



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / No

4/12/2018

WIN Station Name: Big Branch Downstream of Road 5

Date:

(mm/dd/yyyy)

WIN/ Field ID: G2WA0010

WBID: 1154

Latitude: 30.158

(Decimal Degrees)

County: Gulf

ORG ID: 21FLWQA

Longitude: -85.252

(Decimal Degrees)

Receiving Body of Water: Stone Mill Creek

RQ-2018- 04-09-20

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Ben Ralys							✓	✓		
Will Lasley						✓		✓	✓	✓

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☒ Syringe	
☐ Dipper	☐ Other	
Depth Measured with <u>meter stick</u>		
Equipment ID		

Collection Method		
☒ Wading	☐ Canoe/Kayak	
☐ From Shore	☐ Electric Motor	
☐ Other	☐ Gasoline Motor	

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

Meter ID# Biology #2

Matrix: fresh / Marine / DI

Photos: Yes / No

Flow: No Flow / Intestinal / Flowing / NA

Tide: Rising/ Falling/ Slack/NA

Tide Times: High NA Low NA

Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (µmhos/cm)	Temp. (C°)
EST	1022	0.5	0.25	WOB	7.05	73.7	4.11	0.01	27	13.91
CEN										

Biological Samples Collected: None HA SCI RPS Algae ID LVS LVI Other:

SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#: 1994308

Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☒ H2SO4	SA7233030	8/21/18	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice	10827054		
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	☒ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-GFD	☐ Ice			
Tracers	☐ W-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-UHERB-AA ☐ W-AHERB-AA ☐ W-CARB-AA ☐ W-PCL-SQ-R ☐ W-PYR-AA-R ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			

Notes:

Kit-A
FW Bact

Newly paved road and newly installed culvert bridge.

Big Branch
Downstream
of Road 5

WIN ID / Field ID

G2WA0010

Signature:

Ben Ralys

Date:

4/12/18

Enter Field Parameters, Verify Station ID In LIMS DMT:

4/13/18

QC Station ID, Field Parameters In LIMS DMT:

4/16/18

Scan/Save Field Sheets

4/23/18

Migrate Data to WIN:

Verify Data In WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)

(Initials/Date)

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Collected By:

Field Report Prepared By:

Sampling Agency:

Ben Ralys, will Ralys
FDEP

Location		Stone Mill Creek Upstream of Dianna St		WIN ID / Field ID G2WA0012		Collection (comp begin or end) Date 4/12/18 Time 1045		Composite end Date		Bottle Group(s) (See pg 2) A, B, C, E	
Field ID		30.1577919		Longitude -85.2302		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 82.6		Total Res. Chlorine (mg/L)	
WIN/STORET #		30.1577919		Longitude -85.2302		Temp (C) 16.64		pH 5.36		Sp. Conductance (umho/cm) 34	
Latitude		30.1577919		Longitude -85.2302		Salinity (ppt) 0.01		Comments			
Location		Big Branch Downstream of Road 5		WIN ID / Field ID G2WA0010		Collection (comp begin or end) Date 4/12/18 Time 1022		Composite end Date		Bottle Group(s) A, C	
Field ID		30.158		Longitude -85.252		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 73.7		Total Res. Chlorine (mg/L)	
WIN/STORET #		30.158		Longitude -85.252		Temp (C) 13.91		pH 4.11		Sp. Conductance (umho/cm) 27	
Latitude		30.158		Longitude -85.252		Salinity (ppt) 0.01		Comments Newly paved road and newly installed culvert bridge			
Location		Coon Creek 100 meters upstream of CR 61		WIN ID / Field ID G2WA0005		Collection (comp begin or end) Date 4/12/18 Time 0944		Composite end Date		Bottle Group(s) C	
Field ID		30.3929		Longitude -85.0625		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 76.1		Total Res. Chlorine (mg/L)	
WIN/STORET #		30.3929		Longitude -85.0625		Temp (C) 15.11		pH 4.30		Sp. Conductance (umho/cm) 36	
Latitude		30.3929		Longitude -85.0625		Salinity (ppt) 0.02		Comments			
Location		Stafford Creek 100 meters upstream of SR 69		WIN ID / Field ID G2WA0004		Collection (comp begin or end) Date 4/12/18 Time 1146		Composite end Date		Bottle Group(s) A, B, C, E	
Field ID		30.4991		Longitude -85.0427		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 93.4		Total Res. Chlorine (mg/L)	
WIN/STORET #		30.4991		Longitude -85.0427		Temp (C) 16.67		pH 5.70		Sp. Conductance (umho/cm) 60	
Latitude		30.4991		Longitude -85.0427		Salinity (ppt) 0.03		Comments			

Relinquished By: W/BR	Date/Time 4/12/18	Shipping Method 1400	Number of Coolers Shipped:	Received By:	Date/Time
--------------------------	----------------------	-------------------------	----------------------------	--------------	-----------

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Collected By: Ben Rabys, Will Lasley

