



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

June 2016

PAGE 1 OF 8

Data Qualified?

Yes / No

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

Date: 10/20/2016

(mm/dd/yyyy)

STORET Station ID: G1WA0012

WBID: 985

Latitude: 30.38625

(Decimal Degrees)

County: Leon

RQ - 2016-10-17-54

ORG ID: 21FLWQA

Longitude: -84.6355

(Decimal Degrees)

Receiving Body of Water: Wakulla Springs

Field ID: G1WA0012-10192016

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
Curtis Musson		X	X	X			☒ Sample Container	☐ Van Dorn	☐ Pole		
Diana Turner					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 / <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°)	
<u>EST</u>	11:30	0.15	0.3	3.76	41.0	6.93	0.04	VOB	92	19.62	
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		6209120	7/27/17	☒ <2	
Metals		☐ W-ICPMS ☐ W-ICP				☐ Ice ☐ HNO2				☐ <2	
Filtered Nutrients		☒ W-PO4-F ☐ Field Filtered 0.45 µm Filter				☐ Ice		Contains 1:1 Sulfuric Acid SA-6209120 EXP: 07/27/17 Warning! See SDS			
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					
Microbiology		☐ E Coli ☐ F Coli ☐ Enteroc ☐ 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:

Field ID →
Soapstone Branch
100 meters
upstream
of SR 375
Oct 20 2016
Oct 19, 2016



G1WA0012-10192016

STORET ↓
Soapstone Branch
100 meters upstream
of SR 375



G1WA0012

Signature:

Curtis Musson

Date:

10/20/2016

Field Parameters Entered into LIMS:

10/24/16

(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 node.

Meter **Biology #2** RQ- **2016-10-17-54** 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	10/20/16	7:12	22.0	8.244	8.75	100	33.9	—	P	LAB
ICV	Curtis Mussen	10/20/16	7:14	22.0	8.727	8.87	33.9	33.9	—	P	LAB
CCV							110.8				
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	10/20/16	7:32	160330D	4/20/17	1000	1000	P	LAB
ICV	Curtis Mussen	10/20/16	7:34	160330D	4/20/17	1000	1001	P	LAB
CCV	Curtis Mussen	10/21/16	8:49	2510F25	6/20/17	100	101	P	LAB
CCV				2510F25					

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	10/20/16	7:42	160330B	10/20/17	7.0	7.00	-29.7	P	L
Calibr.	Curtis Mussen	10/20/16	7:46	160330A	04/20/17	4.0	4.01	156.8	P	L
Calibr.	Curtis Mussen	10/20/16	7:49	160330C	10/20/17	10.0	9.98	189.9	P	L
ICV	Curtis Mussen	10/20/16	7:50	160330C	10/20/17	10.0	9.97	189	P	L
CCV	Curtis Mussen	10/21/16	8:52	160330A	4/20/17	4.0	4.02	154	P	L
CCV										

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

mV pH 10 Range -180 ± 50 ;

Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

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

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

Do

Cal. Curtis Mussen

10/20/16

7:52

Chart	Meter		Pass (Fail)
	ms/L	% Sat	
Trap 2213	8.72	100.0	LAB PASS

CCV

Curtis Mussen

10/20/2016

7:54

Trap	Chart	ms/L	%	LAB PASS
22,06	8.727	8.71	99.7	

CCV

Curtis Mussen

10/21/2016

8:46

Temp

21.20

Chart

8.710

Meter
ms/L

8.95

% Sat

100.7

LAB

PASS

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WQAP

Requester: Benjamin Ralys

Project ID: SMP

Field Report Prepared By:

Collected By: Curtis Musson, Diana Turner

Sampling Agency:

Location		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	STREET #	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	mg/L	% sat	Total Res. Chlorine	(See pg 2)
☐ Comp Grab ☒ Grab							
Harbinwood Estates Drain		Date 10/20/2016 Time 8:45		Date		Time	
G1WA0034 - 10192016		Fresh		3.05		112	
G1WA0034		pH 7.07		Sample Depth 0.05		Sp. Conductance (umho/cm) 112	
Latitude 30.5193 Longitude -84.3357		Salinity (ppt) 0.05		ft m		A	
☐ Comp Grab ☒ Grab							
Godby Drainage Ditch at Vega Dr		Date 10/20/2016 Time 10:05		Date		Time	
G1WA0025 - 10192016		Fresh		6.61		165	
G1WA0025		pH 7.60		Sample Depth 0.125		Sp. Conductance (umho/cm) 165	
Latitude 30.46341 Longitude -84.33479		Salinity (ppt) 0.08		ft m		B	
☐ Comp Grab ☒ Grab							
Soapstone Branch 100m upstream of SR 375		Date 10/20/2016 Time 11:30		Date		Time	
G1WA0012 - 10292016		Fresh		3.76		92	
G1WA0012		pH 6.93		Sample Depth 0.15		Sp. Conductance (umho/cm) 92	
Latitude 30.38625 Longitude -84.6355		Salinity (ppt) 0.04		ft m		B	
☐ Comp Grab ☒ Grab							
Eight Mile Pond Middle		Date 10/20/2016 Time 12:20		Date		Time	
G1WA0024 - 10192016		Fresh		7.94		77	
G1WA0024		pH 7.37		Sample Depth 0.15		Sp. Conductance (umho/cm) 77	
Latitude 30.32635 Longitude -84.30273		Salinity (ppt) 0.03		ft m		B	

Relinquished By: Diana Turner Date/Time 10/20/2016 12:57 Shipping Method Drop-off

Number of Coolers Shipped: 2

Received By: [Signature]

Date/Time 10.20.16 12:57

Cooler Packing Worksheet for Request: RQ-2016-10-17-54
Eight Mile Pond, Soapstone Branch, Godby Ditch and Harbinwood Estates Drain

Ship Cooler On: 10/19/2016
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 including metals

Bottle Group B: freshwater kits no metals

Bottle Group C: Algal ID

Requested Analyses:

Bottle Group: A

of Sites: 1

Container ID: P-1L

Qty: 1 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: 1 Preservation: ICE

Lot # 1181694

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-500ML

Qty: 1 Preservation: HNO3

Lot # 00065372

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

Container ID: P-500ML

Qty: 1 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: 1 Preservation: ICE-FLTR

Lot # 00065393

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: 3

Container ID: P-1L

Qty: 3 Preservation: ICE

Lot # 00065578

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 # 1181694

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 # 00065393

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

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

Cooler Packed By: DRC Date: 10/18/16
DEP Cooler ID #(s): 1 cooler

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle (1 per cooler)
- NA ☐ 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-2016-10-17-54