



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

March 2017

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Data Qualified?

Yes / No

Location/STORET Station Name: Stone Mill Creek Upstream of Dianna St

Date: 05/24/2017

STORET # G2WA0012

WBID: 1075

Latitude:

County: Gulf

RQ - 2017-05-22-25

ORG ID: 21FLWQA

Longitude:

(Decimal Degrees)

Receiving Body of Water:

Field ID: G2WA0012_05242017

(Decimal Degrees)

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 / <u>Normal</u> / High / Flooded		Matrix: <u>Fresh</u> / Marine / DI								
Meter ID# Biology 2		Photos: Yes / <u>No</u>		Tide Falling: Yes / No / <u>NA</u>						
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°)
<u>EST</u>	10:00	0.3	0.7	8.71	99.4	6.42	0.02	0.6	45	21.81
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	63020-30	10/28/17	☒ <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			

Contains
1:1
Sulfuric Acid
SA-630203
EXP: 10/28/17
Warning!
See SDS

Preservative Sticker(s) Here
(Available)

Notes:

1-Kit A
FW Bact

Stone Mill Creek
Upstream of
Dianna St



G2WA0012

Field ID →

Stone Mill Creek
Upstream of
Dianna St

May 24, 2017



G2WA0012_05242017

Signature: *[Signature]*

Date: 5/24/2017

Field Parameters Entered into LIMS: *DT 5/25/17*

(Initials/Date)

Field Parameters QC in LIMS:

Date Migrated to STORET:

(Initials/Date)

Field Sheets Scanned/Saved: *DT 5/25/17*

(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- **2017-05-22-25**

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 Ralys	5/24/17	7:42	22.99	8.59	8.59	100.1	28.8	-	P	L
ICV	Ben Ralys	5/24/17	7:45	22.99	8.59	8.60	100.3	28.8	-	P	L
CCV	Ben Ralys	5/24/17	3:05	25.03	8.26	BR					
CCV	Ben Ralys	5/25/17	8:05	22.77	8.627	10.60	123.1	31.8	-	F	L

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	5/24/17	7:48	161111D	11/2017	1,000	1,000	P	L
ICV	Ben Ralys	5/24/17	7:49	161111D	11/2017	1,000	1,001	P	L
CCV	Ben Ralys	5/24/17	BR						
CCV	Ben Ralys	5/25/17	8:07	170310E	03/2018	100	104	P	L

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	5/24/17	7:52	170310B	9/2018	7.0	7.0	-1.4	P	L
Calibr.	Ben Ralys	5/24/17	7:55	170310A	3/2018	4.0	4.0	171.1	P	L
Calibr.	Ben Ralys	5/24/17	7:57	161111C	5/2018	10.0	9.89	-165.8	P	L
ICV	Ben Ralys	5/24/17	7:58	161111C	5/2018	10.0				
CCV	Ben Ralys	5/24/17	BR							
CCV	Ben Ralys	5/25/17	8:10	170310A	03/2018	4.0	4.34	153.7	F	L

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 $\pm 0.05m$, whichever is greater

Request Number: 2017-05-22-25

Big Branch, Stafford, Coon, Stone Mill

Customer: WQ-ASSESS

Project ID: SMP

Requester: Curtis Musson

Collected By: Ben Zalyz & Diana Turner

Field Report Prepared By: DDA
Sampling Agency: FDEP

Page 1 of 2

Field ID ➔
Big Branch £0
meters upstream
of CR 67
May 24, 2017

Big Branch 50 meters upstream of CR 137

STOET ↓

GIWA000-

Field ID →
31g Branch
Downstream
of Road 5
May 24, 2017

Big Branch
Downstream
of Road 5

STORET ↓



G2WA0010

Field ID: 
 Stafford Creek
 100 meter;
 upstream of
 SR 69
 May 24, 2017



G2WA0004 05242017

Stafford Creek 100
meters upstream
of SR 69

STORET ↓



G2WA0004

[illegible]

