



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

March 2017

PAGE 1 OF 8

Data Qualified?
Yes / No

Location/STORET Station Name: Chicken Branch at Old Plank Rd

Date: 05/31/2017
(mm/dd/yyyy)

STORET # G1WA0031

WBID: 971

Latitude: 30.3261

(Decimal Degrees)

County: Leon

RQ - 2017-05-29-22

ORG ID: 21FLWQA

Longitude: -84.1481

(Decimal Degrees)

Receiving Body of Water: St. Marks River

Field ID: G1WA0031_05312017

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
Ben Ralys									☒ Sample Container	☐ Van Dorn	☐ Pole	
Diana Turner									☐ 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# Biology #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 (µmhos/cm)	Temp. (C°)	
EST	10:23 AM	0.3	0.6	7.09	87.81.3	7.16	0.13	W13	276	22.06	
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	6302030	10/28/17	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <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-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			
Periphyton	☐ ALGAE-ID	☐ Ice			
Microbiology	☒ E Coli ☐ F Coli ☐ Enterococci ☐ qPCR	☒ Ice			
Tracers	☒ W-SUC-AA-R ☒ W-UHERB-AA ☒ W-AHERB-AA	☒ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R	☐ Ice			
	☐ W-PCQL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Other			

ains
1:1
Sulfuric Acid
SA-6302030
EXP: 10/28/17
Warning!
See SDS

Notes: 1-Kit A FW Bact Tracers Markers	Chicken Branch at Old Plank Rd	STORET ↓ G1WA0031	Field ID → Chicken Branch at Old Plank Rd May 31, 2017	 G1WA0031_05312017
Signature:			Date: 5/31/17	

Field Parameters Entered into LIMS: DT 6/1/2017 (Initials/Date)

Date Migrated to STORET: (Initials/Date)

Field Parameters QC in LIMS: (Initials/Date)

Field Sheets Scanned/Saved: DT 6/1/2017 (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- **2017-05-29-22**

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 **03/06/2017**

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.	Ben Ralys	5/31/17	7:08	22.27	8.71	8.70	100.1	27.7	-	P	L
ICV	Ben Ralys	5/31/17	7:09	22.29	8.71	8.72	100.2	27.7	-	P	L
CCV	Ben Ralys	6/1/17	7:18	21.9	8.76	8.48	97.0	26.7	-	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.	Ben Ralys	5/31/17	7:12	161111D	11/2017	1,000	1,000	P	L
ICV	Ben Ralys	5/31/17	7:13	161111D	11/2017	1,000	1,001	P	L
CCV	Ben Ralys	6/1/17	7:24	170310E	3/2018	100	105	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.	Ben Ralys	5/31/17	7:15	170310B	9/2018	7.0	6.98	-6.8	P	L
Calibr.	Ben Ralys	5/31/17	7:18	170310A	3/2018	4.0	3.84	165.8	P	L
Calibr.	Ben Ralys	5/31/17	7:21	161111C	5/2018	10.0	9.99	-171.2	P	L
ICV	Ben Ralys	5/31/17	7:22	161111C	5/2018	10.0	9.92	-167.2	P	L
CCV	Ben Ralys	6/1/17	7:26	170310A	3/2018	4.0	4.01	155.9	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

Request Number: 2017-05-29-22

Customer: WQ-ASSESS

Project ID: SMP

Requester: Curtis Musson

Collected By: Ben Rabys, Diana Turner

Field Report Prepared By: Ben Rabys

Sampling Agency: FDEP

Page 1 of 2

STORET

↓

G1WA0044

Field ID →

Sand Pond Middle

May 31, 2017

STORET

↓

G1WA0021

Field ID →

Sally Ward Spring at Wakulla Park Dr.

MAY 31, 2017

STORET

↓

G1WA0024

Field ID →

Eight Mile Pond Middle

May 31, 2017

☐ Comp	☒ Grab	Collection (comp begin or grab)	Date	Time	Collection (comp begin or grab)	Date	Time	Bottle Group(s)
Matrix (Salt, Fresh)			5/31/17	8:09 AM				
Temp (C)	28.52	Diss. Oxygen (mg/L)	8.68		Sample Depts (m)	0.3	Sp. Conductance (umho/cm)	15
pH	5.73							
Salinity (ppt)	0.01	Comments						
Latitude (Decimal Degrees)		30.334		Longitude (Decimal Degrees)		-84.387		

☐ Comp	☒ Grab	Collection (comp begin or grab)	Date	Time	Collection (comp begin or grab)	Date	Time	Bottle Group(s)
Matrix (Salt, Fresh)			5/31/17	8:56 AM				
Temp (C)	20.78	Diss. Oxygen (mg/L)	5.31		Sample Depts (m)	0.3	Sp. Conductance (umho/cm)	333
pH	7.46							
Salinity (ppt)	0.16	Comments						
Latitude (Decimal Degrees)		30.2414		Longitude (Decimal Degrees)		-84.3109		

