FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2017

Data Qualified? (Yes) / No

STORET Station Name: Salem Branch Downstream of SR 159 **Date:** 2/7/2017 (mm/dd/yyyy)

STORET Station ID: G1WA0053 **WBID:** 480 **Latitude:** 30.36 (Decimal Degrees)

County: Gadsden **RQ -** 2017-02-06-34 **ORG ID:** 21FLWQA **Longitude:** -84.432 (Decimal Degrees)

Receiving Body of Water: Little River **Field ID:** G1WA0053_02072017

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Ben Ralys					
Phil Homann					

Sampling Equipment

☐ Sample Container ☐ Van Dorn ☐ Pole
☐ Carboy ☒ Syringe
☐ Dipper ☐ Other _____
Equipment ID _____

Collection Method

☒ Wading
☐ From Shore
☐ Other (note below)

Via Boat: ☐ Canoe/Kayak ☐ 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. (C⁰)
(EST)	10:50	0.3	0.3	11.47	113.9	7.14	0.05	VOB	112	15.07
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 ☐ H_2SO_4			☐ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO_3			☐ <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 ☐ 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			

Place Preservative Sticker(s) Here (If Available)

Notes:

Field ID → Salem Branch dowstream of SR 159 FEB. 07, 2017

G1WA0053–02072017

Salem Branch dowstream of SR 159

STORET → G1WA0053

Signature: **Date:**

Field Parameters Entered into LIMS: DT 2/14/17 (Initials/Date) Field Parameters QC in LIMS: _____ (Initials/Date)

Date Migrated to STORET: _____ (Initials/Date) Field Sheets Scanned/Saved: DT 2/15/17 (Initials/Date)

Boldly X this box if there is qualified data on this page

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Meter: Biology #2 RQ-: 2017-02-06-34 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.	Ben Ralys	2/7/17	7:58	20.54	9.00	9.00	100.0	23.7	-	P	L
ICV	Ben Ralys	2/7/17	8:01	20.55	9.00	9.03	100.5	23.7	-	P	L
CCV	~~Ben Ralys~~	~~2/7/17~~	2:02	~~23.32~~							
CCV	Ben Ralys	2/7/17	3:15	21.1	8.89	9.86	110.8	24.7	—	F	L

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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	Ben Ralys	2/7/17	8:03	161111D	11/2017	1,000	1,000	P	L
ICV	Ben Ralys	2/7/17	8:04	161111D	11/2017	1,000	1,001	P	L
CCV	Ben Ralys	2/7/17	3:16	161111E	05/2017	100	103	P	L
CCV									

Report specific conductance as a whole number with no decimal figure. Conductivity Acceptance criteria ± 5%

pH DEP SOP FT 1100	Name	Date 2/7/17	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Ben Ralys	~~8:07~~	8:07	161111B	05/2018	7.0	7.00	-26.1	P	L
Calibr.	Ben Ralys	2/7/17	8:08	161111A	11/2017	4.0	4.00	152.9	P	L
Calibr.	Ben Ralys	2/7/17	8:09	161111C	05/2018	10.0	9.95	+188.2	P	L
ICV	Ben Ralys	2/7/17	8:10	161111C	05/2018	10.0	9.93	-187.7	P	L
CCV	Ben Ralys	2/7/17	3:20	161111A	11/2017	4.0	3.96	153.1	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±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 ±5 % or ±0.05m, whichever is greater

Request Number: RQ-2017-02-06-34
Little River, Quincy Creek, Megginnis Arm
Customer: WQAP
Project ID: SMP

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Requester: Benjamin Ralys
Collected By: Ben Ralys, Phil Homann
Field Report Prepared By: Ben Ralys
Sampling Agency: FDEP
Page ___ of ___

Location: Quincy Creek upstream of SR 268

STORET: Q1WA0051

Field ID: Quincy Creek upstream of SR 268
FEB. 07, 2017
Q1WA0051-02072017

☐ Comp ☒ Grab
Collection (comp begin or grab): Date 2/7/2017 Time 0925 (Eastern / Central)
Collection (comp begin or grab): Date — Time —
Bottle Group(s): A

Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)		
	12.46		
Temp (C)	**pH**	**Sample Depts (m)**	**Sp. Conductance (umho/cm)**
13.22	7.11	0.3	68
Salinity (ppt)	**Comments**		
0.03	we changed sites and added 1 metals bottle		
Latitude (Decimal Degrees)		**Longitude (Decimal Degrees)**	
30.597		-84.598	

