



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

June 2016

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Data Qualified?

Yes / No

Daph

STORET Station Name: Soapstone Branch 100 meters upstream of SR 375

Date: 09/19/2016

(mm/dd/yyyy)

STORET Station ID: G1WA0012

WBID: 985

Latitude: 30.38625

(Decimal Degrees)

County: Leon

RQ - 2016-09-19-42

ORG ID: 21FLWQA

Longitude: -84.6355

(Decimal Degrees)

Receiving Body of Water: OCHLOCKONEE RIVER

Field ID: G1WA0012-09192016

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
Curtis Musson				X	X				☒ Sample Container	☐ Van Dorn	☐ Pole	
Jon Woods						X	X	X	☐ 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 / Low / <u>Normal</u> / High / Flooded				Matrix: <u>Fresh</u> / Marine / DI								
Meter ID# <u>Bio #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 (umhos/cm)	Temp. (C°)		
<u>EST</u>	<u>11:5</u>	<u>0.3</u>	<u>0.5</u>	<u>4.91</u>	<u>58.7</u>	<u>4.7</u>	<u>0.02</u>	<u>0.4</u>	<u>39</u>	<u>24.3</u>		
CEN												
Biological Samples Collected: <u>None</u> 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		<u>SAB20940</u>	<u>7/17</u>	<u><2</u>		
Metals		☒ W-ICPMS ☐ W-ICP				☐ Ice ☐ HNO2				☐ <2		
Filtered Nutrients		☒ W-PO4-F ☒ Field Filtered 0.45 um Filter				☒ Ice		Place Preservative Sticker(s) Here (If Available)				
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						
Microbiology		☐ E Coli ☐ F Coli ☐ Entero ☐ QPCR				☐ Ice						
Periphyton		☐ ALGAE-ID				☐ Ice						
Pesticides		☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-PC-AA-SF ☐ W-UHERB-AA ☐ W-GLYPH				☐ Ice ☐ Other						

Notes:



G1WA0012 19 Sept 2016

Soapstone Branch 100 meters upstream of SR 375

Signature: Curtis MussonDate: 9-19-2016Field Parameters Entered into LIMS: Cm 9-20-2016

(Initials/Date)

Field Parameters QC in LIMS:

(Initials/Date)

Date Migrated to STORET:

(Initials/Date)

Field Sheets Scanned/Saved: 9-20-16 Cm

(Initials/Date)

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

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

Do
ph

Meter Biology 2 RQ- 2016-09-19-42 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 06/03/2016

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	9/19/16	0716	29.85	8.915	8.92	100.0	46.1	—	P	LAB
ICV	Curtis Mussen	9/18/16	0717	29.96	8.915	8.95	100.3	46.1	—	P	LAB
CCV	Curtis Mussen	9/19/16	1620	29.54	8.660	9.51	109.7	47.1	—	F	LAB
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.	Curtis Mussen	9/19/16	7:20	160330B	4/24/17	1000	1000	P	LAB
ICV	Curtis Mussen	9/19/16	7:4	160330D	4/24/17	1000	1001	P	LAB
CCV	Curtis Mussen	9-19-16	1622	2601533	12-2017	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	9/19/16	0723	160330B	10/24/17	7.0	7.0	-8.0	P	L
Calibr.	Curtis Mussen	9/19/16	0726	160330A	4/24/17	4.0	4.0	157.1	P	L
Calibr.	Curtis Mussen	9/19/16	728	160330C	10/24/17	10.0	9.98	-164.8	P	L
ICV	Curtis Mussen	9/19/16	730	160330A	4/24/17	4.0	3.96	+158.0	P	L
CCV	Curtis Mussen	9-19-16	1623	160330C	10/24/17	10.0	10.45	-191.3	Fail	LAB
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

