



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

March 2017

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Date Qualified?
Yes / No

Location/STORET Station Name: Lake Lafayette Drain 250 meters downstream of Weems Rd

Date: 05/31/2017

STORET # G1WA0007

WBID: 971

Latitude: 30.4544

(mm/dd/yyyy)

County: Leon

RQ - 2017-05-29-22

ORG ID: 21FLWQA

Longitude: -84.2204

(Decimal Degrees)

Receiving Body of Water: Lake Lafayette

Field ID: G1WA0007_05312017

(Decimal Degrees)

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	11:27	0.15	0.3	8.16	102	6.94	0.05	VOB	113	26.7	
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	7093010	4/3/18	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO3	6253070	9/9/17	☒ <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-CI-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 ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			

Contains 1:1 Sulfuric Acid SA-7093010 EXP: 04/03/18 Warning! See SDS

Contains 1:1 Nitric Acid NA-6253070 EXP: 09/09/17 Warning! See SDS

Notes: 1-Kit C FW Bact Tracers Markers

Lake Lafayette Drain 250 meters downstream of Weems Rd

STORET ↓

Field ID → Lake Lafayette Drain 250 meters downstream of Weems Rd May 31, 2017

Signature: [Signature]

Date: 5/31/17

Field Parameters Entered into LIMS: [Signature] 6/1/2017 (Initials/Date)

Field Parameters QC in LIMS: (Initials/Date)

Date Migrated to STORET: (Initials/Date)

Field Sheets Scanned/Saved: [Signature] 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 $\mu\text{mhos/cm}$	Meter Reading $\mu\text{mhos/cm}$	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 $\pm 0.05\text{m}$, 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

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STORET ↓

GIWA0044

Field ID →

Sand Pond Middle

May 31, 2017

STORET ↓

GIWA0021

Field ID →

Sally Ward Spring at Wakulla Park Dr.

May 31, 2017

STORET ↓

GIWA0024

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					
pH	5.73	Sample Depts (m)	0.3					
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					
pH	7.46	Sample Depts (m)	0.3					
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					
pH	7.14	Sample Depts (m)	0.3					
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 PM

Request Number: 2017-05-29-22

Customer: WQ-ASSESS
Project ID: SMP

Requester: Curtis Musson

Collected By: Ben Rabs, Diana Turner

Field Report Prepared By: Ben Rabs

Sampling Agency: FDEP

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STORÉT ↓
Chicken Branch
at Old Plank Rd
May 31, 2017
G1WA0031_05312017

Field IC →
Chicken Branch
at Old Plank Rd
May 31, 2017
G1WA0031_05312017

STORÉT ↓
Lake Lafayette Drain
250 meters
downstream of
Weems Rd
May 31, 2017
G1WA0007_05312017

Field IC →
Lake Lafayette
250 meters
downstream of
Weems Rd
May 31, 2017
G1WA0007_05312017

STORÉT ↓
Godby Drainage
Progress Dr.
May 31, 2017
G1WA0061_05312017

Field IC →
Godby Drainage
Progress Dr.
May 31, 2017
G1WA0061_05312017

☐ 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)					

Relinquished By: Diana Turner

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

Number of Coolers 2

Received By: SR

Date/Time 5/31/17 1:31

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

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 # 55567590

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 # 55567593

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 # 55567590

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: AB

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