



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

October 2016

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Data Qualified?
Yes / No

STORET Station Name: Tanyard Branch 100 meters upstream of Ralph Strong Date: 12/8/2016

STORET Station ID: G1WA0005 WBID: 595 Latitude: 30.5832 (mm/dd/yyyy)

County: Gadsden RQ - 2016-12-05-67 ORG ID: 21FLWQA Longitude: -84.5519 (Decimal Degrees)

Receiving Body of Water: Little River Field ID: G1WA0005 1262016 (Decimal Degrees)

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
Ben Ralye Diana Turner				X	X			X	☐ Sample Container	☐ Van Dorn	☐ Pole	
Curtis Musson					X	X	X		☐ Carboy	☒ Syringe		
									☐ Dipper	☐ Other		
									Equipment ID			
									Collection Method			
									☒ Wading			
									☐ From Shore			
									☐ Other (note below)			
									☐ Via Boat			
									☐ Canoe/Kayak			
									☐ Electric Motor			
									☐ Gasoline Motor			
Water Level: Dry / 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	12:20 PM	0.15	0.3	7.57	75.8	7.04	0.09	103	123	15.48		
CEN												
Biological Samples Collected: None HA SCI LVS RPS LVI Other												
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		1209120	7/27/16	☒ <2		
Metals		☐ W-ICPMS ☐ W-ICP				☐ Ice ☐ HNO2				☐ <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-CH-IC / ☒ W-COLOR / ☒ W-SO4-IC / ☒ W-TDS				☒ Ice						
Physical/Aggregate (Marine)		☐ Alkalinity / ☐ W-F / ☐ W-TSS / ☐ TURBIDITY				☐ Ice						
Macroinvertebrates		☐ MI-FW-QLDC				☐ Formalin						
Microbiology		☐ E Coli ☐ F Coli ☐ Enterococcus ☐ QPCR				☐ Ice						
Periphyton		☐ ALGAE-ID				☐ Ice						
Pesticides		☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R				☐ Ice						
		☐ W-PC-AA-SF ☐ W-UHERB-AA ☐ W-GLYPH				☐ Other						

Notes:

Tanyard Branch 100 meters upstream of Ralph Strong Rd.

STORET ↓



G1WA0005

Field ID: →
Tanyard Branch
100 meters
upstream of Ralph
Strong Rd.
Dec 06, 2016



G1WA0005-1262016

Signature:

Diana Turner

Date:

12/8/16

Field Parameters Entered into LIMS:

Cm 12/9/16

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- 2016-12-05-67

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.	Curtis Mussen	12/8/16	0717	20.35	7.03	7.03	100.0	52.3	—	P	LAB
ICV	Curtis Mussen	12/8/16	0729	20.35	7.03	7.00	100.0	53.3	—	P	LAB
CCV	Curtis Mussen	12/8/16	1347	20.00	7.09	9.25	101.7				
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.	Curtis Mussen	12/8/16	7:24	160330D	04/2017	1000	1000	P	LAB
ICV	Curtis Mussen	12/8/16	7:23	160330D	04/2017	1000	1000	P	LAB
CCV	Curtis Mussen	12/8/16	13:49	161411G	05/2017	100	101	P	LAB
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.	Curtis Mussen	12/8/16	7:25	161111B	5/2018	7.0	7.00	-22.8	P	LAB
Calibr.	Curtis Mussen	12/8/16	7:27	161111A	4/2017	4.0	4.01	+186.8	P	LAB
Calibr.	Curtis Mussen	12/8/16	7:30	160330C	10/2017	10.0	9.95	-186.9	P	LAB
ICV	Curtis Mussen	12/8/16	7:32	160330C	10/2017	10.0	9.95	-187.0	P	LAB
CCV	Curtis Mussen	12/8/16	13:50	161111A	11/2017	4.0	4.05	151.7	P	LAB
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 $\pm$ 50;

mV pH 4 Range +180 $\pm$ 50;

mV pH 10 Range -180 $\pm$ 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-2016-12-05-87
Soapstone Branch, Central Drainage Ditch
Customer: WQAP
Project ID: SMP

Requester: Benjamin Ralys

Collected By: Curtis Moxson, Diane Turner

Page 1 of 2
Field Report Prepared By: Diana Turner
Sampling Agency: FDEP

☐ Comp ☒ Grab		Collection (comp begin or grab)		Bottle Group(s)	
Date	Time	Eastern Central	Date	Time	
12/8/16	9:05 AM				
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)	Diss. Oxygen (% Sat)	Sample Depts (m)	Sp. Conductance (umho/cm)
Fresh		7.10	73.3	0.15	149
Temp (C)	pH				
16.71	7.58				
Salinity (ppt)	Comments				
0.07					
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)			
30.4095		-84.3073		A, B	

☐ Comp ☒ Grab		Collection (comp begin or grab)		Bottle Group(s)	
Date	Time	Eastern Central	Date	Time	
12/8/16	8:20 AM				
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)	Diss. Oxygen (% Sat)	Sample Depts (m)	Sp. Conductance (umho/cm)
Fresh		7.14	77.0	0.15	91
Temp (C)	pH				
18.96	6.9				
Salinity (ppt)	Comments				
0.04					
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)			
30.4544		-84.2204		A	

