



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

October 2016

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Data Qualified?

Yes / No

STORET Station Name: Lake Lafayette Drain 250 meters downstream of Weems Rd Date: 12/6/2016

STORET Station ID: G1WA0007 WBID: 7561 Latitude: 30.4544

(Decimal Degrees)

County: Leon RQ - 2016-12-05-67 ORG ID: 21FLWQA Longitude: -84.2204

(Decimal Degrees)

Receiving Body of Water: Lake Lafayette Field ID: G1WA0007 1262016

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment									
-Ben Ralys <u>Diana Turner</u>											☐ Sample Container ☐ Carboy ☐ Dipper	☐ Van Dorn ☒ Syringe ☐ Other	☐ Pole	Equipment ID						
Curtis Musson											Collection Method									
											☒ Wading ☐ From Shore ☐ Other (note below)	Via Boat								
														☐ Canoe/Kayak ☐ Electric Motor ☐ Gasoline Motor						
Water Level: Dry / Low / <u>Normal</u> / High / Flooded											Matrix: <u>Fresh</u> / Marine / DI									
Meter ID# Biology #2											Photos: Yes / No					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>	<u>8:20</u>	<u>0.15</u>	<u>0.3</u>	<u>7.14</u>	<u>77.0</u>	<u>6.9</u>	<u>0.04</u>	<u>VOB</u>	<u>91</u>	<u>18.96</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>6209120</u>	<u>07/27/17</u>	☒ <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 ☐ Enterococcus ☐ 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: Lake Lafayette Drain 250 meters downstream of Weems Rd G1WA0007		Field ID: <u>G1WA0007-1262016</u> Lake Lafayette Drain 250 meters downstream of Weems Rd Dec 06, 2016 G1WA0007-1262016	
Signature: <u>Diana Turner</u>		Date: <u>12/8/16</u>	

Field Parameters Entered into LIMS: CM 12/9/16

(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 name.

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	07:17	20.35	9.03	7.03	100.0	52.3	—	P	LAB
ICV	Curtis Mussen	12/8/16	07:29	20.35	9.03	9.02	100.0	53.3	—	P	LAB
CCV	Curtis Mussen	12/8/16	13:47	20.00	9.09	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	16141 G	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	+156.8	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	4.01	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 Mussen, Diana Turner

Field Report Prepared By: Diana Turner
Sampling Agency: FDEP

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STORET ↓

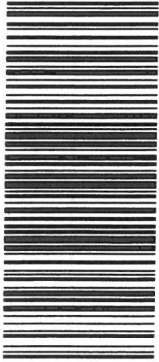
Central Drainage
Ditch downstream
of Orange Ave.



G1WA0026

Field ID →

Central Drainage
Ditch downstream
of Orange Ave.



G1WA0026-12062016

Dec 08, 2016

Lake Lafayette Drain

250 meters
downstream of
Weems Rd

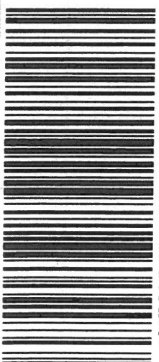
STORET ↓



G1WA0007

Field ID →

Lake Lafayette
Drain 250 meters
downstream of
Weems Rd



G1WA0007-12062016

Dec 08, 2016

Black Creek
upstream of
Bloxxham Cutoff

STORET ↓



G1WA0023

Field ID →

Black Creek
upstream of
Bloxxham Cutoff



G1WA0023-12062016

Dec 08, 2016

Collection (comp begin or grab)		Collection (comp begin or grab)		Collection (comp begin or grab)	
Date	Time	Date	Time	Date	Time
12/8/16	9:05 AM	12/8/16	8:20 AM	12/8/16	11:00 AM
Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)	Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)	Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)
Fresh	7.10	Fresh	7.14	Fresh	6.54
Temp (C)	pH	Temp (C)	pH	Temp (C)	pH
16.71	7.58	18.96	6.9	13.89	6.55
Salinity (ppt)	Comments	Salinity (ppt)	Comments	Salinity (ppt)	Comments
0.07		0.04		0.04	
Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)
30.4095	-84.3073	30.4544	-84.2204	30.2792	-84.3858

Bottle Group(s)

A, B

Bottle Group(s)

A

Bottle Group(s)

A

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: Ship

Requester: Benjamin Ralys
Collected By: Curtis Muzzon, Diana Turner

Central Lab Sample Submittal Form

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

☐ Comp ☒ Grab		Collection (comp begin or grab) Time Date 12:20 pm 12/8/16		Collection (comp begin or grab) Eastern Central Date		Bottle Group(s)	
Matrix (Salt, Fresh) Fresh		Diss. Oxygen (mg/L) 7.57		Diss. Oxygen (% Sat) 75.9			
Temp (C) 15.48		pH 7.04		Sample Depts (m) 0.15		Sp. Conductance (umho/cm) 123	
Salinity (ppt) 0.09		Comments					
Latitude (Decimal Degrees) 30.5832		Longitude (Decimal Degrees) -84.5519					
☐ Comp ☐ Grab		Collection (comp begin or grab) Time Date		Collection (comp begin or grab) Eastern Central Date		Bottle Group(s)	
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)		Diss. Oxygen (% Sat)			
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) Time Date		Collection (comp begin or grab) Eastern Central Date		Bottle Group(s)	
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)		Diss. Oxygen (% Sat)			
Temp (C)		pH		Sample Depts (m)		Sp. Conductance (umho/cm)	
Salinity (ppt)		Comments					
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)					

NOT COLLECTED
DT 12/8/16

STORET ↓

Tanyard Branch 100 meters upstream of Ralph Strong Rd.

Field ID: →

Tanyard Branch 100 meters upstream of Ralph Strong Rd.

Dec 08, 2016

G1WA0005-12062016

STORET ↓

Soapstone Branch 100 meters upstream of SR 375

Field ID: →

Soapstone Branch 100 meters upstream of SR 375

Dec 08, 2016

G1WA0012-12062016

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

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)

Description: Plastic Bottle 1L

00062637 (2)
00058886 (2)

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)

Description: Brown Plastic Bottle 1L

1110653 (2)

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)
00058661 (2)
00063035 (1)

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: 5 Preservation: ICE-FLTR

Lot # 00064310 (2)
00058697 (2)
00058668 (1)

Description: Plastic Bottle 125 mL

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