FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

June 2016

Data Qualified? Yes / No

STORET Station Name: Quincy Creek upstream of SR 12 **Date:** 06/29/2016 (mm/dd/yyyy)

STORET Station ID: G1WA0019 **WBID:** 1303A **Latitude:** 30.5923 (Decimal Degrees)

County: Gadsden **RQ -** 2016-06-27-12 **ORG ID:** 21FLWQA **Longitude:** -84.5634 (Decimal Degrees)

Receiving Body of Water: Little River **Field ID:** G1WA0019

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Justin Wallheiser	✓				
Robert Wiwi			✓	✓	✓

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 / Low / Normal / High / Flooded

Matrix: Fresh / Marine / DI

Meter ID# 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	9:50	0.2	0.4	7.46	88.4	6.95	0.03	VOR	58	23.9
CEN										

Biological Samples Collected: None HA SCI LVS RPS LVI Other

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	S259020	9/16/16	☑ <2
Metals	☑ W-ICPMS ☑ W-ICP	☐ Ice ☑ HNO_3	S259030	9/16/16	☑ <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			
Microbiology	☐ E Coli ☐ F Coli ☐ Entero ☐ QPCR	☐ Ice			
Periphyton	☐ ALGAE-ID	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-PC-AA-SF ☐ W-UHERB-AA ☐ W-GLYPH	☐ Ice ☐ Other			

Contains 1:1 Sulfuric Acid SA – 5259020 EXP: 09/16/16 Warning! See MSDS

Contains 1:1 Nitric Acid NA – 5259030 EXP: 09/16/16 Warning! See MSDS

Notes:

G1WA0019 29 June 2016
Quincy Creek upstream of SR 12

Signature: [signature] **Date:** 6/29/16

Field Parameters Entered into LIMS: CM 6-30-2016 (Initials/Date) Field Parameters QC in LIMS: (Initials/Date)

Date Migrated to STORET: (Initials/Date) Field Sheets Scanned/Saved: CM 6-30-16 (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-: 2016-06-27-12 | 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 06/03/2016

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.	R. Wini	6/29/16	7:10	23.3	8.5	8.5	99.6	52.3	—	P	L
ICV	R. Wini	6/29/16	7:11	23.2	8.5	8.5	99.6	51.2	—	P	L
CCV	R. Wini	6/29/16	12:57	27.0	~~10.0~~ 8.0 RW	7.9	98.8	52.3	—	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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	R. Wini	6/29/16	7:15	160330D	4/17	1,000	1,000	P	L
ICV	R. Wini	6/29/16	7:16	160330D	4/17	1,000	1,001	P	L
CCV	R. Wini	6/29/16	12:59	2601533	12/17	100	102	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	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	R. Wini	6/29/16	7:20	160330B	10/17	7.0	7.0	-18.7	P	L
Calibr.	R. Wini	6/29/16	7:21	160330A	4/17	4.0	4.0	160.1	P	L
Calibr.	R. Wini	6/29/16	7:24	160330C	10/17	10.0	10.0	-189.2	P	L
ICV	R. Wini	6/29/16	7:26	160330A	4/17	4.0	4.0	159.6	P	L
CCV	R. Wini	6/29/16	7:02	160330C	10/17	10.0	10.0	-189.3	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-2016-06-27-12