Field ID: → Coon Creek 100 meters upstream of CR 69 May 24, 2017 G2WA0005_05242017 STORET ↓ Coon Creek 100 meters upstream of CR 69 G2WA0005		Field ID: → Stone Mill Creek Upstream of Dianna St May 24, 2017 G2WA0012_05242017 STORET ↓ Stone Mill Creek Upstream of Dianna St G2WA0012		Field ID: Location		Field ID: STORET #	
☐ Comp ☒ Grab		☐ Comp ☒ Grab		☐ Comp ☐ Grab		☐ Comp ☐ Grab	
Matrix (Salt, Fresh) Fresh		Matrix (Salt, Fresh) Fresh		Matrix (Salt, Fresh)		Matrix (Salt, Fresh)	
Temp (C)		Temp (C) 21.81		Temp (C) 8.71		Temp (C)	
Salinity (ppt)		Salinity (ppt) 0.02		Salinity (ppt)		Salinity (ppt)	
Diss. Oxygen (mg/L)		Diss. Oxygen (mg/L) 6.42		Diss. Oxygen (mg/L) 8.71		Diss. Oxygen (mg/L)	
pH		pH		pH		pH	
Comments		Comments		Comments		Comments	
Sample Depts (m)		Sample Depts (m)		Sample Depts (m)		Sample Depts (m)	
Sp. Conductance (umho/cm)		Sp. Conductance (umho/cm) 0.3		Sp. Conductance (umho/cm) 0.3		Sp. Conductance (umho/cm)	
Latitude (Decimal Degrees) 30.3929		Latitude (Decimal Degrees)		Latitude (Decimal Degrees)		Latitude (Decimal Degrees)	
Longitude (Decimal Degrees) -85.0625		Longitude (Decimal Degrees)		Longitude (Decimal Degrees)		Longitude (Decimal Degrees)	
Collection (comp begin or grab) Date 5/24/17 Time 12:38 PM		Collection (comp begin or grab) Date 5/24/17 Time 10:00 AM		Collection (comp begin or grab) Date		Collection (comp begin or grab) Date	
Eastern Central		Eastern Central		Eastern Central		Eastern Central	
Bottle Group(s) C		Bottle Group(s) A, C		Bottle Group(s)		Bottle Group(s)	

Relinquished By: Diana Turner
Date/Time: 5/24/17 2:55 PM
Number of Coolers: 2
Received By: [Signature]
Date/Time: 5-24-17 11:55

Group: A	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	2
	W-PO4-F						
Group: B	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	1
	W-ICP						
	W-ICPMS						
Group: C	Bottle Type:	P-250ML-WO-THI	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	ECOLI-18QT						
Group: D	Bottle Type:	BG-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	W-AHERB-AA						
	W-SUC-AA-R						
	W-UHERB-AA						
Group: E	Bottle Type:	QPCR-P-250ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	PCR-FILTER						
Group: F	Bottle Type:	BG-500ML	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	W-CT-CI-R						
	W-PCL-SQ-R						

Group: F	Bottle Type: W-GLYPH W-PYR-AA-R	BG-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: F	Bottle Type: W-PSNP-TQ	BG-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4

Cooler Packing Worksheet for Request: RQ-2017-05-22-25

Big Branch, Stafford, Coon

Ship Cooler On: 5/8/2017

Customer/Project: WQAP/SMP

Assigned To:

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: Nutrients, CHLA, Physical Aggregates

Group B: Metals

Group C: Microbiology (Bacteria)

Group D: Organics (Wastewater Tracers)

Group E: PCR (Wastewater Markers)

Group F: Pesticides

Packing Notes:

No FedEx labels needed

Requested Analyses:

Bottle Group: A

of Sites: 2

Container ID: P-1L

Qty: 2 Preservation: ICE

Lot # 50067591

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: 2 Preservation: ICE

Lot # 1199139

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-500ML

Qty: 2 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: 2 Preservation: ICE-FLTR

Lot # 00066993

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: 3

Container ID: P-250ML-WO-THI

Qty: 3 Preservation: ICE

Lot # 417013

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: BG-1L

Qty: 1 Preservation: ICE

Lot # 00067571

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-AHERB-AA

W-SUC-AA-R

W-UHERB-AA

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 # 00065789

Description:

Analysis

PCR-FILTER

Description

Preparation of Samples by Filtration and held for qPCR Analysis

Bottle Group: F

of Sites: 1

Container ID: BG-500ML

Qty: 4 Preservation: ICE

Lot # 00067107

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: 1 Preservation: ICE

Lot # 00067571

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-GLYPH

W-PYR-AA-R

Description

Glyphosate in water matrices by HPLC/MS/MS

Pyraclostrobin in water matrices by HPLC/MS/MS

Container ID: BG-1L

Qty: 4 Preservation: ICE

Lot # 00067571

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: AB Date: 5-15-17
DEP Cooler ID #(s): 2

Kit must also include:

- ☒ Field Sheets
- ☐ Temperature Control Bottle (1 per cooler)
- ☒ FedEx Bills, if applicable (1 per cooler)
- ☒ Plastic Bags
- ☐ Zip Ties

If Preservation Included:

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

PLEASE RETURN ALL COOLERS FOR RQ-2017-05-22-25