



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

PAGE 1 OF 7

Data Qualified?

Yes / No

June 2016

STORET Station Name: Megginnis Arm Run Downstream of Sharer

Date: 9/22/2016

(mm/dd/yyyy)

STORET Station ID: G1WA0033

WBID: 809A

Latitude: 30.4804

(Decimal Degrees)

County: Leon

RQ - 2016-09-19-45

ORG ID: 21FLWQA

Longitude: -84.2982

(Decimal Degrees)

Receiving Body of Water: Ochlockonee - St. Marks

Field ID: G1WA0033_09222016

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
William Lasley			X	X		
Raymond Stuart		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 / <u>Normal</u> / High / Flooded						Matrix: <u>Fresh</u> / Marine / DI					
Meter ID# <u>Biology #2</u>			Photos: Yes / <u>No</u>			Tide Falling: Yes / No / <u>NA</u>					
Time Zone	Time	Sample Depth (m)	Total Depth (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (ppt)	Secchi Disk (m)	Sp COND (umhos/cm)	Temp. (C°)	
EST	09:26	0.45	0.93	4.85	58.4	7.0	0.07	0.7	150	24.9	
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	SA-6209120	7/27/17	☒ <2		
Metals	☐ W-ICPMS ☐ W-ICP				☐ Ice ☐ HNO2			☐ <2		
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um 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 ☐ Enteroc ☐ 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					

Notes: Oily sheen on surface
low flow
surface scum

Place Label Here
(If Available)

Signature:

Date: 9/29/16

Field Parameters Entered into LIMS: DL 9/29/16

(Initials/Date)

Field Parameters QC in LIMS: _____

(Initials/Date)

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)

Boldly "X" this box if there is qualified data on this page.

Meter Biology #2

RQ- 2016-09-19-45

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.	Will Lasley	9/22	0733	21.6	8.81	8.80	99.9	47.1	-	P	L
ICV	Will Lasley	9/22	0735	21.7	8.79	8.78	99.9	47.1	-	P	L
CCV	Will Lasley	9/22	1549	28.6	7.88	7.80	100.8	-46.6	-	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.	Will Lasley	9/22	0736	160330B	4/2017	1000	1002	P	L
ICV	Will Lasley	9/22	0737	160330B	4/2017	1000	1001	P	L
CCV	Will Lasley	9/22	1551	2601533	12/2017	100	103	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.	Will Lasley	9/22	0742	160330B	10/2017	7.0	7.0	-19.9	P	L
Calibr.	Will Lasley	9/22	0744	160330A	4/2017	4.0	4.0	158.9	P	L
Calibr.	Will Lasley	9/22	0746	160330C	10/2017	10.0	10.0	-187.0	P	L
ICV	Will Lasley	9/22	0747	160330C	10/2017	10.0	10.0	-186.7	P	L
CCV	Will Lasley	9/22	1553	160330A	4/2017	4.0	4.0	157.7	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

Central Drainage Ditch, Lake Talquin, Lake Tallavanna
and Stafford Creek

last revised Apr 7, 2016

Customer: WQAP

Requester: Benjamin Ralys

Field Report Prepared By: RS, WL

Project ID: SMP

Collected By: RS, WL

Sampling Agency: 21BWAQA

Location		Central Drainage Ditch		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Comp	Grab	Date	Time	Diss. Oxygen	Total Res. Chlorine	(See pg 2)	
STORET #						4.78	—	A, B	
Latitude	30.4095	Longitude	-84.3073			Sample Depth	0.3	167	
Location		Morgan's Arm Run Downstream of Shaver		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Comp	Grab	Date	Time	Diss. Oxygen	Total Res. Chlorine	(See pg 2)	
STORET #						4.85	—	A	
Latitude	30.4804	Longitude	-84.2982			Sample Depth	0.45	150	
Location		Lake Talquin Middle		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Comp	Grab	Date	Time	Diss. Oxygen	Total Res. Chlorine	(See pg 2)	
STORET #						6.61	—	A, B	
Latitude	30.44904	Longitude	-84.52323			Sample Depth	0.3	73	
Location		Stafford Creek 100 meters upstream of SR69		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Comp	Grab	Date	Time	Diss. Oxygen	Total Res. Chlorine	(See pg 2)	
STORET #						6.73	—	A, B	
Latitude	30.4991	Longitude	-85.0427			Sample Depth	0.3	72	

Relinquished By:	Date/Time	Number of Coolers Shipped:	Received By:	Date/Time
<i>[Signature]</i>	9/22/16			

Sampling Agency:

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
<i>[Signature]</i>	9/22/2016				

Cooler Packing Worksheet for Request: RQ-2016-09-19-45
Central Drainage Ditch, Lake Talquin, Lake Tallavanna and Stafford Creek

Ship Cooler On: 9/17/2016
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 Chemistry no metals

Bottle Group B: Freshwater Pesticides

Bottle Group C: Phytoplankton

~~Bottle Group D:~~ **PYR**

Requested Analyses:

Bottle Group: A

of Sites: 5

Container ID: P-1L

Qty: 5 Preservation: ICE

Lot # 00065181

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

W-SO4-IC

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)

Sulfate in aqueous matrices

Total Dissolved Solids in aqueous matrices

Total Suspended Solids in aqueous matrices

Container ID: BP-1L

Qty: 5 Preservation: ICE

Lot # 1172350

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-500ML

Qty: 5 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: 5 Preservation: ICE-FLTR

Lot # 00065781

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: 4

Container ID: BG-1L

Qty: 4 Preservation: ICE

Lot # 00065369

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-AHERB-AA
W-GLYPH
W-UHERB-AA

Description

Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS
Glyphosate in water matrices by HPLC/MS/MS
Urea herbicides and other chemicals in water matrices by HPLC/MS/MS

Container ID: BG-1L

Qty: 10 Preservation: ICE

Lot # 00065369

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-PC-AA-SF

Description

Organochlorine pesticides (low levels) in water matrices by GC/ECD.

Container ID: BG-1L

Qty: 10 Preservation: ICE

Lot # 00065369

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-PSNP-TQ

Description

Organonitrogen and phosphorus pesticides (ultra trace level) in water matrices by GC/MS/MS

Bottle Group: C

of Sites: 1

Container ID: BP-1L

Qty: 1 Preservation: Lugols

Lot # 1172350

Description: Brown Plastic Bottle 1L

Analysis

DTY-QN-C

PKD-QN-BV

Description

No. of diatom taxa of quantitative phytoplankton sample.

No. of wet taxa of quantitative phytoplankton sample w/speciation and cell counts.

Cooler Packed By: CR Date: 9/14/16

DEP Cooler ID #(s): 6 codes

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

PLEASE RETURN ALL COOLERS FOR RQ-2016-09-19-45