1 of 7

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

February 2016

PAGE 4 OF 6 Cn

Data Qualified? Yes / No — D.O.

STORET Station Name: Little River 100 meters upstream of SR 12 **Date:** 5/25/2016 (mm/dd/yyyy)

STORET Station ID: G1WA0020 **Latitude:** 30.5882 (Decimal Degrees)

WBID: 424 **RQ -** RQ-2016-05-23-22 **ORG ID:** 21FLWQA **Longitude:** -84.4957 (Decimal Degrees)

Receiving Body of Water: Lake Talquin **Field ID:** G1WA0020 **County:** Gadsden

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Robert Wiwi		✓		✓	✓
Will Lasley	✓		✓		

Sampling Equipment

- [x] Sample Container
- [ ] Van Dorn
- [ ] Pole
- [ ] Carboy
- [x] Syringe
- [ ] Dipper
- [ ] Other
- Equipment ID

Collection Method

- [x] 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# 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)	1055	0.3	2.0	12.71	142.1	7.1	0.03	0.6	65	20.9
CEN										

Biological Samples Collected: (None) HA SCI LVS RPS LVI Other

Parameter Suite	Parameter Methods	Preservation	Acid Lot#	Expiration	pH Check
Preserved Nutrients	[x] W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	[x] Ice [x] H_2SO_4	5259020	9/16/16	[x] <2
Metals	[ ] W-ICPMS [ ] W-ICP	[ ] Ice [ ] HNO_3			[ ] <2
Filtered Nutrients	[x] W-PO4-F [x] Field Filtered 0.45 µm Filter	[x] Ice			
Chlorophyll	[x] CHLSUITE-W	[x] Ice			
Physical/Aggregate (Kit A/C)	[x] Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	[x] Ice			
Physical/Aggregate (Kit B/D)	[ ] 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			

Place Preservative Sticker(s) Here (If Available)

Notes: D.O. did not pass CCV "J"

G1WA0020 5/25/2016
Little River 100 meters upstream of SR 12

Signature: [signature] **Date:** 5/25/16

Field Parameters Entered into LIMS: (Initials/Date) **Field Parameters QC in LIMS:** (Initials/Date)

Date Migrated to STORET: (Initials/Date) **Field Sheets Scanned/Saved:** CM 5/27/16 (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. X

Meter Biology 2 RQ- 2016-05-23-22 Project SMO

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 03/04/2016

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. Wimi	5/25/16	7:19	21.9	8.8	8.8	100	28.8		P	L
ICV	R. Wimi	5/25/16	7:20	21.9	8.8	8.9	101	28.8		P	L
CCV	Will Lasley	5/25/16	14:26	29.6	7.61	12.33	162.0	30.8		F	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. Wimi	5/25/16	7:25	1603301	4/17	1000	1000	P	L
ICV	R. Wimi	5/25/16	7:26	1603301	4/17	1000	1000	P	L
CCV	Will Lasley	5/25/16	1428	2601533	12/17	100	99	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. Wimi	5/25/16	7:27	1603308	10/17	7.0	7.0	-15.3	P	L
Calibr.	R. Wimi	5/25/16	7:30	154634	7/17	4.0	4.0	164.2	P	L
Calibr.	R. Wimi	5/25/16	7:31	1603300	10/17	10.0	10.0	-183.8	P	L
ICV	R. Wimi	5/25/16	7:34	154634	7/17	4.0	4.0	163.8	P	L
CCV	Will Lasley	5/25/16	1430	1603300	10/17	10.0	10.0	-186.5	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-2016-05-23-22

Tanyard Branch, Quincy Creek, Little River and Ochlockonee River

Customer: WQAP

Project ID: SMP

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Apr 7, 2016

Requester: Benjamin Ralys

Collected By: Will Lasley, Robert Wini

Field Report Prepared By: Robert Wini

Sampling Agency:

Location: Quincy Creek 100 meters upstream of Ralph Strong Rd.
Field ID: G1WA0018
STORET #: G1WA0018
Latitude: 30.5837 dd / dms
Longitude: -84.5503 dd / dms
Comp ☐ / Grab ☑
Collection (comp begin or grab) Date: 5/25/16 Time: 09:10 Eastern / Central
Composite end Date / Time:
Matrix (type, e.g., Salt, Fresh, etc): Fresh
Temp (C): 19.94
pH: 7.10
Diss. Oxygen: 11.96 mg/L / % sat
Total Res. Chlorine (mg/L):
Sample Depth: 0.3 ft / m
Sp. Conductance (umho/cm): 73
Salinity (ppt): 0.03
Comments:
Bottle Group(s) (See pg 2): A

