



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2017

PAGE 1 OF 9

Data Qualified?

Yes / No

STORET Station Name: Little River 100 meters upstream of SR 12

Date: 2/7/2017

(mm/dd/yyyy)

STORET Station ID: G1WA0020

WBID: 424

Latitude: 30.5882

(Decimal Degrees)

County: Gadsden RQ - 2017-02-06-34

ORG ID: 21FLWQA

Longitude: -84.4957

(Decimal Degrees)

Receiving Body of Water: Lake Talquin

Field ID: G1WA0020 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	☐ Via Boat
☐ From Shore	☐ Canoe/Kayak
☐ Other (note below)	☐ Electric Motor
	☐ Gasoline Motor

Water Level: Dry / Pooled / Low / <u>Normal</u> / High / Flooded						Matrix: <u>Fresh</u> / Marine / DI				
Meter ID# Biology #2			Photos: <u>Yes</u> / No			Tide Falling: Yes / No / <u>NA</u>				
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°)
<u>EST</u>	<u>10:18</u>	<u>0.3</u>	<u>0.4</u>	<u>11.57</u>	<u>111.7</u>	<u>6.83</u>	<u>0.04</u>	<u>VOID</u>	<u>83</u>	<u>13.74</u>
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 um 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: Field ID → Little River 100 meters upstream of SR 12 FEB. 07, 2017		Little River 100 meters upstream of SR 12	STORET ↓
Signature: _____		Date: _____	

Field Parameters Entered into LIMS: PC 2/14/17
(Initials/Date)Field Parameters QC in LIMS: _____
(Initials/Date)Date Migrated to STORET: _____
(Initials/Date)Field Sheets Scanned/Saved: PC 2/15/17
(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- 2017-02-06-34

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	20.32							
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 μ mhos/cm	Meter Reading μ mhos/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 $\pm 5\%$

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	2/7/17	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 $+180 \pm 50$;

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

Request Number: RQ-2017-02-06-34

Little River, Quincy Creek, Megginnis Arm

Customer: WQAP

Project ID: SMP

Central Lab Sample Submittal Form

Requester: Benjamin Ralys

Field Report Prepared By: Ben Ralys

Sampling Agency: FDEP

Page 1 of 1

Collected By: Ben Ralys, Phil Howarth

Requester: Benjamin Ralys		Field Report Prepared By: Ben Ralys		Sampling Agency: FDEP		Page 1 of 1	
Quincy Creek upstream of SR 268		Little River 100 meters upstream of SR 12		Salem Branch dowstream of SR 159		Quincy Creek upstream of SR 268	
Field ID → Quincy Creek upstream of SR 268 FEB. 07, 2017		Field ID → Little River 100 meters upstream of SR 12 FEB. 07, 2017		Field ID → Salem Branch dowstream of SR 159 FEB. 07, 2017		Field ID → Quincy Creek upstream of SR 268 FEB. 07, 2017	
STORET ↓ G1WA00051		STORET ↓ G1WA00020		STORET ↓ G1WA00053		STORET ↓ G1WA00051	
☐ Comp ☒ Grab		☐ Comp ☒ Grab		☐ Comp ☒ Grab		☐ Comp ☒ Grab	
Matrix (Salt, Fresh)		Matrix (Salt, Fresh)		Matrix (Salt, Fresh)		Matrix (Salt, Fresh)	
Temp (C) 13.22		Temp (C) 13.74		Temp (C) 15.07		Temp (C) 13.22	
Salinity (ppt) 0.03		Salinity (ppt) 0.04		Salinity (ppt) 0.05		Salinity (ppt) 0.03	
Diss. Oxygen (mg/L) 12.46		Diss. Oxygen (mg/L) 11.57		Diss. Oxygen (mg/L) 11.47		Diss. Oxygen (mg/L) 12.46	
pH 7.11		pH 6.83		pH 7.14		pH 7.11	
Sample Depts (m) 0.3		Sample Depts (m) 0.3		Sample Depts (m) 0.3		Sample Depts (m) 0.3	
Sp. Conductance (umho/cm) 68		Sp. Conductance (umho/cm) 83		Sp. Conductance (umho/cm) 112		Sp. Conductance (umho/cm) 68	
Comments: we changed sites and added 1 metals bottle		Comments:		Comments:		Comments:	
Latitude (Decimal Degrees) 30.597		Latitude (Decimal Degrees) 30.5882		Latitude (Decimal Degrees) 30.36		Latitude (Decimal Degrees) 30.597	
Longitude (Decimal Degrees) -84.598		Longitude (Decimal Degrees) -84.4957		Longitude (Decimal Degrees) -84.432		Longitude (Decimal Degrees) -84.598	
Collection (comp begin or grab) Date 2/7/2017 Time 0925		Collection (comp begin or grab) Date 2/7/2017 Time 1015		Collection (comp begin or grab) Date 2/7/17 Time 1050		Collection (comp begin or grab) Date 2/7/2017 Time 0925	
Eastern Central		Eastern Central		Eastern Central		Eastern Central	
Bottle Group(s) A		Bottle Group(s) B		Bottle Group(s) C		Bottle Group(s) A	

