8453
 Division Of Water Facilities, FL DEP
 2600 Blair Stone Rd.
 Tallahassee, FL 32399-2400
 Attn: curtis musson

Program Module Number:
 Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 03-APR-2017
 Biology Request Reviewed By: MATTHEWS_D On: 03-APR-2017
 Sampling Kit Required: YES Ship on: 20-APR-2017
 Sampling Kit Shipped: YES On: 20-APR-2017
 Sampling Kit Packed By: REAVES_S
 Preservatives Needed: NO
 Date to Receive Samples: 26-APR-2017
 Received By:

Send Final Report To:

Division Of Water Facilities, FL DEP
 2600 Blair Stone Rd.
 Tallahassee, FL 32399-2400
 Attn: curtis musson

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

Comments: Group A: Freshwater Nutrient Kit
 Group B: E. coli
 Group C: Organics (Wastewater Tracers)
 Group D: PCR
 Group E: Organics (Pesticides)
 Group F: SCI

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-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: 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 5 Samples:

Bottle Type: Number of Bottles: 5 Preserved With: ICE

Bottle Group B (Water) With 5 Samples:

Bottle Type:	Number of Bottles: 5	Preserved With: ICE
ECOLI-18QT	Template: DEFAULT	(SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Bottle Group C (Water) With 5 Samples:

Bottle Type: BG-1L	Number of Bottles: 5	Preserved With: ICE
W-AHERB-AA	Template:	(USGS O-2060-01) Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS
W-SUC-AA-R	Template: DEFAULT	(EPA 8321B) Analysis of sucralose 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 Group D (Water) With 5 Samples:

Bottle Type: QPCR-P-250ML	Number of Bottles: 10	Preserved With: ICE
PCR-FILTER	Template: DEFAULT	(SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis

Bottle Group E (Water) With 1 Samples:

Bottle Type: BG-1L	Number of Bottles: 4	Preserved With: ICE
W-PSNP-TQ	Template: DEFAULT	(EPA 8270D) Organonitrogen and phosphorus pesticides (ultra trace level) in water matrices by GC/MS/MS
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
Bottle Type: BG-500ML	Number of Bottles: 4	Preserved With: ICE
W-CT-CI-R	Template: DEFAULT	(EPA 8276) Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization
W-PCL-SQ-R	Template: DEFAULT	(EPA 8270D) Organochlorine pesticides in water matrices by GC/MS-SIM
Bottle Type: BG-40ML	Number of Bottles: 1	Preserved With: ICE
W-GLYPH	Template: DEFAULT	(EPA 8321B) Glyphosate in water matrices by HPLC/MS/MS

Bottle Group F (Biological) With 1 Samples:

Bottle Type: PJ-2L	Number of Bottles: 2	Preserved With: Formalin
MI-FW-QLDC	Template: DEFAULT	(SOP-IZ06) No. Taxa of FW macroinverts, qual samp, 20 dipnets.

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

Log-in Checklist

RQ- 2017-04-24-13

Shipping Method: HD

Date/Time of Receipt: 05/03/17 3:21 pm

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	1.5°C	10		✓			
Red	1.9°C	8		✓			
Red	0.4	14		6			
Red	1.6	11		✓			

*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			W-CT-CI-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: 05/03/17

NCRs (Y/N)? N

Event ID: WQ-ASSESS-2017-05-03-01

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 6

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: