



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

March 2017

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Data Qualified?

Yes / No

Location/STORET Station Name: Stafford Creek 100 meters upstream of SR 69

Date: 06/13/2017

(mm/dd/yyyy)

STORET # G2WA0004

WBID: 723

Latitude: 30.4991

(Decimal Degrees)

County: Calhoun

RQ - 2017-06-05-46

ORG ID: 21FLWQA

Longitude: -85.0427

(Decimal Degrees)

Receiving Body of Water: Apalachicola River

Field ID: G2WA0004 06072017

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment		
Ben Ralys					☒	☒	☒	☒	☒	☒ Sample Container	☐ Van Dorn	☐ Pole
Diana Turner					☒	☒	☒	☒	☒	☐ Carboy	☐ Syringe	
					☒	☒	☒	☒	☒	☐ Dipper	☐ Other	
										Equipment ID		
										Collection Method		
										☒ Wading	Via Boat	
										☐ From Shore	☐ Canoe/Kayak	
										☐ Other (note below)	☐ Electric Motor	
											☐ Gasoline Motor	

Water Level: Dry / Pooled / Low / Normal / High / Flooded										Matrix: Fresh / Marine / DI	
Meter ID# Biology 2				Photos: Yes / No				Tide Falling: Yes / No / NA			
Time Zone	Time	Sample Depth (m)	Total Depth (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (ppt)	Secchi Disk (m)	Sp COND (µmhos/cm)	Temp. (C°)	
EST	11:25 AM	0.3	0.4	6.50	75.1	6.71	0.03	VOB	75	22.94	
CEN											

Biological Samples Collected: None HA SCI RPS Algae ID LVS LVI Other									
SBIO ID Numbers:		SBIO-ID:		RPS-ID:		Macrophyte-ID:		LIMS#:	

Parameter Suite	Parameter Methods	Preservation	Acid Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☒ H2SO4	7093010	4/3/18	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO3	6253010	9/9/17	☒ <2
Filtered Nutrients	☒ W-P04-F ☒ Field Filtered 0.45 µm Filter	☒ Ice			
Chlorophyll	☒ CHLSUITE-W	☒ Ice			
Physical/Aggregate (Fresh)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	☒ Ice			
Physical/Aggregate (Marine)	☐ Alkalinity / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates	☐ MI-FW-QLDC	☐ Formalin			
Periphyton	☐ ALGAE-ID	☐ Ice			
Microbiology	☒ E Coli ☐ F Coli ☐ Enterococci ☒ qPCR	☒ Ice			
Tracers	☐ W-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA	☐ Ice			
Pesticides	☒ W-PSNP-TQ ☒ W-AHERB-AA ☒ W-PYR-AA-R ☒ W-PCL-SQ-R ☒ W-UHERB-AA ☒ W-GLYPH ☒ W-SUC-AA-R	☒ Ice ☐ Other			

Contains 1:1 Sulfuric Acid SA-7093010 EXP: 04/03/18 Warning! See SDS

Contains 1:1 Nitric Acid NA-6253010 EXP: 08/09/17 Warning!

Notes:		STORET ↓		Field ID →	
1-Kit C FW Bact Pest		Stafford Creek 100 meters upstream of SR 69		Stafford Creek 100 meter; upstream of SR 69	
		G2WA0004		G2WA0004_06132017	
Signature:		Date: 6/13/17			

Field Parameters Entered into LIMS: DT 6/15/17		Field Parameters QC in LIMS:	
(Initials/Date)		(Initials/Date)	
Date Migrated to STORET:		Field Sheets Scanned/Saved: DT 6/15/17	
(Initials/Date)		(Initials/Date)	

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there is qualified data on this page.

Meter Biology #2

RQ- 2017-06-05-46

Project SMP

- Notes: (1) Numbers ≤ 4 , are rounded down; numbers ≥ 5 are rounded up (e.g., 5.15 becomes 5.2).
 (2) Always wait for meter to stabilize before recording any readings.
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site _____

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 09/23/2016

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Ben Rabys	6/13/17	7:50	22.39	8.69	8.68	100.0	51.2	-	P	L
ICV	Ben Rabys	6/13/17	7:51	22.37	8.69	8.67	99.9	51.2	-	P	L
CCV	Curtis Mussen	6-14-17	7:10	22.09	8.72	8.72	CM				
CCV	Curtis Mussen	6-14-17	7:17	22.31	8.693	7.90	90.9	48	-	Fail	LAM *

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.

DO Acceptance criteria from Table ± 0.3 mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Ben Rabys	6/13/17	7:53	161111D	11/2017	1,000	1,000	P	L
ICV	Ben Rabys	6/13/17	7:55	161111D	11/2017	1,000	1,000	P	L
CCV	Curtis Mussen	6-14-17	7:13	170310E	3/2018	100	101	P	L
CCV									

Report specific conductance as a whole number with no decimal figure.

