



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

March 2017

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Data Qualified?
☒ Yes / ☐ No

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

Date: 6/26/2017

STORET # G2WA0010

WBID: 1154

Latitude: 30.158

(Decimal Degrees)

County: Gulf

RQ - 2017-06-19-56

ORG ID: 21FLWQA

Longitude: -85.252

(Decimal Degrees)

Receiving Body of Water: Stone Mill Creek

Field ID: G2WA0010_06262017

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Ben Ralys			X			
Ray Stuart		X		X	X	X

Sampling Equipment		
☐ Sample Container	☐ Van Dorn	☐ Pole
☐ 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	10:30am	0.3	0.7	2.54	30.0	4.03	0.01	0.5	35	23.59
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			☐ <2
Filtered Nutrients	☒ W-PO4-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	☐ Ice			
	☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Other			

Notes: Kit A Bacteria

Big Branch Downstream of Road 5

STORET ↓

Field ID → Big Branch Downstream of Road 5

Signature: [Signature]

Date: 6/26/17

Field Parameters Entered into LIMS: DT 6/27/17 (Initials/Date)

Date Migrated to STORET: (Initials/Date)

Field Parameters QC in LIMS: (Initials/Date)

Field Sheets Scanned/Saved: DT 6/27/17 (Initials/Date)

Conductivity

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- 2017-06-19-56

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 03/06/2017

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 Ralys	6/26/17	7:11	22.87	8.61	8.59	99.9	47.1	-	P	Lab
ICV	Ben Ralys	6/26/17	7:13	22.89	8.61	8.58	99.8	47.1	-	P	Lab
CCV	Ben Ralys	6/26/17	2:13	25.44	8.20	8.19	99.9	47.1	-	P	Lab
CCV											

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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Ben Ralys	6/26/17	7:15	170310D	03/2018	1,000	1,000	P	Lab
ICV	Ben Ralys	6/26/17	7:16	170310D	03/2018	1,000	1,000	P	Lab
CCV	Ben Ralys	6/26/17	2:15	170310E	3/2018	100	107	F	Lab
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 Ralys	6/26/17	7:19	170310B	9/2018	7.0	7.00	1.5	P	Lab
Calibr.	Ben Ralys	6/26/17	7:22	170310A	3/2018	4.0	4.00	173.8	P	Lab
Calibr.	Ben Ralys	6/26/17	7:24	161111C	5/2018	10.0	10.0	-159.3	P	Lab
ICV	Ben Ralys	6/26/17	7:25	161111C	5/2018	10.0	9.97	-157.9	P	Lab
CCV	Ben Ralys	6/26/17	2:17	170310A	3/2018	4.0	4.17	164.9	P	Lab
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 $\pm$ 50;

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

mV pH 10 Range -180 $\pm$ 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: 2017-06-19-56
 Big Branch, Coon Creek, Stone Mill Creek
 Customer: WQ-ASSESS
 Project ID: SMP

Requester: Curtis Musson

Collected By: Ben Ralys Ray Stuart

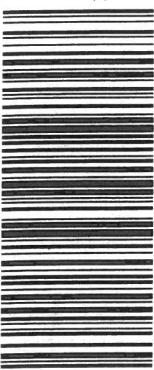
Field Report Prepared By: Ben Ralys
 Sampling Agency: FDEP

Stone Mill Creek
 Upstream of
 Dianna St



G2WAA0012

Field ID →
 Stone Mill Creek
 Upstream of
 Dianna St



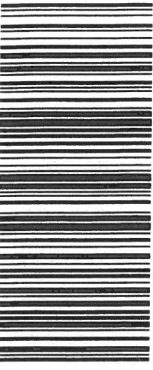
G2WAA0012_06262017

Big Branch
 Downstream
 of Road 5



G2WAA0010

Field ID →
 Big Branch
 Downstream
 of Road 5



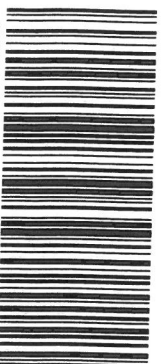
G2WAA0010_06262017

Coon Creek 100
 meters upstream
 of CR 69



G2WAA0005

Field ID →
 Coon Creek 100
 meters upstream
 of CR 69



G2WAA0005_06262017

☐ Comp	Collection (comp begin or grab)	☒ Grab	Date	Time	☒ Eastern Central	Collection (comp begin or grab)	Date	Time
			6/26/17					

Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)	Sample Depts (m)	Sp. Conductance (umho/cm)
Fresh			

Temp (C)	pH	Comments
		Samples Not Collected / High Water

☐ Comp	Collection (comp begin or grab)	☒ Grab	Date	Time	☒ Eastern Central	Collection (comp begin or grab)	Date	Time
			6/26/17	10:30 am				

Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)	Sample Depts (m)	Sp. Conductance (umho/cm)
Fresh			

Temp (C)	pH	Comments
23.59	4.03	

Salinity (ppt)	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)
0.01	30.158	-85.252

☐ Comp	Collection (comp begin or grab)	☒ Grab	Date	Time	☒ Eastern Central	Collection (comp begin or grab)	Date	Time
			6/26/17	9:50 am				

Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)	Sample Depts (m)	Sp. Conductance (umho/cm)
Fresh			

Temp (C)	pH	Comments
		100 Field Measurements, only bacteria collected

Salinity (ppt)	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)
	30.3929	-85.0625

Bottle Group(s)

Bottle Group(s)

Bottle Group(s)

C

C

A

Relinquished By:

Date/Time

Number of Coolers

Received By:

Date/Time

6/26/17 1:52 pm

1

Request Number: 2017-06-19-56

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Requester: Curtis Musson

Big Branch, Coon Creek, Stone Mill Creek
Customer: WQ-ASSESS
Project ID: SMP

Collected By: Ben Relys Phil Homann, Ray Stuart

Field Report Prepared By: Ben Relys
Sampling Agency: FDEP

Location:

STAFFORD CREEK 100
meters upstream
Field of SR 69



G2WA00004

Field ID: Stafford Creek
100 meters upstream of
SR 69



G2WA00004_06262017

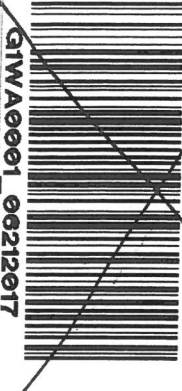
☐ Comp ☒ Grab	Collection (comp begin or grab) Date 6/26/17 Time	☒ Eastern Central	Collection (comp begin or grab) Date	Time	Bottle Group(s)
Matrix (Salt, Fresh)	Dis. Oxygen (mg/L)				
Temp (C)	pH	Sample Depts (m)			
Salinity (ppt)		Sp. Conductance (umho/cm)			
Latitude (Decimal Degrees)	Comments: Samples Not Collected / High Water	Longitude (Decimal Degrees)			

Big Branch 50
meters upstream
Field of CR 67



G1WA00001

Field ID: Big Branch 50
meters upstream of CR 67



G1WA00001_06212017

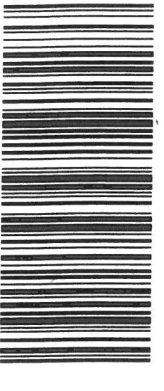
☐ Comp ☒ Grab	Collection (comp begin or grab) Date 6/26/17 Time	☒ Eastern Central	Collection (comp begin or grab) Date	Time	Bottle Group(s)
Matrix (Salt, Fresh)	Dis. Oxygen (mg/L)				
Temp (C)	pH	Sample Depts (m)			
Salinity (ppt)		Sp. Conductance (umho/cm)			
Latitude (Decimal Degrees)	Comments:	Longitude (Decimal Degrees)			

STODDY DRAINAGE
Ditch at Progress Dr.



G1WA00001

Field ID: Stoddy Drainage
Ditch at Progress Dr.



G1WA00001_06262017

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 6/26/17 Time 8:10 AM	☒ Eastern Central	Collection (comp begin or grab) Date	Time	Bottle Group(s)
Matrix (Salt, Fresh)	Dis. Oxygen (mg/L) 5.14				
Temp (C) 25.19	pH 7.82	Sample Depts (m) 0.15			
Salinity (ppt) 0.07		Sp. Conductance (umho/cm) 159			
Latitude (Decimal Degrees) 30.444661	Comments:	Longitude (Decimal Degrees) -84.344711			

Relinquished By:

Date/Time

Number of Coolers

Received By:

Date/Time

Request Number: 2017-06-19-56

Big Branch, Coon Creek, Stone Mill Creek

Customer: WQ-ASSESS

Project ID: SMP

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Central Lab Sample Submittal Form

Requester: Curtis Musson

Field Report Prepared By:

Sampling Agency: FDEP

Page 3 of 3

Collected By:

Field Report Prepared By: Sampling Agency: FDEP

Soapsstone Branch
100 meters
upstream
of SR 375

STORET ↓



GIWA00012

Field ID →

Soapsstone
Branch 100
meters upstream
of SR 375

GIWA00012_06262017

Location

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 6/26/17 Time 9:00am	Eastern Central	Collection (comp begin or grab) Date	Time	Bottle Group(s)
Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)				
Temp (C)	23.69	pH	7.38	Sample Depts (m)	0.15
Salinity (ppt)	0.02	Comments		Sp. Conductance (umho/cm)	46
Latitude (Decimal Degrees)	30.38625	Longitude (Decimal Degrees)	-84.6355		

Field ID

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

STORET #

Location

Field ID

STORET #

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

Relinquished By:

Date/Time

Number of Coolers

Received By:

Date/Time

Group: A	Bottle Type: ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	P-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: A	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: A	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 3	Preservative: ICE And H2SO4		Enter Number of Bottles Sent to Lab	2
Group: A	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 3	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: W-ICP W-ICPMS	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	0
Group: C	Bottle Type: ECOLI-18QT	P-250ML-WO-THI	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
Group: D	Bottle Type: W-AHERB-AA W-SUC-AA-R W-UHB-AA-R	BG-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: E	Bottle Type: PCR-FILTER	QPCR-P-250ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: F	Bottle Type: W-AHERB-AA W-GLYPH	BG-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0

Group: F	Bottle Type:	BG-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
	W-PYR-AA-R						
	W-SUC-AA-R						
	W-UHERB-AA						
Group: F	Bottle Type:	BG-500ML	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
	W-CT-Cl-R						
	W-PCL-SQ-R						
Group: F	Bottle Type:	BG-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
	W-PSNP-TQ						

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: P-500ML

Qty: 1 Preservation: HNO3

Lot # 00067590

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

Analysis

W-ICP

W-ICPMS

Description

Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Bottle Group: C

of Sites: 5

Container ID: P-250ML-WO-THI

Qty: 5 Preservation: ICE

Lot # L17013

Description:

Analysis

ECOLI-18QT

Description

Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Bottle Group: D

of Sites: 1

Cooler Packing Worksheet for Request: RQ-2017-06-19-56

Big, Staffotd, Coon, Stone Mill

Ship Cooler On: 6/15/2017

Customer/Project: WQAP/SMP

Assigned To: REAVES_S

Requester: Curtis Musson

Priority: 3

850-245-8453
2600 Blair Stone Rd
MS #3525
Tallahassee, FL 32399-2400
Attn: Curtis Musson

Comments:

No preservatives needed.

Group A: Freshwater Kit, No Metals

Group B: Metals

Group C: E. coli

Group D: Organics (Wastewater Tracers) Default AHERB

Group E: PCR (Wastewater Markers)

Group F: Organics (Pesticides) Complete AHERB List

Packing Notes:

No FedEx labels needed.

Requested Analyses:

Bottle Group: A

of Sites: 3

Container ID: P-1L

Qty: 3 Preservation: ICE

Lot # 00067591

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

W-SO4-IC

W-TDS

W-TSS

Description

Alkalinity in aqueous matrices as mg CaCO3/L

Turbidity in aqueous matrices

Chloride in aqueous matrices

True Color measured at 450 nm

Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Sulfate in aqueous matrices

Total Dissolved Solids in aqueous matrices

Total Suspended Solids in aqueous matrices

Container ID: BP-1L

Qty: 3 Preservation: ICE

Lot # 1199138

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry

Container ID: BG-1L

Qty: 1 Preservation: ICE

Lot # 00068050

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-AHERB-AA

W-SUC-AA-R

W-UHB-AA-R

Description

Chlorinated (phenoxy acid) herbicides 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

Bottle Group: E

of Sites: 1

Container ID: QPCR-P-250ML

Qty: 2 Preservation: ICE

Lot # 00067460

Description:

Analysis

PCR-FILTER

Description

Preparation of Samples by Filtration and held for qPCR Analysis

Bottle Group: F

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 # 00068229

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

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

Container ID: BG-1L

Qty: 4 Preservation: ICE

Lot # 00068080

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-PSNP-TQ

Description

Organonitrogen and phosphorus pesticides (ultra trace level) in water matrices by GC/MS/MS

Cooler Packed By: SR

Number of Coolers: 3

Date: 6-13-17

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-2017-06-19-56