Godby Ditch, Soapstone Branch and Munson Slough

Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: WQAP

Requester: Benjamin Ralys

Field Report Prepared By: Jon Woods

Project ID: SMP

Collected By: Curtis Musson / Jon WoodsSampling Agency: FOEP

Location <u>Alford Arm Trib. @ Buck Lake rd.</u>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>9/19/16</u> Time <u>921</u>		☒ Eastern ☐ Central	Composite end Date _____ Time _____		Bottle Group(s) (See pg 2)
Field ID <u>G1WA0017-09192016</u>		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen <u>0.87</u> ☒ mg/L <u>10.7</u> ☒ % sat	Total Res. Chlorine (mg/L)		A	
STORET # <u>G1WA0017</u>		Temp (C) <u>26.3</u>	pH <u>6.1</u>	Sample Depth <u>0.3</u> ☐ ft ☒ m	Sp. Conductance (umho/cm) <u>43</u>			
Latitude <u>30.46363</u> ☒ dd ☐ dms	Longitude <u>-84.17115</u> ☒ dd ☐ dms	Salinity (ppt) <u>0.02</u>	Comments					
Location <u>Godby Drainage Ditch @ Vega Dr.</u>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>9/19/16</u> Time <u>1015</u>		☒ Eastern ☐ Central	Composite end Date _____ Time _____		Bottle Group(s)
Field ID <u>G1WA0025-09192016</u>		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen <u>8.46</u> ☒ mg/L <u>105.4</u> ☒ % sat	Total Res. Chlorine (mg/L)		A	
STORET # <u>G1WA0025</u>		Temp (C) <u>26.6</u>	pH <u>7.4</u>	Sample Depth <u>0.15</u> ☐ ft ☒ m	Sp. Conductance (umho/cm) <u>67</u>			
Latitude <u>30.46341</u> ☒ dd ☐ dms	Longitude <u>-84.33479</u> ☒ dd ☐ dms	Salinity (ppt) <u>0.04</u>	Comments					
Location <u>Soapstone Branch 100m upstream SR 375</u>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>9/19/16</u> Time <u>1115</u>		☒ Eastern ☐ Central	Composite end Date _____ Time _____		Bottle Group(s)
Field ID <u>G1WA0012-09192016</u>		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen <u>4.91</u> ☒ mg/L <u>58.7</u> ☒ % sat	Total Res. Chlorine (mg/L)		A	
STORET # <u>G1WA0012</u>		Temp (C) <u>24.3</u>	pH <u>4.7</u>	Sample Depth <u>0.3</u> ☐ ft ☒ m	Sp. Conductance (umho/cm) <u>39</u>			
Latitude <u>30.38625</u> ☒ dd ☐ dms	Longitude <u>-84.6355</u> ☒ dd ☐ dms	Salinity (ppt) <u>0.02</u>	Comments					
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date _____ Time _____		☐ Eastern ☐ Central	Composite end Date _____ Time _____		Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)			
STORET #		Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)			
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments					

Relinquished By: <u>Curtis Musson</u>	Date/Time <u>9/19/2016 12:41</u>	Shipping Method <u>DROP OFF</u>	Number of Coolers Shipped: <u>1</u>	Received By: <u>RW</u>	Date/Time <u>9/19/16/1215P</u>
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Cooler Packing Worksheet for Request: RQ-2016-09-19-42

Godby Ditch, Soapstone Branch and Munson Slough

Ship Cooler On: 9/15/2016

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 kits no metals

Bottle Group B: SCI

Bottle Group C: Algal ID

Requested Analyses:

Bottle Group: A

of Sites: 3

Container ID: P-1L

Qty: 3 Preservation: ICE

Lot # 00065181

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: 3 Preservation: ICE

Lot # 1172350

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-500ML

Qty: 3 Preservation: ICE And H2SO4

Lot # 00065372

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: 3 Preservation: ICE-FLTR

Lot # 00065781

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: 2

Container ID: PJ-2L

Qty: 4 Preservation: Formalin

Lot # BLOW/ASH

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: PT-50ML

Qty: 2 Preservation: ICE

Lot # 430897

Description: Plastic Tube 50 mL

Analysis

ALGAL_ID

Description

Qualitative assessment of algal taxa present without counts

