



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 50 meters upstream of CR 67

Date: 5/3/2017

STORET # G1WA0001

WBID: 1049

Latitude: 30.3110

(mm/dd/yyyy)

County: Liberty RQ - 2017-04-24-13

ORG ID: 21FLWQA

Longitude: -84.7651

(Decimal Degrees)

Receiving Body of Water: Telogia Creek

Field ID: G1WA0001_05032017

(Decimal Degrees)

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Ben Ralys				XX		X
Robert Wiwi		XX				

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 / <u>Low</u> / Normal / High / Flooded	Matrix:	<u>Fresh</u> / Marine / DI
Meter ID#	<u>Biology 2</u>	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>	<u>1:55</u>	<u>0.05</u>	<u>0.1</u>	<u>8.33</u>	<u>90.1</u>	<u>4.46</u>	<u>0.02</u>	<u>VOR</u>	<u>55</u>	<u>18.87</u>
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	<u>6302030</u>	<u>10/22/17</u>	☒ <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: 1-Kit A, FW Bact, Tracers, Mark

Field ID: →
Big Branch 50
meters upstream
of CR 67



G1WA0001_05032017

Big Branch 50
meters upstream
of CR 67

STORET ↓



G1WA0001

Signature: [Signature]

May 3, 2017

Date: 5/3/17

Field Parameters Entered into LIMS: [Signature] 5/8/17

(Initials/Date)

Field Parameters QC in LIMS:

Date Migrated to STORET:

(Initials/Date)

Field Sheets Scanned/Saved: DE 5/8/17

(Initials/Date)

(Initials/Date)

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

Holdly "X" this box if there is qualified data on this name.

Meter Biology 2

RQ- 2017-04-24-13

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.	Robert Wini	5/3/17	7:03	20.89	8.432	8.94	100.0	38.0	—	P	L
ICV	↓	↓	7:04	20.89	8.432	8.94	100.0	38.0	—	P	↓
CCV	↓	↓	15:45	26.12	8.044	8.08	99.8	39.0	—	P	↓
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.	Robert Wini	5/3/17	7:06	161111D	11/17	1000	1000	P	L
ICV	↓	↓	7:07	161111D	11/17	1000	1000	P	↓
CCV	↓	↓	15:45	2510F25	10/17	100	103	P	↓
CCV				170310E	3/18				

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.	Robert Wini	5/3/17	7:08	161111B	5/18	7.0	7.00	-16.3	P	L
Calibr.	↓	↓	7:09	170310A	3/18	4.0	4.00	162.1	P	↓
Calibr.	↓	↓	7:11	161111C	5/18	10.0	9.95	-178.3	P	↓
ICV	↓	↓	7:13	170310A	3/18	4.0	3.94	163.1	P	↓
CCV	↓	↓	15:49	161111C	5/18	10.0	8.68	-109.4	F	↓
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: RQ-2017-04-24-13

SMP
Customer: WQ-ASSESS
Project ID: SMP

Requester: Curtis Musson

Collected By: Robert Wiwi, Ben Ralys

Field Report Prepared By: Robert Wiwi
Sampling Agency: FDEP

Page 1 of 4

Collection (comp begin or grab)		Collection (comp begin or grab)		Collection (comp begin or grab)	
Comp	Grab	Date	Time	Date	Time
☒	☐	5/3/17	9:40		
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)		Sample Depts (m)	
Fresh		7.22		0.3	
Temp (C)		pH		Sp. Conductance (umho/cm)	
19.38		6.62		79	
Salinity (ppt)		Comments			
0.04					
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)		Bottle Group(s)	
				A, B	
☐	☒	5/3/17	10:00		
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)		Sample Depts (m)	
Fresh		7.79		0.3	
Temp (C)		pH		Sp. Conductance (umho/cm)	
18.84		5.78		59	
Salinity (ppt)		Comments			
0.03					
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)		Bottle Group(s)	
				A	
☐	☐				
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)		Sample Depts (m)	
Temp (C)		pH		Sp. Conductance (umho/cm)	
Salinity (ppt)		Comments			
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)		Bottle Group(s)	

