



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2017

PAGE 1 OF 8

Data Qualified?

Yes / No

STORET Station Name: Harbinwood Estates Drain

Date: 2/22/2017

STORET Station ID: G1WA0034

WBID: 746A

Latitude: 30.5193

(mm/dd/yyyy)

County: Leon

RQ - 2017-02-20-27

ORG ID: 21FLWQA

Longitude: -84.3357

(Decimal Degrees)

Receiving Body of Water: Lake Jackson

Field ID: G1WA0034-02222017

(Decimal Degrees)

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
Curtis Musson Robert Wiwi									☒ 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 / Pooled / 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	11:40	0.05	0.1	—	—	7.3	0.05	VOB	105	18.8		
CEN												
Biological Samples Collected: None / HA / SCI / RPS / Algae ID / LVS / LVI / Other												
SBIO ID Numbers: SBIO-ID: RPS-ID: Macrophyte-ID: LIMS#:												
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				☐ <2			
Metals	☐ W-ICPMS ☐ W-ICP				☐ Ice ☐ HNO2				☐ <2			
Filtered Nutrients	☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter				☐ Ice				Place Preservative Sticker(s) Here (If Available)			
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							
Periphyton	☐ ALGAE-ID				☐ Ice							
Microbiology	☒ E Coli ☐ F Coli ☐ Entero ☒ PCR-FILTER				☒ Ice							
Tracers	☒ W-SUC-AA-R ☒ W-UHERB-AA				☒ Ice							
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R				☐ Ice							
	☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH				☐ Other							

Notes:

FW Bact, Tracers, Marke Field ID →

Group B, C
DO probe malfunctioning
Harbinwood Estates Drain
FEB 22, 2017

G1WA0034-02222017

STORET ↓

Harbinwood
Estates Drain

G1WA0034

Signature:

Date: 2/22/17

Field Parameters Entered into LIMS: DC 2/23/17

(Initials/Date)

Field Parameters QC in LIMS:

(Initials/Date)

Date Migrated to STORET:

(Initials/Date)

Field Sheets Scanned/Saved: DC 2/23/17

(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- 2017-02-20-27 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 09/23/2016

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	2/21/17									
ICV											
CCV											
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.	Curtis Musson	2/21/17	16:12	161111D	11/2017	1000	1000	Pass	LAB
ICV	Curtis Musson	2/21/17	16:13	161111D	11/2017	1000	1000	Pass	LAB
CCV	Robert Wini	2/22/17	13:46	161111E	5/17	100	101	P	LAB
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	2/21/17	14:15	161111B	5/2018	7.0	7.00	-23	Pass	LAB
Calibr.	Curtis Musson	2/21/17	14:18	161111A	11/2017	4.01	4.01	158	Pass	LAB
Calibr.	Curtis Musson	2/21/17	14:20	161111C	5/2018	10.01	10.01	-183	Pass	LAB
ICV	Curtis Musson	2/21/17	14:22	161111C	5/2018	10.01	9.98	-183	Pass	LAB
CCV	Robert Wini	2/22/17	13:48	161111A	11/17	4.01	4.19	147.5	P	L
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 $\pm$ 50;

mV pH 4 Range +180 $\pm$ 50;

