



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: 4/26/2017
(mm/dd/yyyy)

STORET # G1WA0001

WBID: 1049

Latitude: 30.3110

County: Liberty

RQ - 2017-04-03-29

ORG ID: 21FLWQA

Longitude: -84.7651

(Decimal Degrees)

Receiving Body of Water: Telogia Creek

Field ID: G1WA0001_04262017

(Decimal Degrees)

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Curtis Musson								
Diana Turner								
Robert Wiwi								
Sarah Panch								

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#	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°)
EST	12:30	0.05	0.1	8.62	89.4	6.42	0.02	VOB	48	17.13
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	SA-6362030	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			

Notes: 1-KIT A, SCI, RPS/LVS

Big Branch 50
meters upstream
of CR 67

STORET ↓

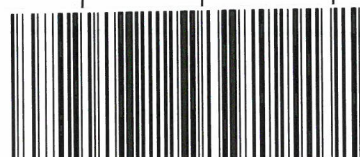


G1WA0001

Field ID →

Big Branch 50
meters upstream
of CR 67

April 26, 2017



G1WA0001_04262017

Signature:

Date:

4/26/17

Field Parameters Entered into LIMS: CM 4-27-17

(Initials/Date)

Field Parameters QC in LIMS:

(Initials/Date)

Date Migrated to STORET:

(Initials/Date)

Field Sheets Scanned/Saved:

(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- 2017-04-03-09

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	4/25/17	15:06	21.85	8.761	8.77	100.0	40.0	—	P	L
ICV	↓	↓	15:07	21.84	8.777	8.78	100.1	39.0	—	P	L
CCV	↓	4/26/17	14:05	23.44	8.448	8.43	98.9	40.0	—	P	L
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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Robert Wini	4/25/17	15:09	161111D	11/17	1000	1000	P	L
ICV	↓	↓	15:10	161111D	11/17	1000	1000	P	L
CCV	↓	4/26/17	14:07	170310E	3/18	100	103	P	L
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.	Robert Wini	4/25/17	15:11	161111B	5/18	7.0	7.00	-16.4	P	L
Calibr.	↓	↓	15:15	161111A	11/17	4.0	4.00	161.8	P	L
Calibr.	↓	↓	15:17	161111C	5/18	10.0	9.94	-176.4	P	L
ICV	↓	↓	15:19	170310A	3/18	4.0	3.90	164.2	P	L
CCV	↓	4/26/17	14:09	161111C	5/18	10.0	10.06	-182.7	P	L
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-2017-04-03-29

Requester: Curtis Musson

Field Report Prepared By: Curtis Musson
Sampling Agency: FDEP

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Collected By: Curtis Musson, Robert Wiwi

SMP
Customer: WQ-ASSESS
Project ID: SMP

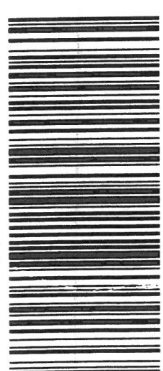
Collection (comp begin or grab)		Collection (comp begin or grab)		Collection (comp begin or grab)	
Comp	Grab	Comp	Grab	Comp	Grab
☐	☒	☐	☒	☐	☒
Matrix (Salt, Fresh)		Matrix (Salt, Fresh)		Matrix (Salt, Fresh)	
Fresh		Fresh		Fresh	
Temp (C)	16.88	Temp (C)	—	Temp (C)	—
Salinity (ppt)	0.01	Salinity (ppt)	—	Salinity (ppt)	—
Diss. Oxygen (mg/L)		Diss. Oxygen (mg/L)		Diss. Oxygen (mg/L)	
5.29		—		—	
pH		pH		pH	
4.62		—		—	
Sample Depts (m)		Sample Depts (m)		Sample Depts (m)	
0.1		—		—	
Sp. Conductance (umho/cm)		Sp. Conductance (umho/cm)		Sp. Conductance (umho/cm)	
28		—		—	
Comments		Comments		Comments	
		E. coli only			
Latitude (Decimal Degrees)		Latitude (Decimal Degrees)		Latitude (Decimal Degrees)	
Longitude (Decimal Degrees)		Longitude (Decimal Degrees)		Longitude (Decimal Degrees)	
Date		Date		Date	
4/26/17		4-26-17		4-26-17	
Time		Time		Time	
11:42		11:42		12:30	
Bottle Group(s)		Bottle Group(s)		Bottle Group(s)	
A		C		A, C D, E	

STORET ↓



Big Branch
Down Stream
of Road 5

Field ID → G2WA0001



Big Branch

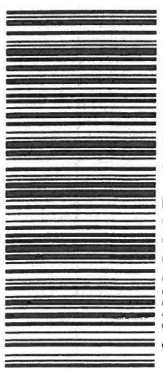
April 26, 2017 G2WA0001_04262017

STORET ↓



Coon Creek 100
meters upstream
of CR 69

Field ID → G2WA0005



Coon Creek 100
meters upstream
of CR 69

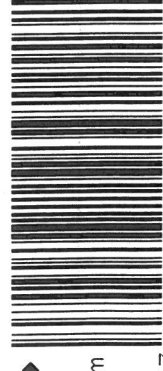
April 26, 2017 G2WA0005_04262017

STORET ↓



Big Branch 50
meters upstream
of CR 17

Field ID → G1WA0001



Big Branch 50
meters upstream
of CR 17

April 26, 2017 G1WA0001_04262017

Relinquished By: <u>Curtis Musson</u>	Date/Time: <u>4-26-17</u>	Number of Coolers: <u>1</u>	Received By: <u>[Signature]</u>	Date/Time: <u>4/26/17</u>
---------------------------------------	---------------------------	-----------------------------	---------------------------------	---------------------------

Group: A	Bottle Type: ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: A	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 2	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: 2	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
Group: A	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 2	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: MI-FW-QLDC	PJ-2L	# of Bottles: 2	Preservative:	Formalin	Enter Number of Bottles Sent to Lab	6
Group: C	Bottle Type: ECOLI-18QT	P-250ML-WO-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: D	Bottle Type: W-AHERB-AA W-SUC-AA-R W-UHERB-AA	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

Cooler Packing Worksheet for Request: RQ-2017-04-03-29

Big Branch (1), Big Branch (2), Coon Creek

Ship Cooler On: 3/30/2017

Customer/Project: WQ-ASSESS/SMP

Assigned To: KITCHEN_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 Kit

Group B: SCI

Group C: E. coli

Group D: Organics (Tracers)

Group E: PCR (Markers)

No FedEx labels needed, samples will be dropped off

Requested Analyses:

Bottle Group: A

of Sites: 2

Container ID: P-1L

Qty: 2 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: 2 Preservation: ICE

Lot # 1191091

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 # 00066885

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: PJ-2L

Qty: 2 Preservation: Formalin

Lot # B10WAST

Description: Plastic Jar 2 L

Analysis

MI-FW-QLDC

Description

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

Bottle Group: C

of Sites: 2

Container ID: P-250ML-WO-THI

Qty: 2 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

Container ID: BG-1L

Qty: 1 Preservation: ICE

Lot # 00063110
00065591

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 # 00068789

Description:

Analysis

PCR-FILTER

Description

Preparation of Samples by Filtration and held for qPCR Analysis

Cooler Packed By: SK

Date: 3-30-17

DEP Cooler ID #(s): 2 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-2017-04-03-29