☐ Comp ☒ Grab		Collection (comp begin or grab)		Bottle Group(s)	
Date	Time	Eastern Central	Date	Time	
12/8/16	11:00 AM				
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)	Diss. Oxygen (% Sat)	Sample Depts (m)	Sp. Conductance (umho/cm)
Fresh		6.54	63.3	0.15	81
Temp (C)	pH				
13.89	6.55				
Salinity (ppt)	Comments				
0.04					
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)			
30.2792		-84.3858		A	

STORET ↓

 G1WA0026
 Field ID →
 Central Drainage Ditch downstream of Orange Ave.
 Dec 08, 2016

STORET ↓

 G1WA0007
 Field ID →
 Lake Lafayette Drain 250 meters downstream of Weems Rd.
 Dec 08, 2016

STORET ↓

 G1WA0023
 Field ID →
 Black Creek upstream of Bloxham Cutoff
 Dec 08, 2016

Relinquished By: Diana Turner
 Date/Time: 12/8/16 / 1:27 pm
 Number of Coolers: 2
 Received By: SK
 Date/Time: 12-8-16 / 1:29

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Request Number: RQ-2016-12-05-67

Soapstone Branch, Central Drainage Ditch

Customer: WQAP

Project ID: S1P

Requester: Benjamin Rayls

Central Lab Sample Submittal Form

Page 2 of 2

Field Report Prepared By: Diana Turner
Sampling Agency: FDEP

Collected By: Curtis Mussen, Diana Turner

Collection (comp begin or grab)		Collection (comp begin or grab)		Collection (comp begin or grab)	
Comp	Grab	Time	Date	Eastern	Central
☐	☒	12:20 pm	12/8/16		
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)	75.9	Sp. Conductance (umho/cm)	
Fresh		pH	7.04	123	
Temp (C)		15.48			
Salinity (ppt)		0.09			
Latitude (Decimal Degrees)		30.5832		Longitude (Decimal Degrees)	
				-84.5519	
Collection (comp begin or grab)		Collection (comp begin or grab)		Collection (comp begin or grab)	
Comp	Grab	Time	Date	Eastern	Central
☐	☐				
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)		Sp. Conductance (umho/cm)	
		pH			
Temp (C)					
Salinity (ppt)					
Latitude (Decimal Degrees)				Longitude (Decimal Degrees)	
Collection (comp begin or grab)		Collection (comp begin or grab)		Collection (comp begin or grab)	
Comp	Grab	Time	Date	Eastern	Central
☐	☐				
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)		Sp. Conductance (umho/cm)	
		pH			
Temp (C)					
Salinity (ppt)					
Latitude (Decimal Degrees)				Longitude (Decimal Degrees)	

NOT COLLECTED

DT 12/8/16

STORET ↓



Tanyard Branch 100 meters upstream of Ralph Strong Rd.

G1WA0005

Field ID: Tanyard Branch 100 meters upstream of Ralph Strong Rd.



G1WA0005-12062016

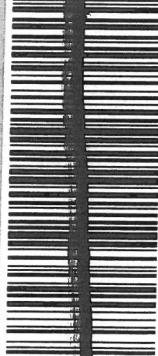
STORET ↓



Soapstone Branch 100 meters upstream of SR 375

G1WA0012

Field ID: Soapstone Branch 100 meters upstream of SR 375



G1WA0012-12062016

Relinquished By: Diana Turner	Date/Time: 12-8-16 / 1:29
Received By: SK	Date/Time: 12-8-16 / 1:29
Number of Coolers: 2	

Group: A	Bottle Type: P-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-TDS W-TSS						
Group: A	Bottle Type: BP-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
CHLSUITE-W						
Group: A	Bottle Type: P-500ML	# of Bottles: 5	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	4
W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC						
Group: A	Bottle Type: P-125ML	# of Bottles: 5	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	4
W-PO4-F						

Group B Algae ID 2

Cooler Packing Worksheet for Request: RQ-2016-12-05-67
Soapstone Branch, Central Drainage Ditch, Lake Lafayette Drain and Black Creek

Ship Cooler On: 12/2/2016
Customer/Project: WQAP/SMP

Requester: Benjamin Ralys
Priority: 3

850-245-8443
2600 Blair Stone Rd
MS #3560
Tallahassee, FL 32399-2400
Attn: Benjamin Ralys

Comments:

No preservatives needed.

Bottle Group A: freshwater kit no metals
Bottle Group B: Algal

Requested Analyses:

Bottle Group: A

of Sites: 5

Container ID: P-1L

Qty: 5 Preservation: ICE

Lot # 00062304 (1)
00062637 (2)
00053886 (2)

Description: Plastic Bottle 1L

Analysis

ALKALINITY
TURBIDITY
W-CL-IC
W-COLOR
W-F
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)
Total Dissolved Solids in aqueous matrices
Total Suspended Solids in aqueous matrices

Container ID: BP-1L

Qty: 5 Preservation: ICE

Lot # 1170333 (3)
1110653 (2)

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 # 00062785 (2)

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

00058661 (2)
00063035 (1)

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 # 00064310 (2)

Description: Plastic Bottle 125 mL

000058697 (2)
00058668 (1)

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Cooler Packed By: _____ Date: _____

DEP Cooler ID #(s): _____

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-2016-12-05-67