



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

February 2016

PAGE 2 OF 6

Date Qualified?
Yes / No

DO

STORET Station Name: Tanyard Branch 100 meters upstream of Ralph Strong Rd.

Date: 5/25/2016

(mm/dd/yyyy)

STORET Station ID: G1WA0005

Latitude: 30.5832

(Decimal Degrees)

WBID: 595

RQ - RQ-2016-05-23-22

ORG ID: 21FLWQA

Longitude: -84.5519

(Decimal Degrees)

Receiving Body of Water: Little River

Field ID: G1WA0005

County: Gadsden

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

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 / 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	9:30	0.15	0.3	8.80	99.5	6.91	0.08	VOB	172	20.97
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 ☒ H2SO4	5259020	9/16/16	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO2			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice	Place Preservative Sticker(s) Here (If Available)		
Chlorophyll	☒ CHLSUITE-W	☒ Ice			
Physical/Aggregate (Kit A/C)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-IC / W-COLOR / W-SO4-IC / W-TDS	☐ Ice			
Physical/Aggregate (Kit B/D)	☐ Alkalinity / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates	☐ MI-FW-QLDC	☐ Formalin			
Microbiology	☐ E Coli ☐ F Coli ☐ Enterococcus ☐ 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			

Notes: Do did not pass CCV '15'



G1WA0005

5/25/2016

Tanyard Branch 100 meters upstream of Ralph Strong Rd.

Signature:

Date:

Field Parameters Entered into LIMS:

CA 5/27/16

(Initials/Date)

Field Parameters QC in LIMS:

Date Migrated to STORET:

(Initials/Date)

Field Sheets Scanned/Saved:

CA 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.

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

- 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. Wini	5/25/16	7:19	21.9	8.8	8.8	100	28.8		P	L
ICV	R. Wini	5/25/16	7:20	21.9	8.8	8.9	101	28.8		P	L
CCV	Will Lasey	5/25/16	14:26	21.6	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 μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	R. Wini	5/25/16	7:25	1603301	4/17	1000	1000	P	L
ICV	R. Wini	5/25/16	7:26	160330D	4/17	1000	1000	P	L
CCV	Will Lasey	5/25/16	14:28	2601533	12/17	100	99	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.	R. Wini	5/25/16	7:27	160330B	10/17	7.0	7.0	-15.3	P	L
Calibr.	R. Wini	5/25/16	7:30	154634	7/17	4.0	4.0	164.2	P	L
Calibr.	R. Wini	5/25/16	7:31	160330C	10/17	10.0	10.0	-183.8	P	L
ICV	R. Wini	5/24/16	7:34	154634	7/17	4.0	4.0	163.8	P	L
CCV	Will Lasey	5/25/16	14:30	160330C	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 $\pm$ 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-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

Page 1 of 3

last revised Apr 7, 2016

Requester: Benjamin Ralys

Field Report Prepared By:

Robert Wiwi

Collected By: Will Lasley, Robert Wiwi

Sampling Agency:

Location Quincy Creek 100 meters upstream of Ralph Strong Rd.		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 5/25/16 Time 09:10		Eastern Central		Composite end Date Time		Bottle Group(s) (See pg 2)	
Field ID G1WA0018		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 11.96		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		A	
STORET # G1WA0018		Temp (C) 19.94		pH 7.10		Sample Depth 0.3		☐ ft ☒ m		Sp. Conductance (umho/cm) 73	
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 5/25/16 Time 09:30		Eastern Central		Composite end Date Time		Bottle Group(s)	
Field ID G1WA0005		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 8.80		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		B	
STORET # G1WA0005		Temp (C) 20.97		pH 6.91		Sample Depth 0.15		☐ ft ☒ m		Sp. Conductance (umho/cm) 172	
Latitude 30.5832		☒ dd ☐ dms		Longitude -84.5519		☒ dd ☐ dms		Salinity (ppt) 0.08		Comments	
Location Quincy Creek upstream of SR 12		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 5/25/16 Time 10:05		Eastern Central		Composite end Date Time		Bottle Group(s)	
Field ID G1WA0019		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 12.79		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		A	
STORET # G1WA0019		Temp (C) 19.93		pH 7.15		Sample Depth 0.3		☐ ft ☒ m		Sp. Conductance (umho/cm) 63	
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 5/25/16 Time 10:55		Eastern Central		Composite end Date Time		Bottle Group(s)	
Field ID G1WA0020		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 12.71		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		B	
STORET # G1WA0020		Temp (C) 20.9		pH 7.1		Sample Depth 0.3		☐ ft ☒ m		Sp. Conductance (umho/cm) 65	
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: a	Date/Time 5/25/16 2:04 pm
------------------	-----------	-----------------	----------------------------	-------------------	------------------------------

Tanyard Branch, Quincy Creek, Little River and
Ochlockonee River

Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: WQAP

Requester: Benjamin Ralys

Field Report Prepared By:

Robert Wini

Project ID: SMP

Collected By:

Will Lasley, 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		Bottle Group(s)
Field ID		G1WA0038		Matrix (type, e.g., Salt, Fresh, etc)		Fresh		Diss. Oxygen	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		A
STORET #		G1WA0038		Temp (C)		24.55		pH	7.11		Sample Depth	
Latitude		30.67062		Longitude		-84.30511		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		Bottle Group(s)
Field ID		G1WA0042		Matrix (type, e.g., Salt, Fresh, etc)		Fresh		Diss. Oxygen	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		A
STORET #		G1WA0042		Temp (C)		24.63		pH	7.05		Sample Depth	
Latitude		30.6722		Longitude		-84.3040		Salinity (ppt)	0.06		Comments	
Location				☐ Comp ☐ Grab	Collection (comp begin or grab) Date		Time		Eastern Central	Composite end Date		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	
Latitude				Longitude				Salinity (ppt)			Comments	
Location				☐ Comp ☐ Grab	Collection (comp begin or grab) Date		Time		Eastern Central	Composite end Date		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	
Latitude				Longitude				Salinity (ppt)			Comments	

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
				ec	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
Customer/Project: WQAP/SMP

Requester: Benjamin Ralys
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

ALKALINITY
TURBIDITY
W-CL-IC
W-COLOR
W-F
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)
Total Dissolved Solids in aqueous matrices
Total Suspended Solids in aqueous matrices

Container ID: BP-1L

Qty: 4 Preservation: ICE

Lot # 1168614

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

W-ICP

W-ICPMS

Description

Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

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

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: 4 Preservation: ICE-FLTR

Lot # 00064520

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 # 00064935

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

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)

Total Dissolved Solids in aqueous matrices

Total Suspended Solids in aqueous matrices

Container ID: BP-1L

Qty: 2 Preservation: ICE

Lot # 1168614

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

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

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 # 00064520

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Cooler Packed By: CU 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 <u>N/A</u>	Lot # _____
ID _____	Lot # _____
ID _____	Lot # _____
ID _____	Lot # _____
ID _____	Lot # _____

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