Location: Tanyard Branch 100 meters upstream of Ralph Strong Rd.
Field ID: G1WA0005
STORET #: G1WA0005
Latitude: 30.5832 dd / dms
Longitude: -84.5519 dd / dms
Comp ☐ / Grab ☑
Collection (comp begin or grab) Date: 5/25/16 Time: 09:30 Eastern / Central
Composite end Date / Time:
Matrix (type, e.g., Salt, Fresh, etc): Fresh
Temp (C): 20.97
pH: 6.91
Diss. Oxygen: 8.80 mg/L / % sat
Total Res. Chlorine (mg/L):
Sample Depth: 0.15 ft / m
Sp. Conductance (umho/cm): 172
Salinity (ppt): 0.08
Comments:
Bottle Group(s): B

Location: Quincy Creek upstream of SR 12
Field ID: G1WA0019
STORET #: G1WA0019
Latitude: 30.5923 dd / dms
Longitude: -84.5634 dd / dms
Comp ☐ / Grab ☑
Collection (comp begin or grab) Date: 5/25/16 Time: 10:05 Eastern / Central
Composite end Date / Time:
Matrix (type, e.g., Salt, Fresh, etc): Fresh
Temp (C): 19.93
pH: 7.15
Diss. Oxygen: 12.79 mg/L / % sat
Total Res. Chlorine (mg/L):
Sample Depth: 0.3 ft / m
Sp. Conductance (umho/cm): 63
Salinity (ppt): 0.03
Comments:
Bottle Group(s): A

Location: Little River 100 meters upstream of SR 12
Field ID: G1WA0020
STORET #: G1WA0020
Latitude: 30.5882 dd / dms
Longitude: -84.4957 dd / dms
Comp ☐ / Grab ☑
Collection (comp begin or grab) Date: 5/25/16 Time: 10:55 Eastern / Central
Composite end Date / Time:
Matrix (type, e.g., Salt, Fresh, etc): Fresh
Temp (C): 20.9
pH: 7.1
Diss. Oxygen: 12.71 mg/L / % sat
Total Res. Chlorine (mg/L):
Sample Depth: 0.3 ft / m
Sp. Conductance (umho/cm): 65
Salinity (ppt): 0.03
Comments:
Bottle Group(s): B

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
				CA	5/25/16 2:04 pm

Request Number: RQ-2016-05-23-22

Tanyard Branch, Quincy Creek, Little River and Ochlockonee River

Customer: WQAP

Project ID: SMP

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Apr 7, 2016

Requester: Benjamin Ralys

Collected By: Will Lasley, Robert Wini

Field Report Prepared By: Robert Wini

Sampling Agency:

Location: Ochlockonee River upstream of SR 12	☐ Comp ☑ Grab	Collection (comp begin or grab) Date: 5/25/16 Time: 12:05	Eastern / Central	Composite end Date	Time	Bottle Group(s) (See pg 2): A					
Field ID: G1WA0038		Matrix (type, e.g., Salt, Fresh, etc): Fresh		Diss. Oxygen: 12.13	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)					
STORET #: G1WA0038		Temp (C): 24.55	pH: 7.11	Sample Depth: 0.3	☐ ft ☑ m	Sp. Conductance (umho/cm): 128					
Latitude: 30.67062 ☑ dd ☐ dms	Longitude: -84.30511 ☑ dd ☐ dms	Salinity (ppt): 0.06	Comments								
Location: Ochlockonee River 350m upstream of SR 12	☐ Comp ☑ Grab	Collection (comp begin or grab) Date: 5/25/16 Time: 12:25	Eastern / Central	Composite end Date	Time	Bottle Group(s): A					
Field ID: G1WA0042		Matrix (type, e.g., Salt, Fresh, etc): Fresh		Diss. Oxygen: 12.81	☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L)					
STORET #: G1WA0042		Temp (C): 24.63	pH: 7.05	Sample Depth: 0.3	☐ ft ☑ m	Sp. Conductance (umho/cm): 129					
Latitude: 30.6722 ☑ dd ☐ dms	Longitude: -84.3040 ☑ dd ☐ dms	Salinity (ppt): 0.06	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
				[illegible]	5/25/16 2:04pm

Cooler Packing Worksheet for Request: RQ-2016-05-23-22
Tanyard Branch, Quincy Creek, Little River and Ochlockonee River
Ship Cooler On: 5/9/2016 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 including metals
Bottle Group B: Freshwater no metals

Requested Analyses:

Bottle Group: A # of Sites: 4

Container ID: P-1L **Qty: 4** **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: 4** **Preservation: ICE** Lot # 1168614
Description: Brown Plastic Bottle 1L

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

Container ID: P-500ML **Qty: 4** **Preservation: HNO3** **Lot #** 00064521

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

---

Container ID: P-500ML **Qty: 4** **Preservation: ICE And H2SO4** **Lot #** 00064521

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: 4** **Preservation: ICE-FLTR** **Lot #** 00064520

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 #** 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: 2** **Preservation: ICE** **Lot #** 1168614

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: ICE And H2SO4** **Lot #** 0006494?

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 #** 0006452?

Description: Plastic Bottle 125 mL

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

Cooler Packed By: CW Date: 5/20/16

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 N/A Lot #

ID Lot #

ID Lot #

ID Lot #

ID Lot #

PLEASE RETURN ALL COOLERS FOR RQ-2016-05-23-22