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Ben Rabys	6/13/17	7:57	170310B	9/2018	7.0	7.00	8.4	P	L
Calibr.	Ben Rabys	6/13/17	7:59	170310A	3/2018	4.01	4.00	180.5	P	L
Calibr.	Ben Rabys	6/13/17	8:02	161111C	5/2018	10.0	9.98	-157.1	P	L
ICV	Ben Rabys	6/13/17	8:03	161111C	5/2018	10.0	9.96	-149.8	P	L
CCV	Curtis Mussen	6-14-17	7:15	170310A	3/2018	4.01	4.48	165	Fail	L *
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU;

mV pH7 Range 0 ± 50 ;

mV pH 4 Range $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ;

Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Depth (Quarterly)

Date of Last Depth Verification _____

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air				0.000			

ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Request Number: 2017-06-05-46
 Big Branch, Stafford, Coon, Stone Mill
 Customer: WQ-ASSESS
 Project ID: SMP

Requester: Curtis Musson

Collected By: Ben Kelly, Diana Turner

Page 2 of 32
 Field Report Prepared By: Diana Turner
 Sampling Agency: FDEP

STAFFORD CREEK 100 meters upstream of SR 69


Field ID: Stafford Creek 100 meters upstream of SR 69


Big Branch 50 meters upstream of CR 37


Field ID: Big Branch 50 meters upstream of CR 37


Soapstone Branch 100 meters upstream of SR 375


Field ID: Soapstone Branch 100 meters upstream of SR 375


☐ Comp	Collection (comp begin or grab)	☒ Grab	Date 6/13/17	Time 11:25 AM	☒ Eastern	Collection (comp begin or grab)	Date	Time
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Matrix (Salt, Fresh)	Dis. Oxygen (mg/L)	pH	Sample Depts (m)	Sp. Conductance (umho/cm)
	6.50	6.71	0.3	75

Temp (C)	Salinity (ppt)	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)
22.94		30.4991	-85.4127

☐ Comp	Collection (comp begin or grab)	☒ Grab	Date 6/13/17	Time 12:50 PM	☒ Eastern	Collection (comp begin or grab)	Date	Time
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Matrix (Salt, Fresh)	Dis. Oxygen (mg/L)	pH	Sample Depts (m)	Sp. Conductance (umho/cm)
	7.14	4.35	0.3	48

Temp (C)	Salinity (ppt)	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)
22.65		30.3110	-84.7651

☐ Comp	Collection (comp begin or grab)	☒ Grab	Date 6/13/17	Time 1:30 PM	☒ Eastern	Collection (comp begin or grab)	Date	Time
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Matrix (Salt, Fresh)	Dis. Oxygen (mg/L)	pH	Sample Depts (m)	Sp. Conductance (umho/cm)
	7.14	4.35	0.3	48

Relinquished By: Diana Turner	Date/Time 6/13/17 2:26 PM	Number of Coolers 3	Received By: [Signature]	Date/Time 6/13/17 1422
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

ENVIRONMENTAL PRO Central Lab Sample Submittal Form

Central Lab Sample Submittal Form

Requester: Curtis Musson

Customer: MQ-ASSESS

Project ID: SMP

Collected By: Ben Rich's Diana Turner

Field Report Prepared By: Dave Turner
Sampling Agency: **ENEP**

Sampling Agency: **ENEP**

For

Stone Mill Creek

STORET →

Dianna St

G2W A0012

Field 1L) →

—Stone Mill Creek

Dianna St

June 13, 2017

G2WA0012 06132017

Big Branch Downstream of Road 5

STORET ↗

G2WA0010

Field $L \rightarrow$

High Branch

if Road 5

June 13 2017

G2WA0010 06132017

**Coon Creek 100
meters upstream
of CR 69**

STORET ↩

G2WA0005

Field 17) →

10

Shoreline Creek 100

f CR 69

line 13 2717

02WAA0005 06132017

Relinquished By:

Date/Time

Diana Turner

$$\frac{15}{13} \frac{1}{17}$$

2:26 PM

2

Received By:

Date/Time:

Date/Time

三

Group: D	Bottle Type: P-250ML-WO-THI ECOL-18QT	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>3</u>
Group: E	Bottle Type: BG-1L W-AHERB-AA W-SUC-AA-R W-UHERB-AA	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>1</u>
Group: F	Bottle Type: QPCR-P-250ML PCR-FILTER	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>2</u>

Group: A	Bottle Type:	P-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 3	Preservative: ICE And H2SO4		Enter Number of Bottles Sent to Lab	3
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 3	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	
	W-PO4-F						
Group: B	Bottle Type:	BG-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	W-AHERB-AA						
	W-GLYPH						
	W-PYR-AA-R						
	W-SUC-AA-R						
	W-UHERB-AA						
Group: B	Bottle Type:	BG-500ML	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	W-CT-Cl-R						
	W-PCL-SQ-R						
Group: B	Bottle Type:	BG-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
	W-PSNP-TQ						
Group: C	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	1
	W-ICP						
	W-ICPMS						

Container ID: QPCR-P-250ML

Qty: 2 Preservation: ICE

Lot # 066L7801

Description:

Analysis

PCR-FILTER

Description

Preparation of Samples by Filtration and held for qPCR Analysis

Cooler Packed By: MM

Number of Coolers: 3 coolers

Date: 05/30/17

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle
- ☒ FedEx Bills, if applicable
- ☒ Plastic Bags
- ☐ Zip Ties

If Preservation Included:

ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2017-06-05-46

Container ID: P-500ML

Qty: 3 Preservation: ICE And H2SO4

Lot # 00027590

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

Description

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 3 Preservation: ICE-FLTR

Lot # 03067688

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group: B

of Sites: 1

Container ID: BG-1L

Qty: 2 Preservation: ICE

Lot # 00048850

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-AHERB-AA

W-GLYPH

W-PYR-AA-R

W-SUC-AA-R

W-UHERB-AA

Description

Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS

Glyphosate in water matrices by HPLC/MS/MS

Pyraclostrobin in water matrices by HPLC/MS/MS

Analysis of sucralose in water matrices by HPLC/MS/MS

Urea herbicides and other chemicals in water matrices by HPLC/MS/MS

Container ID: BG-500ML

Qty: 4 Preservation: ICE

Lot # 00007R

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

044308

Analysis

W-CT-CI-R

W-PCL-SQ-R

Description

Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization

Organochlorine pesticides in water matrices by GC/MS-SIM