



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

June 2016

PAGE 1 OF 1

Data Qualified?

Yes / No

STORET Station Name: Megginis Arm Run Downstream of Sharer

Date: 06/29/2016

STORET Station ID: G1WA0033

WBID: 809A

Latitude: 30.47852

(mm/dd/yyyy)

County: Leon

RQ - 2016-06-27-12

ORG ID: 21FLWQA

Longitude: -84.29786

(Decimal Degrees)

(Decimal Degrees)

Receiving Body of Water: Lake Jackson

Field ID: G1WA0033

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
Justin Wallheiser									☒ Sample Container	☐ Van Dorn	☐ Pole	
Robert Wiwi									☐ 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	12:00	0.05	0.1	6.70	827	7.47	0.10		210	29.39		
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						
Chlorophyll		☒ CHL-SUITE-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				☐ Ice						
		☐ W-PC-AA-SF ☐ W-UHERB-AA ☐ W-GLYPH				☐ Other						

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

Active Sticker(s) Here (Available)

Notes:



G1WA0033 29 June 2016

Megginis Arm Run Downstream of Sharer

Signature:

Date:

Field Parameters Entered into LIMS:

Field Parameters QC in LIMS:

Date Migrated to STORET:

Field Sheets Scanned/Saved:

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

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	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 $+180 \pm 50$;

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

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

Tanyard Branch, Little River, Quincy Creek and
Megginis Arm RunFlorida Department of Environmental Protection
Central Laboratory Submittal Form

Page 1 of 3

last revised Apr 7, 2016

Customer: WQAP

Requester: Benjamin Ralys

Field Report Prepared By: Justin Wallheiser

Project ID: SMP

Collected By: Justin Wallheiser + Robert WiwiSampling Agency: FDEP

Location <u>Quincy Creek 100 meters upstream of Ralph Strong rd</u>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>6/29/2016</u> Time <u>8:45</u>	<u>Eastern</u> Central	Composite end Date — Time —	Bottle Group(s) (See pg 2)
Field ID <u>G1WA0018</u>		Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>7.36</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —
STORET # <u>G1WA0018</u>		Temp (C) <u>23.91</u>	pH <u>7.10</u>	Sample Depth <u>0.25</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>61</u>
Latitude <u>30.5837</u>	☐ dd ☐ dms	Longitude <u>-84.5503</u>	☐ dd ☐ dms	Salinity (ppt) <u>0.03</u>	Comments	
Location <u>Tanyard Branch 100 meters upstream of Ralph Strong rd</u>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>6/29/2016</u> Time <u>9:15</u>	<u>Eastern</u> Central	Composite end Date — Time —	Bottle Group(s)
Field ID <u>G1WA0005</u>		Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>5.05</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —
STORET # <u>G1WA0005</u>		Temp (C) <u>25.19</u>	pH <u>6.85</u>	Sample Depth <u>0.15</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>186</u>
Latitude <u>30.5832</u>	☒ dd ☐ dms	Longitude <u>-84.5519</u>	☐ dd ☐ dms	Salinity (ppt) <u>0.09</u>	Comments	
Location <u>Quincy Creek upstream of SR 12</u>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>6/29/2016</u> Time <u>9:50</u>	<u>Eastern</u> Central	Composite end Date — Time —	Bottle Group(s)
Field ID <u>G1WA0019</u>		Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>7.46</u>	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —
STORET # <u>G1WA0019</u>		Temp (C) <u>23.9</u>	pH <u>6.95</u>	Sample Depth <u>0.2</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>58</u>
Latitude <u>30.5923</u>	☐ dd ☐ dms	Longitude <u>-84.5634</u>	☐ dd ☐ dms	Salinity (ppt) <u>0.03</u>	Comments	
Location <u>Little River 100 meters upstream of SR 12</u>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>6/29/2016</u> Time <u>10:40</u>	<u>Eastern</u> Central	Composite end Date — Time —	Bottle Group(s)
Field ID <u>G1WA0020</u>		Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>6.83</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —
STORET # <u>G1WA0020</u>		Temp (C) <u>25.43</u>	pH <u>6.89</u>	Sample Depth <u>0.3</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>66</u>
Latitude <u>30.5882</u>	☐ dd ☐ dms	Longitude <u>-84.4957</u>	☐ dd ☐ dms	Salinity (ppt) <u>0.03</u>	Comments	

Relinquished By: <u>Justin Wallheiser</u>	Date/Time <u>6/29/16 12:44</u>	Shipping Method <u>By hand</u>	Number of Coolers Shipped: <u>2</u>	Received By: <u>C</u>	Date/Time <u>6/29/16 12:44</u>
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Request Number: RQ-2016-06-27-12

Tanyard Branch, Little River, Quincy Creek and
Megginnis Arm RunFlorida Department of Environmental Protection
Central Laboratory Submittal Form

Page 1 of 3

last revised Apr 7, 2016

Customer: WQAP

Requester: Benjamin Ralys

Field Report Prepared By:

Project ID: SMP

Collected By: Justin Walkuser + Robert W. W.

Sampling Agency: FDEP

Location Megginnis Arm Run Downstream of shorer		☐ 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)	
Field ID GIWA0033		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 6.70		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		B	
STORET # GIWA0033		Temp (C) 29.37		pH 7.47		Sample Depth 0.05		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		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		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		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		Sp. Conductance (umho/cm)			
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt)		Comments					

Relinquished By: Justin Walkuser	Date/Time 6/29/16 12:44	Shipping Method By hand	Number of Coolers Shipped: 2	Received By: C	Date/Time 6/29/16 12:44
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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
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 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 # 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: HNO3

Lot # 00064947

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: 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 # 00064846

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: 3

Container ID: P-1L

Qty: 3 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: 3 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: 3 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: 3 Preservation: ICE-FLTR

Lot # 00064946

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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