



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

PAGE 1 OF 8

March 2017

Data Qualified?

Yes / No

Location/STORET Station Name: Big Branch Downstream of Road 5

Date: 06/13/2017
(mm/dd/yyyy)

STORET # G2WA0010

WBID: 1154

Latitude: 30.158

(Decimal Degrees)

County: Gulf

RQ - 2017-06-05-46

ORG ID: 21FLWQA

Longitude: -85.252

(Decimal Degrees)

Receiving Body of Water: Stone Mill Creek

Field ID: G2WA0010 06072017

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
Ben Ralys					X	X				☒ Sample Container	☐ Van Dorn	☒ Pole	
Diana Turner					X	X	X	X	X	☐ 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 (umhos/cm)	Temp. (C°)			
EST	10:25 AM	0.3	0.5	3.87	45.5	4.86	0.01	103	31	22.10			
CEN			0.6										

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			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um 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	☐ Ice			
	☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Other			

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

Alternative Sticker(s) Here
(if Available)

Notes: 1-Kit A	Big Branch Downstream of Road 5	STORET ↓ G2WA0010	Field ID → Big Branch Downstream of Road 5 June 13, 2017	 G2WA0010_06132017
Signature:			Date: 6/13/17	

Field Parameters Entered into LIMS: DT 6/15/17
(Initials/Date)

Field Parameters QC in LIMS: (Initials/Date)

Date Migrated to STORET: (Initials/Date)

Field Sheets Scanned/Saved: DT 6/15/17
(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	LAN *

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	3/29/8	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	-151.1	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	3/29/8	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 Reddy, Diana Turner

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 Field Report Prepared By: Diana Turner
 Sampling Agency: FDEP

STAFFORD CREEK 100 METERS UPSTREAM
of SR 69
G2WA0004

Field ID: →
 Stafford Creek
 100 meters
 upstream of
 SR 69
 June 13, 2017
G2WA0004_06132017

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 6/13/17 Time 11:25 AM	☒ Eastern ☐ Central	Collection (comp begin or grab) Date	Time	Bottle Group(s)
Matrix (Salt, Fresh) <u>Fresh</u>	Diss. Oxygen (mg/L) 6.50				A, B, C, D
Temp (C) 22.94	pH 6.71				
Salinity (ppt)	Comments				
Latitude (Decimal Degrees) 30.4991	Longitude (Decimal Degrees) -85.4127				

Big Branch 50 METERS UPSTREAM
of CR 67
G1WA0001

Field ID: →
 Big Branch 50
 meters upstream
 of CR 67
 June 13, 2017
G1WA0001_06132017

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 6/13/17 Time 12:50 PM	☒ Eastern ☐ Central	Collection (comp begin or grab) Date	Time	Bottle Group(s)
Matrix (Salt, Fresh) <u>Fresh</u>	Diss. Oxygen (mg/L) 7.14				D, E, F
Temp (C) 22.65	pH 4.35				
Salinity (ppt) 0.02	Comments				
Latitude (Decimal Degrees) 30.3110	Longitude (Decimal Degrees) -84.7651				

Soaps tone Branch 100 METERS UPSTREAM
of SR 375
G1WA0012

Field ID: →
 Soapstone
 Branch 100
 meters upstream
 of SR 375
 June 13, 2017
G1WA0012_06132017

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 6/13/17 Time 1:30 PM	☒ Eastern ☐ Central	Collection (comp begin or grab) Date	Time	Bottle Group(s)
Matrix (Salt, Fresh) <u>Fresh</u>	Diss. Oxygen (mg/L) 7.14				A
Temp (C) 22.65	pH 4.35				
Salinity (ppt) 0.02	Comments				
Latitude (Decimal Degrees) 30.38625	Longitude (Decimal Degrees) -84.6355				

Relinquished By: Diana Turner	Date/Time: 6/13/17 2:26 PM	Number of Coolers: 3	Received By: [Signature]	Date/Time: 6/13/17 1427
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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

Page 1 of 62
 Field Report Prepared By: Diana Turner
 Sampling Agency: FDEP

Collected By: Ben Palus Diana Turner

Stone Mill Creek
Upstream of
Dianna St
G2WA0012

Field IC1 →
 Stone Mill Creek
 Upstream of
 Dianna St
 June 13, 2017 **G2WA0012_06132017**

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

Big Branch
Downstream of Road 5
G2WA0010

Field IC1 →
 Big Branch
 Downstream of Road 5
 June 13, 2017 **G2WA0010_06132017**

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

Coon Creek 100
meters upstream of CR 69
G2WA0005

Field IC1 →
 Coon Creek 100 meters upstream of CR 69
 June 13, 2017 **G2WA0005_06132017**

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

Relinquished By: <u>Diana Turner</u>	Date/Time: <u>6/13/17</u> <u>2:26pm</u>	Number of Coolers: <u>3</u>	Received By: <u>[Signature]</u>	Date/Time: <u>6/13/17</u> <u>1427</u>
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Group: D	Bottle Type: P-250ML-WO-THI ECOLI-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 # 06647801

Description:

Analysis

PCR-FILTER

Description

Preparation of Samples by Filtration and held for qPCR Analysis

Cooler Packed By: W

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 # 00067590

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 # 00067688

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 # 00068050

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 # 00068050

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