☐ Comp	☒ Grab	Collection (comp begin or grab)	Date	Time	Collection (comp begin or grab)	Date	Time	Bottle Group(s)
Matrix (Salt, Fresh)			5/31/17	9:34 AM				
Temp (C)	28.49	Diss. Oxygen (mg/L)	6.03		Sample Depts (m)	0.3	Sp. Conductance (umho/cm)	106
pH	7.14							
Salinity (ppt)	0.05	Comments						
Latitude (Decimal Degrees)		30.32635		Longitude (Decimal Degrees)		-84.30273		

Relinquished By: Diana Turner

Date/Time: 5/31/17 1:28 PM

Number of Coolers: 2

Received By: [Signature]

Date/Time: 5.31.17 1:37

STORET ↓ G1WA0031		Chicken Branch at Old Plank Rd	
Field ID → G1WA0031_05312017		May 31, 2017	
Lake Lafayette Drain 250 meters downstream of Weems Rd		May 31, 2017	
Field ID → G1WA0007		May 31, 2017	
Godby Drainage Progress Dr.		May 31, 2017	
Field ID → G1WA0061		May 31, 2017	

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 5/31/17 Time 10:23 AM	Matrix (Salt, Fresh) Fresh	Diss. Oxygen (mg/L) 7.09	pH 7.16	Sample Depts (m) 0.3	Sp. Conductance (umho/cm) 276	Collection (comp begin or grab) Date Time	Bottle Group(s) A, B, C, D E
Latitude (Decimal Degrees) 30.3261 Longitude (Decimal Degrees) -84.1481								
☐ Comp ☒ Grab	Collection (comp begin or grab) Date 5/31/17 Time 11:27 AM	Matrix (Salt, Fresh) Fresh	Diss. Oxygen (mg/L) 8.16	pH 6.94	Sample Depts (m) 0.15	Sp. Conductance (umho/cm) 113	Collection (comp begin or grab) Date Time	Bottle Group(s) A, B, C, D E
Latitude (Decimal Degrees) 30.4544 Longitude (Decimal Degrees) -84.2204								
☐ Comp ☒ Grab	Collection (comp begin or grab) Date 5/31/17 Time	Matrix (Salt, Fresh) Fresh	Diss. Oxygen (mg/L)	pH	Sample Depts (m)	Sp. Conductance (umho/cm)	Collection (comp begin or grab) Date Time	Bottle Group(s)
Latitude (Decimal Degrees) Longitude (Decimal Degrees)								

Group: A	Bottle Type:	P-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	5
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	5
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 6	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	5
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 6	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	5
	W-PO4-F						
Group: B	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	1
	W-ICP						
	W-ICPMS						
Group: C	Bottle Type:	P-250ML-WO-THI	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	ECOLI-18QT						
Group: D	Bottle Type:	BG-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	W-AHERB-AA						
	W-SUC-AA-R						
	W-UHERB-AA						
Group: E	Bottle Type:	QPCR-P-250ML	# of Bottles: 8	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6
	PCR-FILTER						
	PCR-HF183						

Cooler Packing Worksheet for Request: RQ-2017-05-29-22

Sally, Sand, Eight, Chicken, Godby, Lafayette

Ship Cooler On: 5/15/2017

Customer/Project: WQAP/SMP

Assigned To:

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: Nutrients, CHLA, Physical Aggregates

Group B: Metals

Group C: Microbiology (Bacteria)

Group D: Organics (Wastewater Tracers)

Group E: PCR (Wastewater Markers)

Packing Notes:

No FedEx labels needed, samples will be dropped off.

Requested Analyses:

Bottle Group: A

of Sites: 6

Container ID: P-1L

Qty: 6 Preservation: ICE

Lot # 00067591

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: 6 Preservation: ICE

Lot # 0096409

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-500ML

Qty: 6 Preservation: ICE And H2SO4

Lot # 55067590

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: 6 Preservation: ICE-FLTR

Lot # 55066993

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: 1

Container ID: P-500ML

Qty: 1 Preservation: HNO3

Lot # 55067590

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

Bottle Group: C

of Sites: 4

Container ID: P-250ML-WO-THI

Qty: 4 Preservation: ICE

Lot # 417013

Description:

Analysis

ECOLI-18QT

Description

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

Bottle Group: D

of Sites: 4

Container ID: BG-1L

Qty: 4 Preservation: ICE

Lot # 55065807

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-AHERB-AA

W-SUC-AA-R

W-UHERB-AA

Description

Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS

Analysis of sucralose in water matrices by HPLC/MS/MS

Urea herbicides and other chemicals in water matrices by HPLC/MS/MS

Bottle Group: E

of Sites: 4

Container ID: QPCR-P-250ML

Qty: 8 Preservation: ICE

Lot # 55067081

Description:

Analysis

PCR-FILTER

PCR-HF183

Description

Preparation of Samples by Filtration and held for qPCR Analysis

Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction

Cooler Packed By: REP

Number of Coolers: 3

Date: 5-22-17

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle
- ☒ FedEx Bills, if applicable
- ☒ Plastic Bags
- ☐ Zip Ties

If Preservation Included:

ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2017-05-29-22