Relinquished By:	Date/Time: 2/7/2017 1:43	Received By:	Date/Time: 2-7-17 1:43
------------------	--------------------------	--------------	------------------------

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 Howmann

Field Report Prepared By: Ben Ralys
Sampling Agency: FDEP

Page ____ of ____

**Swamp Creek
upstream of
Railroad**

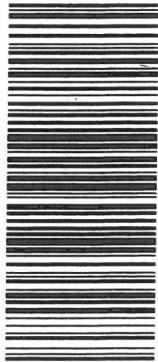
STORET ↓



G1WA0052

Field ID →

Swamp Creek
upstream of
Railroad



FEB. 07, 2017

G1WA0052-02072017

**Megginnis Arm Run
Downstream of Sharer**

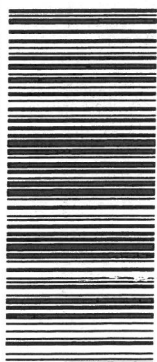
STORET ↓



G1WA0033

Field ID →

Megginnis Arm
Run Downstream
of Sharer



FEB. 07, 2017

G1WA0033-02072017

Location

Field ID

STORET #

☐ Comp ☒ Grab		Collection (comp begin or grab) Date 2/7/2017 Time 1115	Eastern Central	Collection (comp begin or grab) Date _____ Time _____	Bottle Group(s)
Matrix (Salt, <u>Fresh</u>)		Diss. Oxygen (mg/L) 11.50			
Temp (C) 13.94		pH 6.91	Sample Depts (m) 0.3	Sp. Conductance (umho/cm) 91	B
Salinity (ppt) 0.04		Comments			
Latitude (Decimal Degrees) 30.663		Longitude (Decimal Degrees) -84.448			
☐ Comp ☒ Grab		Collection (comp begin or grab) Date 2/7/2017 Time 1245	Eastern Central	Collection (comp begin or grab) Date _____ Time _____	Bottle Group(s)
Matrix (Salt, <u>Fresh</u>)		Diss. Oxygen (mg/L) 11.45			
Temp (C) 18.69		pH 7.46	Sample Depts (m) 0.3	Sp. Conductance (umho/cm) 283	A
Salinity (ppt) 0.14		Comments			
Latitude (Decimal Degrees) 30.4804		Longitude (Decimal Degrees) -84.2982			
☐ Comp ☒ 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, <u>Fresh</u>)		Diss. Oxygen (mg/L)			
Temp (C)		pH	Sample Depts (m)	Sp. Conductance (umho/cm)	
Salinity (ppt)		Comments			
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)			

Relinquished By: <u>Ben Ralys</u>	Date/Time 2/7/2017	Number of Coolers 2	Received By: <u>ARH</u>	Date/Time 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

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: 2 Preservation: ICE

Lot # 1188467

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-250ML-WO-THI

Qty: 2 Preservation: ICE

Lot # L16292

Description:

Analysis

ECOLI-18QT

Description

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

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

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

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: 2

Container ID: P-1L

Qty: 2 Preservation: ICE

Lot # 00066566

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: 2 Preservation: ICE

Lot # 1188467

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-250ML-WO-THI

Qty: 2 Preservation: ICE

Lot # 416292

Description:

Analysis

ECOLI-18QT

Description

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

Container ID: QPCR-P-250ML

Qty: 4 Preservation: ICE

Lot # 004354

Description:

Analysis

PCR-FILTER

Description

Preparation of Samples by Filtration and held for qPCR Analysis

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

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 # 00066566

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

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

Bottle Group: C

of Sites: 1

Container ID: P-250ML-WO-THI

Qty: 1 Preservation: ICE

Lot # L16292

Description:

Analysis

ECOLI-18QT

Description

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

PCR-FILTER

Description

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

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:

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