



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2017

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Data Qualified?

Yes / No

STORET Station Name: Salem Branch Downstream of SR 159

Date: 2/22/2017

(mm/dd/yyyy)

STORET Station ID: G1WA0053

WBID: 480

Latitude: 30.36

(Decimal Degrees)

County: Leon

RQ - 2017-02-20-27

ORG ID: 21FLWQA

Longitude: -84.432

(Decimal Degrees)

Receiving Body of Water: Little River

Field ID: G1WA0053-02222017

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

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 / 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	11:05	0.15	0.3	—	—	7.6	166.08	UOB	165	18.9				
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			☐ <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-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 ☐ Entero ☒ PCR-FILTER	☒ Ice			
Tracers	☒ W-SUC-AA-R ☒ W-UHERB-AA	☒ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R	☐ Ice			
	☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH	☐ Other			

Notes:

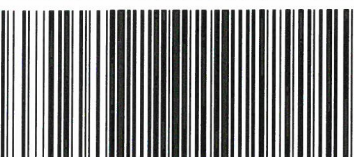
FW Bact, Tracers, Marker

Field ID →

Groups B, C

Salem Branch
downstream of
SR 159

FEB 22, 2017



G1WA0053-02222017

Salem Branch
downstream of
SR 159

STORET ↓



G1WA0053

Signature:

Date:

2/22/17

Field Parameters Entered into LIMS: DT 2/23/17

Field Parameters QC in LIMS:

Date Migrated to STORET:

Field Sheets Scanned/Saved: DT 2/23/17

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- 2017-02-20-27 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	2/21/17									
ICV											
CCV											
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	2/21/17	16:12	161111D	11/2017	1000	1000	Pass	LAB
ICV	Curtis Mussen	2/21/17	16:13	161111D	11/2017	1000	1000	Pass	LAB
CCV	Robert Wini	2/22/17	13:46	161111E	5/17	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	2/21/17	14:15	161111B	5/2018	7.0	7.00	-23	Pass	LAB
Calibr.	Curtis Mussen	2/21/17	14:18	161111A	11/2017	4.01	4.01	158	Pass	LAB
Calibr.	Curtis Mussen	2/21/17	14:20	161111C	5/2018	10.01	10.01	-183	Pass	LAB
ICV	Curtis Mussen	2/21/17	14:22	161111C	5/2018	10.01	9.98	-183	Pass	LAB
CCV	Robert Wini	2/22/17	13:48	161111A	11/17	4.01	4.19	147.5	P	L
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

Request Number: RQ-2017-02-20-27

SMP
Customer: WQAP
Project ID: SMP

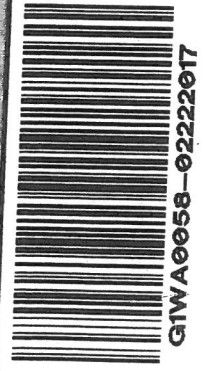
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Requester: Benjamin Rayle

Collected By: Curtis Musson, Robert Wini

Field Report Prepared By: Robert Wini
Sampling Agency: FDEP

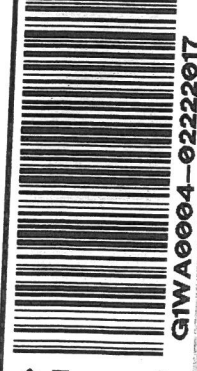
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Field ID 1 →
Aj Henry Park
Pond Middle
Feb 22, 2017
GIWA0058-02222017



STORET ↓
Aj Henry Park
Pond Middle
GIWA0058



Field ID 2 →
Lake Arrowhead
at boat dock at
Turtle Crk Ln
near outlet
Feb 22, 2017
GIWA0004-02222017



STORET ↓
Lake Arrowhead at
boat dock at Turtle
Crk Ln near outlet
GIWA0004



Field ID 3 →
Tallavanna
Lake Middle
Feb 22, 2017
GIWA0045-02222017



STORET ↓
Tallavanna
Lake Middle
GIWA0045

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/22/17 Time 8:15	Matrix (Salt, Fresh) Fresh	Diss. Oxygen (mg/L) —	pH 9.5	Sample Depts (m) 0.3	Sp. Conductance (umho/cm) 60	Collection (comp begin or grab) Date Eastern Central	Time	Bottle Group(s) A
Latitude (Decimal Degrees) 30.508			Longitude (Decimal Degrees) -84.216						
☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/22/17 Time 8:55	Matrix (Salt, Fresh) Fresh	Diss. Oxygen (mg/L) —	pH 7.8	Sample Depts (m) 0.3	Sp. Conductance (umho/cm) 61	Collection (comp begin or grab) Date Eastern Central	Time	Bottle Group(s) A
Latitude (Decimal Degrees) 30.568517			Longitude (Decimal Degrees) -84.218058						
☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/22/17 Time 9:50	Matrix (Salt, Fresh) Fresh	Diss. Oxygen (mg/L) —	pH 8.0	Sample Depts (m) 0.3	Sp. Conductance (umho/cm) 178	Collection (comp begin or grab) Date Eastern Central	Time	Bottle Group(s) A,B
Latitude (Decimal Degrees) 30.59862			Longitude (Decimal Degrees) -84.46593						

