FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

March 2017

Data Qualified? Yes / No — pH

Location/STORET Station Name: Big Branch Downstream of Road 5 **Date:** 10/31/2017 (mm/dd/yyyy)

STORET # G2WA0010 **WBID:** 1154 **Latitude:** 30.158 (Decimal Degrees)

County: GULF **RQ -** 2017-10-30-18 **ORG ID:** 21FLWQA **Longitude:** -85.252 (Decimal Degrees)

Receiving Body of Water: Stone Mill Creek **Field ID:** G2WA0010_10312017

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Ben Ralys		X	X	X	X
Curtis Musson	X				

Sampling Equipment

- [X] Sample Container
- [ ] Carboy
- [ ] Dipper
- [ ] Van Dorn
- [X] Syringe
- [ ] Other
- [ ] Pole

Equipment ID: ____

Collection Method

- [X] Wading
- [ ] From Shore
- [ ] Other (note below)

Via Boat:
- [ ] Canoe/Kayak
- [ ] Electric Motor
- [ ] Gasoline Motor

Water Level: Dry / Pooled / Low / (Normal) / High / Flooded

Matrix: (Fresh) / Marine / DI

Meter ID# Bio #2 **Photos:** Yes / (No)

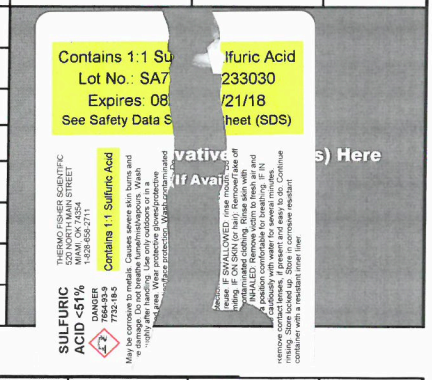
Tide Falling: Yes / No / (NA)

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)	912	0.15	0.3	6.69	60.9	4.58	0.01	VOB	28	11.14
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	[X] W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	[X] Ice [X] H_2SO_4	723030	3/21/18	[X] <2
Metals	[ ] W-ICPMS [ ] W-ICP	[ ] Ice [ ] HNO_3			[ ] <2
Filtered Nutrients	[X] W-PO4-F [X] Field Filtered 0.45 µm Filter	[X] Ice			
Chlorophyll	[X] CHLSUITE-W	[X] Ice			
Physical/Aggregate (Fresh)	[X] Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	[X] Ice			
Physical/Aggregate (Marine)	[ ] Alkalinity / W-F / W-TSS / TURBIDITY	[ ] Ice			
Macroinvertebrates	[ ] MI-FW-QLDC	[ ] Formalin			
Periphyton	[ ] ALGAE-ID	[ ] Ice			
Microbiology	[X] E Coli [ ] F Coli [ ] Enterococci [ ] qPCR	[X] 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			



Notes:

Kit A
E.coli

Big Branch Downstream of Road 5

STORET ↓

G2WA0010

Field ID ➔
Big Brar ch
Downstr eam
of Road 5
Oct 31, 2017

G2WA0010_10312017

Signature: [signature] **Date:** 10/31/2017

Field Parameters Entered into LIMS: BR 11-1-17 (Initials/Date) **Field Parameters QC in LIMS:** CM 1-23-18 (Initials/Date)

Date Migrated to STORET: ____ (Initials/Date) **Field Sheets Scanned/Saved:** ____ (Initials/Date)

Stone Mile, Tan Yard B,

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

pH

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

Meter ID: Bto #2 RQ- 2017-10-30-18 Project: SMP

Notes: (1) Always wait for meter to stabilize before recording any readings.
(2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).
(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 _____

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.	Curtis Musson	10/31/17	659	19.66	9.147	9.15	100.0	51	—	P / F	P / F
ICV	Curtis Musson	10/31/17	700	19.67	9.147	9.10	100.0	51	—	P / F	P / F
CCV	Curtis Musson	10/31/17	1633	21.59	8.812	8.54	96.9	50	—	P / F	P / F
CCV										P / F	L / F

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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	Curtis Musson	10/31/17	702	171005D	10/2018	1000	1000	P / F	P / F
ICV	Curtis Musson	10/31/17	703	171005D	10/2018	1000	1000	P / F	P / F
CCV	Curtis Musson	10/31/17	1636	171005E	10/2018	100	101	P / F	P / F
CCV								P / F	L / F

Conductivity Acceptance criteria ± 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.	Curtis Musson	10/31/17	705	170614B	12/2018	7.0	7.00	45	P / F	P / F
Calibr.	Curtis Musson	10/31/17	707	171005A	10/2018	4.01	4.01	214	P / F	P / F
Calibr.	Curtis Musson	10/31/17	710	170310C	09/2018	10.01	9.97	-113	P / F	P / F
ICV	Curtis Musson	10/31/17	712	171005A	10/2018	4.01	3.99	214	P / F	P / F
CCV	Curtis Musson	10/31/17	1637	170614B	12/2018	7.0	6.54	>4	P F	L / F
CCV									P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50; mV pH 4 Range +180 ± 50; mV pH 10 Range -180 ± 50;
If mV are recorded: slope from 7 to 10 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? (Yes) / **No** If yes, list date of last quarterly depth verification _____

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT ET	Calibrated Value (0.00 or Offset), meters	ICV Value meters	Pass / Fail	Lab / Field
Pressure mode in air	Curtis Musson	10/31/17	704	0.00	0.00	P F	L F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria ± 5 % or ± 0.05m, whichever is greater.

