



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

June 2016

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Data Qualified?

Yes / No

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

Date: 08/22/2016

(mm/dd/yyyy)

STORET Station ID: G1WA0005

WBID: 595

Latitude: 30.5832

(Decimal Degrees)

County: Gadsden

RQ - 2016-08-22-24

ORG ID: 21FLWQA

Longitude: -84.5519

(Decimal Degrees)

Receiving Body of Water: Quincy Creek

Field ID: G1WA0005-08222016

Sampling Team Members

WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
X	X	X	X	X
	X			

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	10:35	0.1	0.2	6.60	80.4	6.79	0.07	1003	156	25.36
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	6168040	6-16-17	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO2			☐ <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 ☐ 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			

Contains
1:1

Sulfuric Acid

SA-6168040

EXP: 06/16/17

Warning!

See SDS

Notes:

Do del Not Pass CCL "J"



G1WA0005

22 Aug 2016

Tanyard Branch 100 meters upstream of Ralph Strong Rd.

Signature:

[Signature]

Date:

8-22-16

Field Parameters Entered into LIMS:

(Initials/Date)

Field Parameters QC in LIMS:

Date Migrated to STORET:

(Initials/Date)

Field Sheets Scanned/Saved:

(Initials/Date)

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

Do not "X" this box if there is qualified data on this page.

Meter Biology #2

RQ- 2016-08-22-24

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.	Curtis Musson	8/22/16	709	23.12	8.562	8.55	100.0	28.8	—	P	L
ICV	Curtis Musson	8/22/16	710	23.13	8.562	8.55	99.9	28.8	—	P	L
CCV	Curtis Musson	8/22/16	1533	23.00	8.578	7.09	83.0	21.6	—	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 μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Curtis Musson	8/22/16	713	160330D	04/2017	1000	1000	P	L
ICV	Curtis Musson	8/22/16	714	160330D	04/2017	1000	1000	P	L
CCV	Curtis Musson	8/22/16	1535	2601533	12-2017	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.	Curtis Musson	8/22/16	716	160330B	10/2017	7.0	7.00	-20.7	P	L
Calibr.	Curtis Musson	8/22/16	718	160330A	4/2017	4.01	4.01	158.4	P	L
Calibr.	Curtis Musson	8/22/16	720	160330C	10/2017	10.01	9.98	-189.4	P	L
ICV	Curtis Musson	8/22/16	722	160330A	4/2017	4.01	3.98	158.3	P	L
CCV	Curtis Musson	8/22/16	1538	160330C	10/2017	10.01	10.06	-185.0	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

Tanyard Branch, Little River and Chicken Branch

Customer: WQAP

Project ID: SMP

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Requester: Benjamin Ralys

Collected By: Curtis Mason/Kelly Marshall

Field Report Prepared By:

Sampling Agency:

Location		Chicken Branch @ Old Plank Rd		Collection (comp begin or grab)		Time		0800		Eastern Composite end		Time		Bottle Group(s)	
Field ID	GLWA0031 - 08222016	Matrix (type, e.g., Salt, Fresh, etc)	Fresh	Temp (C)	21.6	pH	7.3	Sample Depth	0.3	Diss. Oxygen	5.9	% sat	67	Total Res. Chlorine	(See pg 2)
STORET #	GLWA0031	Temp (C)	21.6	pH	7.3	Sample Depth	0.3	Diss. Oxygen	5.9	% sat	67	Total Res. Chlorine	276		A
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	0.13	Comments									
Location		Killeen Chain of Lakes Outlet at Verta Dwyer Rd		Collection (comp begin or grab)		Time		0950		Eastern Composite end		Time		Bottle Group(s)	
Field ID	GLWA0015 - 08222016	Matrix (type, e.g., Salt, Fresh, etc)	Fresh	Temp (C)	27.2	pH	6.6	Sample Depth	0.15	Diss. Oxygen	6.9	% sat	87	Total Res. Chlorine	
STORET #	GLWA0015	Temp (C)	27.2	pH	6.6	Sample Depth	0.15	Diss. Oxygen	6.9	% sat	87	Total Res. Chlorine	63		A
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	0.03	Comments									
Location		Tanyard Branch 100 meters upstream of Strong Rd.		Collection (comp begin or grab)		Time		1035		Eastern Composite end		Time		Bottle Group(s)	
Field ID	GLWA0005 - 08222016	Matrix (type, e.g., Salt, Fresh, etc)	Fresh	Temp (C)	25.4	pH	6.8	Sample Depth	0.2	Diss. Oxygen	6.6	% sat	80.4	Total Res. Chlorine	
STORET #	GLWA0005	Temp (C)	25.4	pH	6.8	Sample Depth	0.2	Diss. Oxygen	6.6	% sat	80.4	Total Res. Chlorine	156		A
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	0.07	Comments									
Location		Little River 100 meters upstream of SR 12		Collection (comp begin or grab)		Time		1305		Eastern Composite end		Time		Bottle Group(s)	
Field ID	GLWA0020 - 08222016	Matrix (type, e.g., Salt, Fresh, etc)	Fresh	Temp (C)	26.2	pH	6.9	Sample Depth	0.3	Diss. Oxygen	8.5	% sat	105	Total Res. Chlorine	
STORET #	GLWA0020	Temp (C)	26.2	pH	6.9	Sample Depth	0.3	Diss. Oxygen	8.5	% sat	105	Total Res. Chlorine	86		A/B
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	0.04	Comments									

Relinquished By:

Date/Time

Curtis Mason 8/22/16 1425

Shipping Method

Hand

Number of Coolers Shipped:

Received By:

Date/Time

8/22/16/1425

Cooler Packing Worksheet for Request: RQ-2016-08-22-24

Tanyard Branch, Little River and Chicken Branch

Ship Cooler On: 8/8/2016

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 kits no metals

Bottle Group B: Biology SCI

Bottle Group C: Biology Algal

Requested Analyses:

Bottle Group: A

of Sites: 3

Container ID: P-1L

Qty: 3 Preservation: ICE

Lot # 00065181

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: 3 Preservation: ICE

Lot # 1170333

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-500ML

Qty: 3 Preservation: ICE And H2SO4

Lot # 00065372

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: 3 Preservation: ICE-FLTR

Lot # 00065393

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: 1

Container ID: PJ-2L

Qty: 2 Preservation: Formalin

Lot # BLOW ASH

Description: Plastic Jar 2 L

Analysis

MI-FW-QLDC

Description

No. Taxa of FW macroinverts, qual samp, 20 dipnets.

Bottle Group: C

of Sites: 1

Container ID: PT-50ML

Qty: 1 Preservation: ICE

Lot # 430897

Description: Plastic Tube 50 mL

Analysis

ALGAL_ID

Description

Qualitative assessment of algal taxa present without counts

Cooler Packed By: 2 coolers Cu Date: 8/15/16
DEP Cooler ID #(s): _____

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 <u>N/A</u>	Lot # _____
ID _____	Lot # _____
ID _____	Lot # _____
ID _____	Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2016-08-22-24