Field Report Prepared By: Ben Rabys, Will Lasley

Sampling Agency: FDEP

Location		Big Branch 50		WIN ID/Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		mete's upstream				Date 4/12/18 Time 0850		Date		(See pg 2)	
WIN/STORET #		of CR 67		G1WA00001		Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine			
Latitude		30.3110		Longitude -84.7651		Temp (C) 14.67		Diss. Oxygen 177.8		Total Res. Chlorine	
Salinity (ppt) 0.02						pH 4.91		Sample Depth 0.25		Sp. Conductance (umho/cm) 37	
Comments											
Location						Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID						Date		Date			
WIN/STORET #						Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine			
Latitude						Temp (C)		Diss. Oxygen		Total Res. Chlorine	
Salinity (ppt)						pH		Sample Depth		Sp. Conductance (umho/cm)	
Comments											
Location						Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID						Date		Date			
WIN/STORET #						Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine			
Latitude						Temp (C)		Diss. Oxygen		Total Res. Chlorine	
Salinity (ppt)						pH		Sample Depth		Sp. Conductance (umho/cm)	
Comments											
Location						Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID						Date		Date			
WIN/STORET #						Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine			
Latitude						Temp (C)		Diss. Oxygen		Total Res. Chlorine	
Salinity (ppt)						pH		Sample Depth		Sp. Conductance (umho/cm)	
Comments											
Location						Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID						Date		Date			
WIN/STORET #						Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine			
Latitude						Temp (C)		Diss. Oxygen		Total Res. Chlorine	
Salinity (ppt)						pH		Sample Depth		Sp. Conductance (umho/cm)	
Comments											

Relinquished By: WYGR	Date/Time 4/12/18 1400	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
-----------------------	------------------------	-----------------	----------------------------	--------------	-----------

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-500ML	# of Bottles: 2	Preservative: HNO3	Enter Number of Bottles Sent to Lab	2
W-ICP W-ICPMS					
Group: C	Bottle Type: P-250ML-WO-THI	# of Bottles: 5	Preservative: ICE	Enter Number of Bottles Sent to Lab	5
ECOLI-18QT					
Group: D	Bottle Type: QPCR-P-250ML	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
PCR-FILTER					
Group: D	Bottle Type: BG-500ML	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
W-E8321-DI W-E8321-MS					
Group: E	Bottle Type: BG-500ML	# of Bottles: 2	Preservative: CH2ClCOOH Pre-Preserved	Enter Number of Bottles Sent to Lab	2
W-CARB-AA					
Group: E	Bottle Type: BG-500ML	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab	6

Group: E	Bottle Type: W-CT-CI-R W-PCL-SQ-R	BG-500ML	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6
Group: E	Bottle Type: W-E8321-DI W-E8321-MS	BG-500ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: E	Bottle Type: W-PSNP-TQ	BG-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6

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 ID: Biology #2

RQ: 2018-04-09-20

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.	Ben Ralys	4/12/18	7:15	20.85	8.95	8.94	100.0	76.8	-	P/F	L/F
ICV	Ben Ralys	4/12/18	7:16	20.86	8.95	8.94	100.0	76.8	-	P/F	L/F
CCV	Will Lastey	4/12/18	14:10	24.81	8.29	8.55	103.1	80.8	-	P/F	L/F
CCV										P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

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

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

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 Ralys	4/12/18	7:18	171005D	10/2018	1,000	1,000	P/F	L/F
ICV	Ben Ralys	4/12/18	7:19	171005D	10/2018	1,000	1,000	P/F	L/F
CCV	Will Lastey	4/12/18	14:12	180328A	04/2019	100	99	P/F	L/F
CCV								P/F	L/F

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	4/12/18	7:20	171005B	4/2019	7.0	7.0	1.6	P/F	L/F
Calibr.	Ben Ralys	4/12/18	7:23	171005A	10/2018	4.0	3.82	176.9	P/F	L/F
Calibr.	Ben Ralys	4/12/18	7:26	171005C	4/2019	10.0	9.93	-158.2	P/F	L/F
ICV	Ben Ralys	4/12/18	7:27	171005C	4/2019	10.0	9.89	-156.2	P/F	L/F
CCV	Will Lastey	4/12/18	14:14	171005A	10/2018	4.0	3.66	186.7	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 $+180 \pm 50$;

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						P/F	L/F

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

COMMENTS:

Cooler Packing Worksheet for Request: RQ-2018-04-09-20

Big, Big, Staffors, Coon, Stone Mill

Ship Cooler On: 4/5/2018

Customer/Project: WAS-SECT/SMP

Assigned To: REAVES_S

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

Group B: Metals

Group C: E. coli

Group D: Tracers/Markers

Group E: Pesticides (AHERB Long List)

Packing Notes:

No FedEx labels

No Trash Bags

Requested Analyses:

Bottle Group: A

of Sites: 3

Container ID: P-1L

Qty: 3 Preservation: ICE

Lot #

00070681

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 #

1220536

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-500ML

Qty: 3 Preservation: ICE And H2SO4

Lot # 00070440

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: FILTER-ICE

Lot # 00069732

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: 2

Container ID: P-500ML

Qty: 2 Preservation: HNO3

Lot # 00070440

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 # 417167

Description:

Analysis

ECOLI-18QT

Description

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

Bottle Group: D

of Sites: 1

Container ID: QPCR-P-250ML

Qty: 2 Preservation: ICE

Lot # 00070172

Description: 250ml Sterile Nalgene (2)

Analysis

PCR-FILTER

Description

Preparation of Samples by Filtration and held for qPCR Analysis

Container ID: BG-500ML

Qty: 1 Preservation: ICE

Lot # 00070359

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-E8321-DI

W-E8321-MS

Description

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Bottle Group: E

of Sites: 2

Container ID: BG-500ML

Qty: 2 Preservation: CH₂ClCOOH Pre-Preserved

Lot # 00068393

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-CARB-AA

Description

Carbamates in water matrices by HPLC/MS/MS

Container ID: BG-500ML

Qty: 6 Preservation: ICE

Lot # 00070359

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-500ML

Qty: 2 Preservation: ICE

Lot # 00070359

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-E8321-DI

W-E8321-MS

Description

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Container ID: BG-1L

Qty: 6 Preservation: ICE

Lot # 00070274

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: 4-3-18

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-2018-04-09-20