



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

October 2016

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Data Qualified?
Yes / No

STORET Station Name: Caney Creek Upstream of US 90

Date: 11/16/2016

(mm/dd/yyyy)

STORET Station ID: G1WA0014

WBID: 716

Latitude: 30.5325

(Decimal Degrees)

County: Jefferson RQ - 2016-11-14-39

ORG ID: 21FLWQA

Longitude: -83.9501

(Decimal Degrees)

Receiving Body of Water: lake miccosukee

Field ID: G1WA0014-11162016

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Curtis Musson						X	X	X	X
Robert Wiwi					X			X	X

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ 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# <u>Biologi HZ</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 (µmhos/cm)	Temp. (C°)				
<u>EST</u>	<u>12:00</u>	<u>0.1</u>	<u>0.2</u>	<u>16.41</u>	<u>11.8</u>	<u>7.55</u> <u>7.44</u>	<u>0.04</u>	<u>103</u>	<u>92</u>	<u>14.41</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>7/27/17</u>	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP					☒ Ice ☒ HNO3	<u>6218060</u>	<u>8/5/17</u>	☒ <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					☐ Field ID →			
Periphyton	☐ ALGAE-ID					☐ Caney Creek			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-PC-AA-SF ☐ W-UHERB-AA ☐ W-GLYPH					☐ Upstream of US 90			

Notes: Sulfuric Acid SA-6209120 EXP: 07/27/17 Warning! See SDS Contains 1:1 Nitric Acid NA-6218060 EXP: 08/05/17 Warning! See SDS		Caney Creek Upstream of US 90 Nov 16, 2016		STORET ↓ G1WA0014	
Signature: <u>[Signature]</u>			Date: <u>11-16-2016</u>		

Field Parameters Entered into LIMS: Cm 11-17-16 (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 page.

Meter Biology 2

RQ- 2016-11-14-39

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.	R. Wini	11/16/16	7:09	21.0	8.9	8.9	100	39.0	—	P	L
ICV	R. Wini	11/16/16	7:09	21.0	8.9	8.9	100	39.0	—	P	L
CCV	R. Wini	11/16/16	13:13	19.3	9.2	9.3	101	38.0	—	P	L
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.	R. Wini	11/16/16	7:12	160330D	4/17	1000	1000	P	L
ICV	R. Wini	11/16/16	7:13	160330D	4/17	1000	1000	P	L
CCV	R. Wini	11/16/16	13:14	161111E	5/17	100	100	P	L
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.	R. Wini	11/16/16	7:17	160330B	10/17	7.0	7.0	-28.7	P	L
Calibr.	R. Wini	11/16/16	7:18	160330A	4/17	4.0	4.0	150.0	P	L
Calibr.	R. Wini	11/16/16	7:20	160330C	10/17	10.0	10.0	-195.2	P	L
ICV	R. Wini	11/16/16	7:21	160330A	4/17	4.0	4.0	150.5	P	L
CCV	R. Wini	11/16/16	13:15	160330C	10/17	10.0	10.0	-199.3	P	L
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

Moriah Creek, Chicken Branch, Ward Creek and Caney Branch

last revised Apr 7, 2016

Customer: WQAP

Requester: Benjamin Ralys

Field Report Prepared By:

Project ID: SMP

Collected By:

Curtis Musson, Robert Wiwi

Sampling Agency:

FDEP

Robert Wiwi

Location		Field ID		STORET #		Latitude		Longitude		Collection (comp begin or grab)		Matrix (type, e.g., Salt, Fresh, etc)		Temp (C)		Salinity (ppt)		pH		Sample Depth		Diss. Oxygen		Total Res. Chlorine		Bottle Group(s)	
										Date		Time		Type		Type		Type		Type		Type		Type		Type	
Chicken Branch at Old Plank Rd		G2LWAO031-11162016		G2LWAO031		30.3261		-84.1481		11/16/16		9:15		Fresh		14.85		7.40		0.3		6.83		300		B, C	
Caney Creek Upstream of US90		G2LWAO014-11162016		G2LWAO014		30.5325		-83.9501		11/16/16		12:00		Fresh		14.41		7.44		0.1		11.41		92		A	
Field ID		STORET #		Latitude		Longitude		Collection (comp begin or grab)		Matrix (type, e.g., Salt, Fresh, etc)		Temp (C)		Salinity (ppt)		pH		Sample Depth		Diss. Oxygen		Total Res. Chlorine		Bottle Group(s)			
								Date		Type		Type		Type		Type		Type		Type		Type		Type			
Field ID		STORET #		Latitude		Longitude		Collection (comp begin or grab)		Matrix (type, e.g., Salt, Fresh, etc)		Temp (C)		Salinity (ppt)		pH		Sample Depth		Diss. Oxygen		Total Res. Chlorine		Bottle Group(s)			
								Date		Type		Type		Type		Type		Type		Type		Type		Type			
Field ID		STORET #		Latitude		Longitude		Collection (comp begin or grab)		Matrix (type, e.g., Salt, Fresh, etc)		Temp (C)		Salinity (ppt)		pH		Sample Depth		Diss. Oxygen		Total Res. Chlorine		Bottle Group(s)			
								Date		Type		Type		Type		Type		Type		Type		Type		Type			

Relinquished By:		Date/Time		Shipping Method		Number of Coolers Shipped:		Received By:		Date/Time	
[Signature]		11/16/16 13:00						SK		11-16-16/1:01	

Cooler Packing Worksheet for Request: RQ-2016-11-14-39
Moriah Creek, Chicken Branch, Ward Creek and Caney Branch

Ship Cooler On: 11/14/2016
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: SCI

Requested Analyses:

Bottle Group: A

of Sites: 1

Container ID: P-1L

Qty: 1 Preservation: ICE

Lot # 5065893

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 # 1170333

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 # 0006045

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 # 00066045

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 # 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: P-1L

Qty: 2 Preservation: ICE

Lot # 00065803

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: 2 Preservation: ICE

Lot # 170333

Description: Brown Plastic Bottle 1L

Analysis

CHL Suite-W

Description

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

Container ID: P-500ML

Qty: 2 Preservation: ICE And H2SO4

Lot # 5006045

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 # 50065781

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: PJ-2L

Qty: 4 Preservation: Formalin

Lot # B10-was heq

Description: Plastic Jar 2 L

Analysis

MI-FW-QLDC

Description

No. Taxa of FW macroinverts, qual samp, 20 dipnets.

Cooler Packed By: ATB Date: 11-14-16
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-2016-11-14-39