Location: Little River 100 meters upstream of SR 12

STORET: Q1WA0020

Field ID: Little River 100 meters upstream of SR 12
FEB. 07, 2017
Q1WA0020-02072017

☐ Comp ☒ Grab
Collection (comp begin or grab): Date 2/7/2017 Time 1015 (Eastern / Central)
Collection (comp begin or grab): Date — Time —
Bottle Group(s): B

Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)		
	11.57		
Temp (C)	**pH**	**Sample Depts (m)**	**Sp. Conductance (umho/cm)**
13.74	6.83	0.3	83
Salinity (ppt)	**Comments**		
0.04			
Latitude (Decimal Degrees)		**Longitude (Decimal Degrees)**	
30.5882		-84.4957	

Location: Salem Branch dowstream of SR 159

STORET: Q1WA0053

Field ID: Salem Branch dowstream of SR 159
FEB. 07, 2017
Q1WA0053-02072017

☐ Comp ☒ Grab
Collection (comp begin or grab): Date 2/7/17 Time 1050 (Eastern / Central)
Collection (comp begin or grab): Date — Time —
Bottle Group(s): C

Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)		
	11.47		
Temp (C)	**pH**	**Sample Depts (m)**	**Sp. Conductance (umho/cm)**
15.07	7.14	0.3	112
Salinity (ppt)	**Comments**		
0.05			
Latitude (Decimal Degrees)		**Longitude (Decimal Degrees)**	
30.36		-84.432	

Relinquished By:	Date/Time	Number of Coolers	Received By:	Date/Time
BR	2/7/2017 1:43	2	ABB	2-7-17 / 13:43

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Request Number: RQ-2017-02-06-34
Little River, Quincy Creek, Megginnis Arm
Customer: WQAP
Project ID: SMP

Requester: Benjamin Ralys
Collected By: Ben Ralys Phil Howann

Field Report Prepared By: Ben Ralys
Sampling Agency: FDEP

Page ___ of ___

Location: Swamp Creek upstream of Railroad

STORET: G1WA0052

Field ID: Swamp Creek upstream of Railroad FEB. 07, 2017

G1WA0052–02072017

Comp / Grab (X)	Grab
Collection (comp begin or grab)	Date 2/7/2017 Time 1115 (Eastern / Central)
Collection (comp begin or grab)	Date — Time —
Bottle Group(s)	B
Matrix (Salt, Fresh)	Fresh
Diss. Oxygen (mg/L)	11.50
Temp (C)	13.94
pH	6.91
Sample Depts (m)	0.3
Sp. Conductance (umho/cm)	91
Salinity (ppt)	0.04
Comments	
Latitude (Decimal Degrees)	30.663
Longitude (Decimal Degrees)	-84.448

Location: Megginnis Arm Run Downstream of Sharer

STORET: G1WA0033

Field ID: Megginnis Arm Run Downstream of Sharer FEB. 07, 2017

G1WA0033–02072017

Comp / Grab (X)	Grab
Collection (comp begin or grab)	Date 2/7/2017 Time 1245 (Eastern / Central)
Collection (comp begin or grab)	Date — Time —
Bottle Group(s)	A
Matrix (Salt, Fresh)	Fresh
Diss. Oxygen (mg/L)	11.45
Temp (C)	18.69
pH	7.46
Sample Depts (m)	0.3
Sp. Conductance (umho/cm)	283
Salinity (ppt)	0.14
Comments	
Latitude (Decimal Degrees)	30.4804
Longitude (Decimal Degrees)	-84.2982

Location:

Field ID:

STORET #:

Comp / Grab (X)	Grab
Collection (comp begin or grab)	Date ~~2/7/2017~~ Time (Eastern / Central)
Collection (comp begin or grab)	Date — Time —
Bottle Group(s)	
Matrix (Salt, Fresh)	Fresh
Diss. Oxygen (mg/L)	
Temp (C)	
pH	
Sample Depts (m)	~~0.3~~
Sp. Conductance (umho/cm)	
Salinity (ppt)	
Comments	
Latitude (Decimal Degrees)	
Longitude (Decimal Degrees)	

Relinquished By:	Date/Time	Number of Coolers	Received By:	Date/Time
Ben Ralys	2/7/2017 1:43	2	[illegible]	2-7-17 / 13:43