Field ID: →
Stone Mill Creek
Upstream of
Dianna St
May 3, 2017
G2WA0012_05032017

STORET ↓
Stone Mill Creek
Upstream of
Dianna St
G2WA0012

Field ID: →
Stone Mill Creek
Upstream of
Road 5
May 3, 2017
G2WA0013_05032017

STORET ↓
Stone Mill Creek
Upstream of
Road 5
G2WA0013

Field ID: →
Big Branch
at Stone Mill
Confluence
May 3, 2017
G2WA0011_05032017

STORET ↓
Big Branch at
Stone Mill
Confluence
G2WA0011

Relinquished By: <i>Robert Wiwi</i>	Date/Time: 5/3/17 15:20	Number of Coolers: 4	Received By: <i>DR</i>	Date/Time: 5-3-17/3:21
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION										
Central Lab Sample Submittal Form										
Request Number: RQ-2017-04-24-13	Requester: Curtis Musson		Field Report Prepared By: Robert Wini		Page 2 of 4		Sampling Agency: FDEP			
SMP	Customer: WQ-ASSESS	Project ID: SMP	Collected By: Robert Wini, Ben Palys							
Loc	Field ID → Coon Creek 100 meters upstream of CR 69 May 3, 2017	Barcode G2WA0005_05032017	STORET ↓ Barcode G2WA0005	Matrix (Salt, Fresh) Fresh	Temp (C) 19.05	Diss. Oxygen (mg/L) 6.65	pH 5.18	Sample Depts (m) 0.1	Sp. Conductance (umho/cm) 43	Bottle Group(s) A, B
				Collection (comp begin or grab) Date 5/3/17 Time 11:20	Eastern Central	Collection (comp begin or grab) Date	Time			
				Latitude (Decimal Degrees) 30.3929		Longitude (Decimal Degrees) -85.0625				
Loc	Field ID → Stafford Creek 100 meters upstream of SR 69 May 3, 2017	Barcode G2WA0004_05032017	STORET ↓ Barcode G2WA0004	Matrix (Salt, Fresh) Fresh	Temp (C) 20.45	Diss. Oxygen (mg/L) 7.69	pH 5.12	Sample Depts (m) 0.1	Sp. Conductance (umho/cm) 82	Bottle Group(s) A, B, C, D, E
				Collection (comp begin or grab) Date 5/3/17 Time 12:25	Eastern Central	Collection (comp begin or grab) Date	Time			
				Latitude (Decimal Degrees) 30.4991		Longitude (Decimal Degrees) -85.0427				
Loc	Field ID → Big Branch 50 meters upstream of CR 67 May 3, 2017	Barcode G1WA0001_05032017	STORET ↓ Barcode G1WA0001	Matrix (Salt, Fresh) Fresh	Temp (C) 18.87	Diss. Oxygen (mg/L) 8.33	pH 4.46	Sample Depts (m) 0.05	Sp. Conductance (umho/cm) 55	Bottle Group(s) A, B, C, D
				Collection (comp begin or grab) Date 5/3/17 Time 13:55	Eastern Central	Collection (comp begin or grab) Date	Time			
				Latitude (Decimal Degrees) 30.3110		Longitude (Decimal Degrees) -84.7651				

Relinquished By: [Signature] Date/Time: 5/3/17 15:20 Number of Coolers: 4 Received By: [Signature] Date/Time: 4-3-17 13:21

Group	Bottle Type	P-1L	# of Bottles	5	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: A	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
Group: A	W-TSS						
	CHLSUITE-W						
Group: A	BP-1L						
	Bottle Type:						
	# of Bottles:						
	Preservative:						
	ICE						
Group: A	P-500ML						
	Bottle Type:						
	# of Bottles:						
	Preservative:						
	ICE And H2SO4						
Group: A	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	W-PO4-F						
Group: B	P-250ML-WO-THI						
	ECOLI-18QT						
Group: C	BG-1L						
	Bottle Type:						
	# of Bottles:						
	Preservative:						
Group: D	W-AHERB-AA						
	W-SUC-AA-R						
	W-UHERB-AA						
	PCR-FILTER						
Group: E	QPCR-P-250ML						
	Bottle Type:						
	# of Bottles:						
	Preservative:						
Group: E	BG-500ML						
	Bottle Type:						
	# of Bottles:						
	Preservative:						
Group: E	W-CT-CL-R						
	W-PCL-SQ-R						
	BG-40ML						
	Bottle Type:						
Group: E	W-GLYPH						
	Bottle Type:						
	# of Bottles:						
	Preservative:						

Group: E	Bottle Type: W-PSNP-TQ	BG-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
Group: E	Bottle Type: W-PYR-AA-R	BG-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: F	Bottle Type: MI-FW-QLDC	PJ-2L	# of Bottles: 2	Preservative:	Formalin	Enter Number of Bottles Sent to Lab	0

Cooler Packing Worksheet for Request: RQ-2017-04-24-13

Big Branch, Coon, Stafford

Ship Cooler On: 4/20/2017

Customer/Project: WQ-ASSESS/SMP

Assigned To: REAVES_S

Requester: Curtis Musson

Priority: 3

850-245-8453
Division Of Water Facilities, FL DEP
2600 Blair Stone Rd.
Tallahassee, FL 32399-2400
Attn: curtis musson

Comments:

No preservatives needed.

Group A: Freshwater Nutrient Kit

Group B: E. coli

Group C: Organics (Wastewater Tracers)

Group D: PCR (markers)

Group E: Organics (Pesticides)

Group F: SCI

Requested Analyses:

Bottle Group: A

of Sites: 5

Container ID: P-1L

Qty: 5 Preservation: ICE

Lot # 00067304

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: 5 Preservation: ICE

Lot # 1196409

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-500ML

Qty: 5 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: 5 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: 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: C

of Sites: 5

Container ID: BG-1L

Qty: 5 Preservation: ICE

Lot # 00065867

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: D

of Sites: 5

Container ID: QPCR-P-250ML

Qty: 10 Preservation: ICE

Lot # 00066780

Description:

Analysis

PCR-FILTER

Description

Preparation of Samples by Filtration and held for qPCR Analysis

Bottle Group: E

of Sites: 1

Container ID: BG-500ML

Qty: 4 Preservation: ICE

Lot #

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

00065
00066845

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-40ML

Qty: 1 Preservation: ICE

Lot #

Description: Brown Glass Vial 40 mL

Affix BLUE dot to container.

00065867
00056700-UP

Analysis

W-GLYPH

Description

Glyphosate in water matrices by HPLC/MS/MS

Container ID: BG-1L

Qty: 4 Preservation: ICE

Lot #

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

00065867

Analysis

W-PSNP-TQ

Description

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

Container ID: BG-1L

Qty: 1 Preservation: ICE

Lot #

Description: Brown Glass Bottle 1L

00065867

Analysis

W-PYR-AA-R

Description

Pyraclostrobin in water matrices by HPLC/MS/MS

Bottle Group: F

of Sites: 1

Container ID: PJ-2L

Qty: 2 Preservation: Formalin

Lot # B10WASH

Description: Plastic Jar 2 L

Analysis

MI-FW-QLDC

Description

No. Taxa of FW macroinverts, qual samp, 20 dipnets.

Cooler Packed By: SR Date: 4-20-17

DEP Cooler ID #(s): 5 coolers

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-2017-04-24-13