



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2017

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Data Qualified?

Yes / No

STORET Station Name: Chicken Branch at Old Plank Rd

Date: 01/04/2017

(mm/dd/yyyy)

STORET Station ID: G1WA0031

WBID: 971

Latitude: 30.3261

(Decimal Degrees)

County: Leon RQ - 2017-01-02-51

ORG ID: 21FLWQA

Longitude: -84.1481

(Decimal Degrees)

Receiving Body of Water: St. Marks River

Field ID: G1WA0031-01042017

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
Robert Wiwi										☒ Sample Container	☐ Van Dorn	☐ Pole	
Ben Ralys										☐ 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 / Pooled / Low / Normal / High / Flooded										Matrix: Fresh / Marine / DI			
Meter ID# Bidogy 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 (umhos/cm)	Temp. (C°)			
EST	8:30	0.3	0.7	3.3	34	7.2	0.12	V0B	242	17.2			
CEN													

Biological Samples Collected: None HA SCI RPS Algae ID LVS LVI Other

SBIO ID Numbers: SBIO-ID: RPS-ID: Macrophyte-ID: LIMS#:

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	SA-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			
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			
Periphyton	☐ ALGAE-ID	☐ Ice			
Microbiology	☒ E Coli ☐ F Coli ☐ Entero ☐ PCR-FILTER	☒ Ice			
Tracers	☐ W-SUC-AA-R ☐ W-UHERB-AA	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH	☐ Ice ☐ Other			

Contains
1:1
Sulfuric Acid
SA-6209120
EXP: 07/27/17
Warning!
See SDS

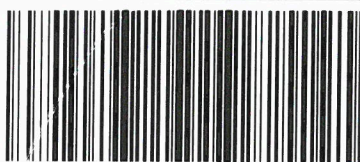
Sticker(s) Here
(available)

Notes:

Field ID →

Chicken Branch
at Old Plank Rd

Jan 04, 2017



G1WA0031-01042017

Chicken Branch
at Old Plank Rd

STORET ↓



G1WA0031

Signature:

Date:

1/4/17

Field Parameters Entered into LIMS:

Field Parameters QC in LIMS:

Date Migrated to STORET:

Field Sheets Scanned/Saved:

(Initials/Date)

(Initials/Date)

(Initials/Date)

(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- 2017-01-02-51

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	1-4-17	07:57	21.3	8.85	8.84	99.9	41	-	P	L
ICV	Curtis Mussen	1-4-17	07:58	21.38	8.85	8.92	99.7	41	-	P	L
CCV	Robert Wini	1/4/17	13:48	21.1	8.9	8.6	97.0	39.0	-	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.	Curtis Mussen	1-4-17	07:44	161111D	1/2/17	1000	1000	P	L
ICV	Curtis Mussen	1-4-17	07:41	161111D	1/2/17	1000	1000	P	L
CCV	Robert Wini	1/4/17	13:51	161111E	5/17	100	102	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.	Curtis Mussen	1-4-17	07:48	161111B	5/2/17	7.0	7.00	-44	P	L
Calibr.	Curtis Mussen	1-4-17	07:50	161111A	11-17	4.01	4.01	-	P	L
Calibr.	Curtis Mussen	1-4-17	07:53	161111C	5-18	10.01	9.98	-182	P	L
ICV	Curtis Mussen	1-4-17	07:55	161111C	5-18	10.01	9.96	-183	P	L
CCV	Robert Wini	1/4/17	13:52	161111A	11/17	4.01	4.10	155.2	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

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Request Number: RQ-2017-01-02-51

Customer: WQAP
 Project ID: SMP

Requester: Benjamin Ralys

Collected By: Ben Ralys

Field Report Prepared By: Ben Ralys

Sampling Agency: FDEP

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STORET ↓

**Chicken Branch
at Old Plank Rd**



G1WA00031

Field ID →

Chicken Branch
at Old Plank Rd



G1WA00031-01042017

Jan 04, 2017

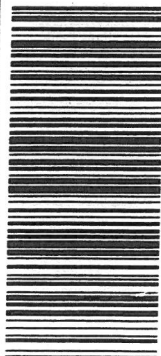
**Lake Lafayette Drain
250 meters
downstream of
Weems Rd**



G1WA00007

Field ID →

Lake Lafayette
Drain: 250 meters
downstream of
Weems Rd



G1WA00007-01042017

Jan 04, 2017

STORET ↓

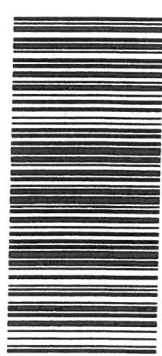
**Alford Arm Tributary
at Buck Lake Rd.**



G1WA00017

Field ID →

Alford Arm
Tributary at
Buck Lake Rd.



G1WA00017-01042017

Jan 04, 2017

Collection (comp begin or grab)		Collection (comp begin or grab)	Collection (comp begin or grab)	Bottle Group(s)
Comp	Date	Time	Date	
☒ Grab	1/4/17	8:30	1/4/17	A, C
Matrix (Salt, <u>fresh</u>)				
Diss. Oxygen (mg/L)	3.3			
pH	7.2			
Sample Depts (m)	0.3			
Sp. Conductance (umho/cm)		242		
Temp (C)	17.2			
Salinity (ppt)	0.12			
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)		
30.32-61		-84.1481		
☒ Grab	1/4/17	9:20	1/4/17	B, C
Matrix (Salt, <u>fresh</u>)				
Diss. Oxygen (mg/L)	8.4			
pH	7.0			
Sample Depts (m)	0.3			
Sp. Conductance (umho/cm)		84		
Temp (C)	18.3			
Salinity (ppt)	0.04			
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)		
30.45-44		-84.2204		
☒ Grab	1/4/17	10:00	1/4/17	A
Matrix (Salt, <u>fresh</u>)				
Diss. Oxygen (mg/L)	3.7			
pH	6.6			
Sample Depts (m)	0.3			
Sp. Conductance (umho/cm)		45		
Temp (C)	16.1			
Salinity (ppt)	0.02			
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)		
30.46363		-84.1715		

Relinquished By: Ben Ralys

Date/Time: 1/4/17

1:21

Number of Coolers: 2

Received By: [Signature]

Date/Time: 01-04-17 13:21

Group: B	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 2	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 2	Preservative: ICE-FLTR	Enter Number of Bottles Sent to Lab	2
Group: C	Bottle Type: ECOLI-18QT	P-250ML-WO-THI	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab	4
Group: D	Bottle Type: PCR-FILTER	QPCR-P-250ML	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab	4
Group: D	Bottle Type: W-SUC-AA-R W-UHERB-AA	BG-1L	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
Group: E	Bottle Type: MI-FW-QLDC	PJ-2L	# of Bottles: 2	Preservative: Formalin	Enter Number of Bottles Sent to Lab	2

Cooler Packing Worksheet for Request: RQ-2017-01-02-51

2017 SMP Kit Template 1

Ship Cooler On: 12/21/2016

Customer/Project: WQAP/SMP

Requester: Curtis Musson

Priority: 3

850-245-8453
2600 Blair Stone Rd
MS #3525
Tallahassee, FL 32399-2400

Attn: Curtis Musson

Comments:

No preservatives needed.

Group A: Freshwater Kit, No Metals
Group B: Freshwater Kit With Metals
Group C: Freshwater Bacteria - E.coli
Group D: Tracers & Markers
Group E: SCI

Requested Analyses:

Bottle Group: A

of Sites: 4

Container ID: P-1L

Qty: 4 Preservation: ICE

Lot # D0065893

Description: Plastic Bottle 1L

Analysis

ALKALINITY
TURBIDITY
W-CL-IC
W-COLOR
W-F
W-SO4-IC
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)
Sulfate in aqueous matrices
Total Dissolved Solids in aqueous matrices
Total Suspended Solids in aqueous matrices

Container ID: BP-1L

Qty: 4 Preservation: ICE

Lot # 1185930

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-500ML

Qty: 2 Preservation: HNO3

Lot # 00066045 (1)

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

00065372 (1)

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: 2 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: 2 Preservation: ICE-FLTR

Lot # 00066437 (1)

Description: Plastic Bottle 125 mL

00063891 (1)

Analysis

W-PO4-F

Description

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

Bottle Group: C

of Sites: 4

Container ID: P-250ML-WO-THI

Qty: 4 Preservation: ICE

Lot # L16080

Description:

Analysis

ECOLI-18QT

Description

Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Bottle Group: D

of Sites: 2

Container ID: QPCR-P-250ML

Qty: 4 Preservation: ICE

Lot # ~~010~~ ^{DRC}

Description:

00064040

Analysis

Description