Relinquished By: Robert Wini	Date/Time 2/22/17 13:30	Number of Coolers 3	Received By: [Signature]	Date/Time 2-22-17 13:30
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Request Number: RQ-2017-02-20-27

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

SMP
Customer: WQAP
Project ID: SMP
Loc: SWP

Requester: Benjamin Ralys
Collected By: Curtis Mussen, Robert Whini

Field Report Prepared By: Robert Whini
Sampling Agency: FDEP
Page 2 of 3

Field ID →
Swamp Creek
upstream of
Railroad
File: EB 22, 2017
G1WA0052-02222017

STORET ↓
Swamp Creek
upstream of
Railroad
G1WA0052

Field ID →
Salem Branch
downstream of
SR 159
File: EB 22, 2017
G1WA0053-02222017

STORET ↓
Salem Branch
downstream of
SR 159
G1WA0053

Field ID →
Harbinwood
Estates Drain
File: EB 22, 2017
G1WA0034-02222017

STORET ↓
Harbinwood
Estates Drain
G1WA0034

☐ Comp ☒ Grab		Collection (comp begin or grab) Date 2/22/17 Time 10:35		Collection (comp begin or grab) Date 2/22/17 Time 11:05		Collection (comp begin or grab) Date 2/22/17 Time 11:40	
Matrix (Salt, Fresh) Fresh		Diss. Oxygen (mg/L) —		Diss. Oxygen (mg/L) —		Diss. Oxygen (mg/L) —	
Temp (C) 17.0		pH 7.0		Temp (C) 18.9		Temp (C) 18.8	
Salinity (ppt) 0.03		Comments		Salinity (ppt) 0.08		Salinity (ppt) 0.05	
Latitude (Decimal Degrees) 30.663		Longitude (Decimal Degrees) -84.448		Latitude (Decimal Degrees) 30.36		Latitude (Decimal Degrees) 30.593	
Sample Depts (m) 0.3		Sp. Conductance (umho/cm) 61		Sample Depts (m) 0.15		Sample Depts (m) 0.05	
Bottle Group(s) A,B,C		Time		Bottle Group(s) B,C		Time	
Bottle Group(s)		Time		Bottle Group(s)		Time	

Relinquished By:	Received By: RB	Date/Time 2-22-17	Date/Time 13:30
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Date/Time 2-22-17/1330

Cooler Packing Worksheet for Request: RQ-2017-02-20-27

Tallahassee, Quincy

Ship Cooler On: 2/21/2017

Customer/Project: WQ-ASSESS/SMP

Assigned To: REYNOLDS_T

Requester: Curtis Musson

Priority: 3

850-245--8453

Division Of Water Facilities, FL DEP

2600 Blair Stone Rd.

Tallahassee, FL 32399-2400

Attn: Curtis Musson

Comments:

No preservatives needed.

Group A: Freshwater Kit, No Metals

Group B: E. coli

Group C: Tracers, PCR-Filter

Requested Analyses:

Bottle Group: A

of Sites: 6

Container ID: P-1L

Qty: 6 Preservation: ICE

Lot # 00066202

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 # 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: 6 Preservation: ICE And H2SO4

Lot # 00066885

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 # 024134

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: 6

Container ID: P-250ML-WO-THI

Qty: 6 Preservation: ICE

Lot # 016292

Description:

Analysis

ECOLI-18QT

Description

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

Bottle Group: C

of Sites: 4

Container ID: QPCR-P-250ML

Qty: 8 Preservation: ICE

Lot # 0006493

Description:

Analysis

PCR-FILTER

Description

Preparation of Samples by Filtration and held for qPCR Analysis

Container ID: BG-1L

Qty: 4 Preservation: ICE

Lot # 00065867

Description: Brown Glass Bottle 1L

Analysis

W-SUC-AA-R
W-UHERB-AA

Description

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

Cooler Packed By: Tyler Reynolds

Date: 02/17/17

DEP Cooler ID #(s): 3 coolers

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-2017-02-20-27