



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

PAGE 1 OF 10

Data Qualified?

Yes / No

March 2017

Location/STORET Station Name: Big Branch 50 meters upstream of CR 67

Date: 05/24/2017

(mm/dd/yyyy)

STORET # G1WA0001

WBID: 1049

Latitude: 30.3110

(Decimal Degrees)

County: Liberty

RQ: 2017-05-22-25

ORG ID: 21FLWQA

Longitude: -84.7651

(Decimal Degrees)

Receiving Body of Water: Ochlockonee River

Field ID: G1WA0001_05242017

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 / Normal / High / Flooded	Matrix:	Fresh / Marine / DI
Meter ID# Biology 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	1:40pm	0.13	0.25	Field parameters not collected -						
CEN				bact - only collected						

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			☐ <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-CI-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 ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			

Notes:

FW Bact Tracers Markers
Big Branch 50 meters upstream of CR 67

STORET ↓



G1WA0001

Field ID →

Big Branch 50 meters upstream of CR 67

May 24, 2017



G1WA0001_05242017

Signature:

Date:

5/24/17

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)

(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 name.

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 mhos/cm	Meter Reading μ mhos/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

Big Branch, Stafford, Coon, Stone Mill

Customer: WQ-ASSESS

Project ID: SMP

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Requester: Curtis Musson

Field Report Prepared By: DD
Sampling Agency: FDEP

Collected By: Ben Talys & Diana Turner

Field ID →

3ig Branch £0
meters upstream
of CR 67

May 24, 2017

G1WA0001_05242017

STORET ↓

Big Branch 50
meters; upstream
of CR 67

G1WA0001

Field ID →

31g Branch
Downstream
of Road 5
May 24, 2017

G2WA0010_05242017

Big Branch
Downstream
of Road 5

STORE ↓

G2WA0010

Field IC →
Stafford Creek
100 meter; s
upstream of
SR 69
May 24, 2017

☐ Comp ☒ Grab		Collection (comp begin or grab) Date	Time	Eastern Central	Collection (comp begin or grab) Date	Time	Bottle Group(s)
Matrix (Salt, Fresh) Fresh		Diss. Oxygen (mg/L)					
Temp (C)	pH	Sample Depts (m)			Sp. Conductance (umho/cm)		
Salinity (ppt)	Comments						
Latitude (Decimal Degrees) 30.3110		Longitude (Decimal Degrees) -84.7651					
☐ Comp ☒ Grab	Collection (comp begin or grab) Date	Time <td>Eastern Central</td> <td>Collection (comp begin or grab) Date</td> <td>Time</td> <td>Bottle Group(s)</td>	Eastern Central	Collection (comp begin or grab) Date	Time	Bottle Group(s)	
Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)						
Temp (C)	pH	Sample Depts (m)			Sp. Conductance (umho/cm)		
Salinity (ppt)	Comments						
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)					
☐ Comp ☒ Grab	Collection (comp begin or grab) Date	Time	Eastern Central	Collection (comp begin or grab) Date	Time	Bottle Group(s)	
Matrix (Salt, Fresh) Fresh	Diss. Oxygen (mg/L)	9.24				A, B, C,	
Temp (C)	pH	7.06			Sp. Conductance (umho/cm)	F	
Salinity (ppt)	Comments						
Latitude (Decimal Degrees) 30.4991		Longitude (Decimal Degrees) -85.0427					
Number of Coolers 2		Received By: [Signature]		Date/Time 5-24-17		Bottle Group(s) 1455	

Relinquished By:		Number of Coolers		Received By:		Date/Time	
Diane Turner		2		APD		5-24-17 1455	
Date/Time		5/24/17 2:55pm					

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: W-ICP W-ICPMS	P-500ML	# of Bottles: 1	Preservative: HNO3	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: ECOLI-18QT	P-250ML-WO-THI	# of Bottles: 3	Preservative: ICE	Enter Number of Bottles Sent to Lab	4
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
Group: F	Bottle Type: W-CT-CI-R W-PCL-SQ-R	BG-500ML	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab	4

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 # 55067591

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