



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

February 2016

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Data Qualified?
Yes / No

STORET Station Name: Ochlockonee River upstream of SR 12

Date: 5/25/2016

(mm/dd/yyyy)

STORET Station ID: G1WA0038

Latitude: 30.67062

(Decimal Degrees)

WBID: 1297F

RQ - RQ-2016-05-23-22

ORG ID: 21FLWQA

Longitude: -84.30511

(Decimal Degrees)

Receiving Body of Water: Lake Talquin

Field ID: G1WA0038

County: Gadsden

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Will Lindsey									
Robert Wini									

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	12:05	0.3	1.5	12.13	146.3	7.11	0.06	0.6	128	24.55
CEN	12:10	1.0		12.74	153.4	7.07	0.06		128	24.55

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 ☒ HNO3	5259030	9/16/16	☒ <2
Filtered Nutrients	☐ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☐ Ice			
Chlorophyll	☒ CHLSUITE-W	☐ Ice			
Physical/Aggregate (Kit A/C)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CI-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			

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

Notes: Do, did not pass CCV "j"	 G1WA0038 5/25/2016 Ochlockonee River upstream of SR 12
Signature: [Signature]	Date: 5/25/16

Field Parameters Entered into LIMS: [Signature] 5/27/2016 (Initials/Date)
Date Migrated to STORET: (Initials/Date)
Field Parameters QC in LIMS: (Initials/Date)
Field Sheets Scanned/Saved: [Signature] 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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	R. Wini	5/25/16	7:25	160330D	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	5/25/16	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 ± 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

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WQAP

Project ID: SMP

Requester: Benjamin Rayls

Field Report Prepared By:

Collected By:

Will Casley, Robert Wini

Sampling Agency:

Robert Wini

Location	Field ID	Latitude	Longitude	Matrix (type, e.g., Salt, Fresh, etc)	Temp (C)	pH	Salinity (ppt)	Collection (comp begin or grab)	Date	Time	Composite end Date	Time	Bottle Group(s)
Quincy Creek 100 meters upstream of Ralph Strong Rd.	G1WAO018	30.5837	-84.5503	Fresh	19.94	7.10	0.03	Comp	5/25/16	09:10	09:10	09:10	A
Tanyard Branch 100 meters upstream of Ralph Strong Rd.	G1WAO005	30.5832	-84.5519	Fresh	20.97	6.91	0.08	Comp	5/25/16	09:30	09:30	09:30	B
Quincy Creek upstream of SR 12	G1WAO019	30.5923	-84.5634	Fresh	19.93	7.15	0.03	Comp	5/25/16	10:05	10:05	10:05	A
Little River 100 meters upstream of SR 12	G1WAO020	30.5882	-84.4957	Fresh	20.9	7.1	0.03	Comp	5/25/16	10:55	10:55	10:55	B

Relinquished By:

Date/Time

Shipping Method

Number of Coolers Shipped:

Received By:

Date/Time

5/25/16 2:04 pm

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WQAP

Project ID: SMP

Requester: Benjamin Ralys

Collected By: Will Lindsey, 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		Composite end		Date		Time		Bottle Group(s)	
Field ID		G1WA0038		☐ Matrix		Type, e.g., Salt, Fresh, etc)		Fresh		Diss. Oxygen		mg/L		Total Res. Chlorine		(mg/L)			
STORET #		G1WA0038		☐ Temp		(C)		24.55		pH		7.11		Sample Depth		0.3		128	
Latitude		30.67062		☐ dd		☐ dms		Longitude		-84.30511		☐ dd		☐ dms		Salinity (ppt)		0.06	
Location		Ochlockonee River 350m upstream of SR 12		☐ Comp Grab		Collection (comp begin or grab)		Date 5/25/16		Time 12:25		Composite end		Date		Time		Bottle Group(s)	
Field ID		G1WA0042		☐ Matrix		Type, e.g., Salt, Fresh, etc)		Fresh		Diss. Oxygen		mg/L		Total Res. Chlorine		(mg/L)			
STORET #		G1WA0042		☐ Temp		(C)		24.63		pH		7.05		Sample Depth		0.3		129	
Latitude		30.6722		☐ dd		☐ dms		Longitude		-84.3040		☐ dd		☐ dms		Salinity (ppt)		0.06	
Location				☐ Comp Grab		Collection (comp begin or grab)		Date		Time		Composite end		Date		Time		Bottle Group(s)	
Field ID				☐ Matrix		Type, e.g., Salt, Fresh, etc)				Diss. Oxygen		mg/L		Total Res. Chlorine		(mg/L)			
STORET #				☐ Temp		(C)				pH				Sample Depth					
Latitude				☐ dd		☐ dms		Longitude				☐ dd		☐ dms		Salinity (ppt)			
Location				☐ Comp Grab		Collection (comp begin or grab)		Date		Time		Composite end		Date		Time		Bottle Group(s)	
Field ID				☐ Matrix		Type, e.g., Salt, Fresh, etc)				Diss. Oxygen		mg/L		Total Res. Chlorine		(mg/L)			
STORET #				☐ Temp		(C)				pH				Sample Depth					
Latitude				☐ dd		☐ dms		Longitude				☐ dd		☐ dms		Salinity (ppt)			

Relinquished By: Shipping Method: Number of Coolers Shipped:

Received By: ew

Date/Time

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 _____	Lot # _____
ID _____	Lot # _____
ID _____	Lot # _____
ID _____	Lot # _____
ID _____	Lot # _____

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