



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

June 2016

PAGE 1 OF 7
Data Qualified?
Yes / No

STORET Station Name: Central Drainage Ditch

Date: 9/22/2016

(mm/dd/yyyy)

STORET Station ID: G1WA0026

WBID: 857

Latitude: 30.4095

(Decimal Degrees)

County: Leon

RQ - 2016-09-19-45

ORG ID: 21FLWQA

Longitude: -84.3073

(Decimal Degrees)

Receiving Body of Water: Ochlockonee - St. Marks

Field ID: G1WA0026_09222016

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
William Lasley									☒ Sample Container	☐ Van Dorn	☐ Pole	
Raymond Stuart									☐ 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 / <u>No</u> / 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	08:26	0.3	0.7	4.78	59.7	7.42	0.08	VOB	167	26.7		
CEN												
Biological Samples Collected: <u>None</u> 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 ☐ HNO3					☐ <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-CI-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: more trash than usual



G1WA0032 22 Sept 2016

Central Drainage Ditch downstream of Orange Ave.

Signature: *[Signature]*

Date: 9/29/16

Field Parameters Entered into LIMS: *[Signature]* 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 name.

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 $\mu\text{mhos/cm}$	Meter Reading $\mu\text{mhos/cm}$	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 $\pm 0.05\text{m}$, whichever is greater

Florida Department of Environmental Protection
Central Laboratory Submittal FormCentral 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, WLSampling Agency: 21BWA

Location		Central Drainage Ditch		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Comp	Grab	Date	Time	0826	Time		
STORET #		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine		A, B	
		Fresh		4.78		—			
Latitude		Temp (C)	pH	Salinity (ppt)	Sample Depth	Sp. Conductance (umho/cm)			
		26.7	7.4	0.08	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	0926	Time		
STORET #		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine		A	
		Fresh		4.85		—			
Latitude		Temp (C)	pH	Salinity (ppt)	Sample Depth	Sp. Conductance (umho/cm)			
		24.9	7.0	0.07	0.45	150			
Location		Lake Talquin Middle		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Comp	Grab	Date	Time	1022	Time		
STORET #		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine		A, B	
		Fresh		6.61		—			
Latitude		Temp (C)	pH	Salinity (ppt)	Sample Depth	Sp. Conductance (umho/cm)			
		28.3	7.2	0.03	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	1146	Time		
STORET #		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine		A, B	
		Fresh		6.73		—			
Latitude		Temp (C)	pH	Salinity (ppt)	Sample Depth	Sp. Conductance (umho/cm)			
		24.7	6.7	0.03	0.3	72			

Relinquished By: <u>[Signature]</u>	Date/Time: <u>9/22/16</u>	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
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Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Apr 7, 2016

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

Customer: WQAP

Requester: Benjamin Ralys

Field Report Prepared By:

Project ID: SMP

Collected By:

Sampling Agency:

Location		Tallavanna Lake		Collection (comp begin or grab)		Eastern Central		Composite end		Bottle Group(s)	
Field ID		G1WA0045-09222016		Date 9/22/16		Time 1400		mg/L Total Res. Chlorine		(See pg 2)	
STORET #		61WA0045		pH 9.1		Diss. Oxygen 11.23		Total Res. Chlorine		A,B,C	
Latitude		30.59962		Temp (C) 30.9		Sample Depth 0.3		Sp. Conductance (umho/cm)		263	
Longitude		-84.46593		Salinity (ppt) 0.12		Comments					
Location				Collection (comp begin or grab)		Eastern Central		Composite end		Bottle Group(s)	
Field ID				Date		Time		mg/L Total Res. Chlorine			
STORET #				pH		Diss. Oxygen		Total Res. Chlorine			
Latitude				Temp (C)		Sample Depth		Sp. Conductance (umho/cm)			
Longitude				Salinity (ppt)		Comments					
Location				Collection (comp begin or grab)		Eastern Central		Composite end		Bottle Group(s)	
Field ID				Date		Time		mg/L Total Res. Chlorine			
STORET #				pH		Diss. Oxygen		Total Res. Chlorine			
Latitude				Temp (C)		Sample Depth		Sp. Conductance (umho/cm)			
Longitude				Salinity (ppt)		Comments					
Location				Collection (comp begin or grab)		Eastern Central		Composite end		Bottle Group(s)	
Field ID				Date		Time		mg/L Total Res. Chlorine			
STORET #				pH		Diss. Oxygen		Total Res. Chlorine			
Latitude				Temp (C)		Sample Depth		Sp. Conductance (umho/cm)			
Longitude				Salinity (ppt)		Comments					
Location				Collection (comp begin or grab)		Eastern Central		Composite end		Bottle Group(s)	
Field ID				Date		Time		mg/L Total Res. Chlorine			
STORET #				pH		Diss. Oxygen		Total Res. Chlorine			
Latitude				Temp (C)		Sample Depth		Sp. Conductance (umho/cm)			
Longitude				Salinity (ppt)		Comments					

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: CW 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