Tanyard Branch, Little River, Quincy Creek and Megginnis Arm Run

Customer: WQAP

Project ID: SMP

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Apr 7, 2016

Requester: Benjamin Ralys

Collected By: Justin Wallheiser & Robert Wiwi

Field Report Prepared By: Justin Wallheiser

Sampling Agency: FDEP

Location: Quincy Creek 100 meters upstream of Ralph Strong rd	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 6/29/2016 Time 8:45	Eastern / Central	Composite end Date — Time —	Bottle Group(s) (See pg 2): A					
Field ID: GIWA0018	Matrix (type, e.g., Salt, Fresh, etc): Fresh	Diss. Oxygen 7.36	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —						
STORET #: GIWA0018	Temp (C) 23.91	pH 7.10	Sample Depth 0.25	☐ ft ☑ m	Sp. Conductance (umho/cm) 61					
Latitude: 30.5837 ☐ dd ☐ dms	Longitude: -84.5503 ☐ dd ☐ dms	Salinity (ppt) 0.03	Comments							
Location: Tanyard Branch 100 meters upstream of Ralph Strong rd	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 6/29/2016 Time 9:15	Eastern / Central	Composite end Date — Time —	Bottle Group(s): B					
Field ID: GIWA0005	Matrix (type, e.g., Salt, Fresh, etc): Fresh	Diss. Oxygen 5.05	☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —						
STORET #: GIWA0005	Temp (C) 25.19	pH 6.85	Sample Depth 0.15	☐ ft ☑ m	Sp. Conductance (umho/cm) 186					
Latitude: 30.5832 ☑ dd ☐ dms	Longitude: -84.5519 ☐ dd ☐ dms	Salinity (ppt) 0.09	Comments							
Location: Quincy Creek upstream of SR 12	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 6/29/2016 Time 9:50	Eastern / Central	Composite end Date — Time —	Bottle Group(s): A					
Field ID: GIWA0019	Matrix (type, e.g., Salt, Fresh, etc): Fresh	Diss. Oxygen 7.46	☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —						
STORET #: GIWA0019	Temp (C) 23.9	pH 6.95	Sample Depth 0.2	☐ ft ☑ m	Sp. Conductance (umho/cm) 58					
Latitude: 30.5923 ☑ dd ☐ dms	Longitude: -84.5634 ☑ dd ☐ dms	Salinity (ppt) 0.03	Comments							
Location: Little River 100 meters upstream of SR 12	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 6/29/2016 Time 10:40	Eastern / Central	Composite end Date — Time —	Bottle Group(s): B					
Field ID: GIWA0020	Matrix (type, e.g., Salt, Fresh, etc): Fresh	Diss. Oxygen 6.83	☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —						
STORET #: GIWA0020	Temp (C) 25.43	pH 6.89	Sample Depth 0.3	☐ ft ☑ m	Sp. Conductance (umho/cm) 66					
Latitude: 30.5882 ☑ dd ☐ dms	Longitude: -84.4957 ☑ dd ☐ dms	Salinity (ppt) 0.03	Comments							

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Justin Wallheiser	6/29/16 12:44	By hand	2	[illegible]	6/29/16 12:44

Request Number: RQ-2016-06-27-12

Tanyard Branch, Little River, Quincy Creek and Megginnis Arm Run

Customer: WQAP

Project ID: SMP

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Apr 7, 2016

Requester: Benjamin Ralys

Field Report Prepared By:

Collected By: Justin Wallhaser & Robert Wilwi

Sampling Agency: FDEP

Location: Megginnis Arm Run Downstream of shores	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 6/29/2016 Time 12:00 Eastern Central	Composite end Date — Time —	Bottle Group(s) (See pg 2): B							
Field ID: GIWA0033	Matrix (type, e.g., Salt, Fresh, etc): Fresh	Diss. Oxygen: 6.70 ☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L): —								
STORET #: GIWA0033	Temp (C): 29.37	pH: 7.47	Sample Depth: 0.05 ☐ ft ☐ m	Sp. Conductance (umho/cm): 210							
Latitude: 30.47852 ☑ dd ☐ dms	Longitude: -84.29786 ☐ dd ☐ dms	Salinity (ppt): 0.10	Comments								
Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date Time	Bottle Group(s)						
Field ID	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)								
STORET #	Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)							
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments								
Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date Time	Bottle Group(s)						
Field ID	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)								
STORET #	Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)							
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments								
Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date Time	Bottle Group(s)						
Field ID	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)								
STORET #	Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)							
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments								

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Justin Wallhaser	6/29/16 12:44	By hand	2	CR	6/29/16 12:44

Cooler Packing Worksheet for Request: RQ-2016-06-27-12
Tanyard Branch, Little River, Quincy Creek and Megginnis Arm Run
Ship Cooler On: 6/13/2016 Requester: Benjamin Ralys
Customer/Project: WQAP/SMP Priority: 3

850-245-8443
2600 Blair Stone Rd
MS #3560
Tallahassee, FL 32399-2400

Attn: Benjamin Ralys

Comments:
No preservatives needed.

Bottle Group A: freshwater kits including metals
Bottle Group B: freshwater kits no metals

Requested Analyses:

Bottle Group: A # of Sites: 2

Container ID: P-1L **Qty: 2** **Preservation: ICE** **Lot #** 0006935
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-TDS	Total Dissolved Solids in aqueous matrices
W-TSS	Total Suspended Solids in aqueous matrices

Container ID: BP-1L **Qty: 2** **Preservation: ICE** **Lot #** 168614
Description: Brown Plastic Bottle 1L

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

Container ID: P-500ML **Qty: 2** **Preservation: HNO3** **Lot #** 00064947

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

Analysis	Description
W-ICP	Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
W-ICPMS	Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

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Container ID: P-500ML **Qty: 2** **Preservation: ICE And H2SO4** **Lot #** 00064947

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 #** 00064846

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: 3**

Container ID: P-1L **Qty: 3** **Preservation: ICE** **Lot #** 00064935

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-TDS	Total Dissolved Solids in aqueous matrices
W-TSS	Total Suspended Solids in aqueous matrices

Container ID: BP-1L **Qty: 3** **Preservation: ICE** **Lot #** 1168614

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-500ML **Qty: 3** **Preservation: ICE And H2SO4** **Lot #** 0006947

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: 3** **Preservation: ICE-FLTR** **Lot #** 0006146

Description: Plastic Bottle 125 mL

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

Cooler Packed By: Tyler Reynolds Date: 6/16/16

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-2016-06-27-12