COMMENTS:

Request Number: RQ-2017-10-30-18
Stone Mill, tanyard, Big Branch
Customer: WAS-SECT
Project ID: SMP

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Requester: Curtis Musson
Collected By: Ben Ralys, Curtis Musson
Field Report Prepared By: Ben Ralys
Sampling Agency: FDEP

Location: Stone Mill Creek Upstream of Dianna St
STORET: Q2WA0012
Field ID: Stone Mill Creek Upstream of Dianna St
Oct 31, 2017
Q2WA0012_10312017

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 10/31/17 Time	Eastern / Central	Collection (comp begin or grab) Date — Time —	Bottle Group(s)
Matrix (Salt, Fresh): Fresh	Diss. Oxygen (mg/L): 8.17			
Temp (C): 15.82	pH: 6.67	Sample Depts (m): 0.25	Sp. Conductance (umho/cm): 68	A, B, C
Salinity (ppt): 0.03	Comments:			
Latitude (Decimal Degrees): 30.1577919		Longitude (Decimal Degrees): -85.2302		

Location: Big Branch Downstream of Road 5
STORET: Q2WA0010
Field ID: Big Branch Downstream of Road 5
Oct 31, 2017
Q2WA0010_10312017

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 10/31/17 Time 912	Eastern / Central	Collection (comp begin or grab) Date — Time —	Bottle Group(s)
Matrix (Salt, Fresh): Fresh	Diss. Oxygen (mg/L): 6.69			
Temp (C): 11.14	pH: 4.58	Sample Depts (m): 0.15	Sp. Conductance (umho/cm): 28	A, B
Salinity (ppt): 0.01	Comments:			
Latitude (Decimal Degrees): 30.158		Longitude (Decimal Degrees): -85.252		

Location: Tanyard Branch 100 meters upstream of Ralph Strong Rd.
STORET: Q1WA0005
Field ID: Tanyard Branch 100 meters upstream of Ralph Strong Rd.
Oct 31, 2017
Q1WA0005 10312017

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 10/31/17 Time 1430	Eastern / Central	Collection (comp begin or grab) Date — Time —	Bottle Group(s)
Matrix (Salt, Fresh): Fresh	Diss. Oxygen (mg/L): 8.42			
Temp (C): 17.86	pH: 6.83	Sample Depts (m): 0.15	Sp. Conductance (umho/cm):	A, B, C
Salinity (ppt): 0.15	Comments: NO SCI collected, Just Algal ID			
Latitude (Decimal Degrees): 30.5832		Longitude (Decimal Degrees): -84.5519		

Relinquished By:	Date/Time	Number of Coolers	Received By:	Date/Time
Curtis Musson	10/31/2017 / 1449	25 cc Jug / 2 Coolers	ABB	10-31-17 / 14:49

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:	FILTER-ICE	**Enter Number of Bottles Sent to Lab**	3
	W-PO4-F					
Group: B	Bottle Type: P-250ML-WO-THI	# of Bottles: 3	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	3
	ECOLI-18QT					
Group: C	Bottle Type: PT-50ML	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	2
	ALGAL_ID					
Group: C	Bottle Type: PJ-2L	# of Bottles: 4	Preservative:	Formalin	**Enter Number of Bottles Sent to Lab**	2
	MI-FW-QLDC					

Cooler Packing Worksheet for Request: RQ-2017-10-30-18
Stone Mill, Tanyard, BigBranch
Ship Cooler On: 10/24/2017
Customer/Project: WAS-SECT/SMP

Assigned To: GREENWOO_J
Requester: Curtis Musson
Priority: 3

850-245-8453
2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson

Comments:
No preservatives needed.

Group A: Freshwater Kit, No Metals
Group B: E. coli
Group C: SCI, Algal ID

Requested Analyses:

Bottle Group: A # of Sites: 3

Container ID: P-1L **Qty: 3** **Preservation: ICE** **Lot #** 0009122

Description: Plastic Bottle 1L

Analysis	Description
ALKALINITY	Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Turbidity in aqueous matrices
W-CL-IC	Chloride in aqueous matrices
W-COLOR	True Color measured at 450 nm
W-F	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Sulfate in aqueous matrices
W-TDS	Total Dissolved Solids in aqueous matrices
W-TSS	Total Suspended Solids in aqueous matrices

Container ID: BP-1L **Qty: 3** **Preservation: ICE** **Lot #** 1209913

Description: Brown Plastic Bottle 1L

Analysis	Description
CHLSUITE-W	Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: P-500ML **Qty: 3** **Preservation: ICE And H2SO4** **Lot #** 0001686654

Description: Plastic Bottle 500 mL Affix YELLOW sulfuric acid dot to container.

Analysis	Description
W-NH3	Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML **Qty: 3** **Preservation: FILTER-ICE** **Lot #** 0001686347

Description: Plastic Bottle 125 mL

Analysis	Description
W-PO4-F	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group: B # of Sites: 3

Container ID: P-250ML-WO-THI **Qty: 3** **Preservation: ICE** **Lot #** L17048

Description:

Analysis	Description
ECOLI-18QT	Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

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Bottle Group: C # of Sites: 2

Container ID: PT-50ML **Qty: 2** **Preservation: ICE** **Lot #** 03716003

Description: Plastic Tube 50 mL

Analysis	Description
ALGAL_ID	Qualitative assessment of algal taxa present without counts

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Container ID: PJ-2L **Qty: 4** **Preservation: Formalin** **Lot #** BIOWASH

Description: Plastic Jar 2 L

Analysis	Description
MI-FW-QLDC	No. Taxa of FW macroinverts, qual samp, 20 dipnets.

Cooler Packed By: J.D. Number of Coolers: 2 Date: 10/24/17

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-2017-10-30-18