Cooler Packing Worksheet for Request: RQ-2017-02-06-34
Megginnis Arm, Tallavanna, Little River, Swamp Creek, Salem Branch
Ship Cooler On: 2/3/2017
Customer/Project: WQ-ASSESS/SMP

Assigned To: KITCHEN_S
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; E. coli
Group B: Freshwater Kit, No Metals; E. coli; Tracers; Markers
Group C: E. coli; Tracers; Markers

Requested Analyses:

Bottle Group: A # of Sites: 2

Container ID: P-1L **Qty: 2** **Preservation: ICE** **Lot #** 00066566

Description: Plastic Bottle 1L

Analysis	Description
ALKALINITY	Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Turbidity in aqueous matrices
W-CL-IC	Chloride in aqueous matrices
W-COLOR	True Color measured at 450 nm
W-F	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Sulfate in aqueous matrices
W-TDS	Total Dissolved Solids in aqueous matrices
W-TSS	Total Suspended Solids in aqueous matrices

Container ID: BP-1L **Qty: 2** **Preservation: ICE** **Lot #** 118467

Description: Brown Plastic Bottle 1L

Analysis	Description
CHLSUITE-W	Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry

Container ID: P-250ML-WO-THI **Qty: 2** **Preservation: ICE** **Lot #** L16292

Description:

Analysis	Description
ECOLI-18QT	Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

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Container ID: P-500ML **Qty: 2** **Preservation: ICE And H2SO4** **Lot #** 00066885

Description: Plastic Bottle 500 mL Affix YELLOW sulfuric acid dot to container.

Analysis	Description
W-NH3	Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML **Qty: 2** **Preservation: ICE-FLTR** **Lot #** 00066437

Description: Plastic Bottle 125 mL

Analysis	Description
W-PO4-F	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 #** 00066566

Description: Plastic Bottle 1L

Analysis	Description
ALKALINITY	Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Turbidity in aqueous matrices
W-CL-IC	Chloride in aqueous matrices
W-COLOR	True Color measured at 450 nm
W-F	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Sulfate in aqueous matrices
W-TDS	Total Dissolved Solids in aqueous matrices
W-TSS	Total Suspended Solids in aqueous matrices

Container ID: BP-1L **Qty: 2** **Preservation: ICE** **Lot #** 1188467

Description: Brown Plastic Bottle 1L

Analysis	Description
CHLSUITE-W	Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry

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Container ID: P-250ML-WO-THI **Qty: 2** **Preservation: ICE** **Lot #** L16292

Description:

Analysis	Description
ECOLI-18QT	Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

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Container ID: QPCR-P-250ML **Qty: 4** **Preservation: ICE** **Lot #** 004354

Description:

Analysis	Description
PCR-FILTER	Preparation of Samples by Filtration and held for qPCR Analysis

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Container ID: P-500ML **Qty: 2** **Preservation: ICE And H2SO4** **Lot #** 00066885

Description: Plastic Bottle 500 mL Affix YELLOW sulfuric acid dot to container.

Analysis	Description
W-NH3	Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML **Qty: 2** **Preservation: ICE-FLTR** **Lot #** 00066566

Description: Plastic Bottle 125 mL

Analysis	Description
W-PO4-F	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Container ID: BG-1L **Qty: 2** **Preservation: ICE** **Lot #** 00065867

Description: Brown Glass Bottle 1L

Analysis	Description
W-SUC-AA-R	Analysis of sucralose in water matrices by HPLC/MS/MS
W-UHERB-AA	Urea herbicides and other chemicals in water matrices by HPLC/MS/MS

Bottle Group: C # of Sites: 1

Container ID: P-250ML-WO-THI **Qty: 1** **Preservation: ICE** **Lot #** L16292

Description:

Analysis	Description
ECOLI-18QT	Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Container ID: QPCR-P-250ML **Qty: 2** **Preservation: ICE** **Lot #** 004354

Description:

Analysis	Description
PCR-FILTER	Preparation of Samples by Filtration and held for qPCR Analysis

Container ID: BG-1L **Qty: 1** **Preservation: ICE** **Lot #** 00065867

Description: Brown Glass Bottle 1L

Analysis	Description
W-SUC-AA-R	Analysis of sucralose in water matrices by HPLC/MS/MS
W-UHERB-AA	Urea herbicides and other chemicals in water matrices by HPLC/MS/MS

Cooler Packed By: SK Date: 2-2-17

DEP Cooler ID #(s): 2 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-2017-02-06-34