mV pH 10 Range -180 $\pm$ 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

Field ID →		Collection (comp begin or grab)	Date	Time	Eastern Central	Collection (comp begin or grab)	Date	Time	Bottle Group(s)
 G1WA0058-02222017 Aj Henry Park Pond Middle Feb 22, 2017		☐ Comp ☒ Grab Matrix (Salt, Fresh)	2/22/17	8:15	Eastern Central	☐ Comp ☒ Grab Matrix (Salt, Fresh)	2/22/17	8:55	A
STORET ↓ G1WA0058									
Lake Arrowhead at boat dock at Turtle Crk Ln near outlet Feb 22, 2017		☐ Comp ☒ Grab Matrix (Salt, Fresh)	2/22/17	8:55	Eastern Central	☐ Comp ☒ Grab Matrix (Salt, Fresh)	2/22/17	8:55	A
STORET ↓ G1WA0004-02222017									
Lake Arrowhead at boat dock at Turtle Crk Ln near outlet Feb 22, 2017		☐ Comp ☒ Grab Matrix (Salt, Fresh)	2/22/17	8:55	Eastern Central	☐ Comp ☒ Grab Matrix (Salt, Fresh)	2/22/17	8:55	A
STORET ↓ G1WA0004									
Tallavanna Lake Middle Feb 22, 2017		☐ Comp ☒ Grab Matrix (Salt, Fresh)	2/22/17	9:50	Eastern Central	☐ Comp ☒ Grab Matrix (Salt, Fresh)	2/22/17	9:50	A, B
STORET ↓ G1WA0045-02222017									
Tallavanna Lake Middle Feb 22, 2017		☐ Comp ☒ Grab Matrix (Salt, Fresh)	2/22/17	9:50	Eastern Central	☐ Comp ☒ Grab Matrix (Salt, Fresh)	2/22/17	9:50	A, B
STORET ↓ G1WA0045									
Tallavanna Lake Middle Feb 22, 2017		☐ Comp ☒ Grab Matrix (Salt, Fresh)	2/22/17	9:50	Eastern Central	☐ Comp ☒ Grab Matrix (Salt, Fresh)	2/22/17	9:50	A, B
STORET ↓ G1WA0045									
Tallavanna Lake Middle Feb 22, 2017		☐ Comp ☒ Grab Matrix (Salt, Fresh)	2/22/17	9:50	Eastern Central	☐ Comp ☒ Grab Matrix (Salt, Fresh)	2/22/17	9:50	A, B
STORET ↓ G1WA0045									
Tallavanna Lake Middle Feb 22, 2017		☐ Comp ☒ Grab Matrix (Salt, Fresh)	2/22/17	9:50	Eastern Central	☐ Comp ☒ Grab Matrix (Salt, Fresh)	2/22/17	9:50	A, B
STORET ↓ G1WA0045									
Tallavanna Lake Middle Feb 22, 2017		☐ Comp ☒ Grab Matrix (Salt, Fresh)	2/22/17	9:50	Eastern Central	☐ Comp ☒ Grab Matrix (Salt, Fresh)	2/22/17	9:50	A, B
STORET ↓ G1WA0045									
Tallavanna Lake Middle Feb 22, 2017		☐ Comp ☒ Grab Matrix (Salt, Fresh)	2/22/17	9:50	Eastern Central	☐ Comp ☒ Grab Matrix (Salt, Fresh)	2/22/17	9:50	A, B
STORET ↓ G1WA0045									
Tallavanna Lake Middle Feb 22, 2017		☐ Comp ☒ Grab Matrix (Salt, Fresh)	2/22/17	9:50	Eastern Central	☐ Comp ☒ Grab Matrix (Salt, Fresh)	2/22/17	9:50	A, B
STORET ↓ G1WA0045									
Tallavanna Lake Middle Feb 22, 2017		☐ Comp ☒ Grab Matrix (Salt, Fresh)	2/22/17	9:50	Eastern Central	☐ Comp ☒ Grab Matrix (Salt, Fresh)	2/22/17	9:50	A, B
STORET ↓ G1WA0045									
Tallavanna Lake Middle Feb 22, 2017		☐ Comp ☒ Grab Matrix (Salt, Fresh)	2/22/17	9:50	Eastern Central	☐ Comp ☒ Grab Matrix (Salt, Fresh)	2/22/17	9:50	A, B
STORET ↓ G1WA0045									
Tallavanna Lake Middle Feb 22, 2017		☐ Comp ☒ Grab Matrix (Salt, Fresh)	2/22/17	9:50	Eastern Central	☐ Comp ☒ Grab Matrix (Salt, Fresh)	2/22/17	9:50	A, B
STORET ↓ G1WA0045									
Tallavanna Lake Middle Feb 22, 2017		☐ Comp ☒ Grab Matrix (Salt, Fresh)	2/22/17	9:50	Eastern Central	☐ Comp ☒ Grab Matrix (Salt, Fresh)	2/22/17	9:50	A, B
STORET ↓ G1WA0045									
Tallavanna Lake Middle Feb 22, 2017		☐ Comp ☒ Grab Matrix (Salt, Fresh)	2/22/17	9:50	Eastern Central	☐ Comp ☒ Grab Matrix (Salt, Fresh)	2/22/17	9:50	A, B
STORET ↓ G1WA0045									
Tallavanna Lake Middle Feb 22, 2017		☐ Comp ☒ Grab Matrix (Salt, Fresh)	2/22/17	9:50	Eastern Central	☐ Comp ☒ Grab Matrix (Salt, Fresh)	2/22/17	9:50	

Request Number: RQ-2017-02-20-27

SMP

Customer: WQAP

Project ID: SMP

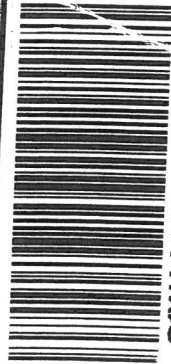
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Requester: Benjamin Ralys

Collected By: Curtis Mussen, Robert Wini

Field Report Prepared By: Robert Wini
Sampling Agency: FDEP

Page 2 of 3

Field ID →
Swamp Creek
upstream of
Railroad
File: EB 22, 2017
G1WA0052-02222017Swamp Creek
upstream of
Railroad

STORET ↓



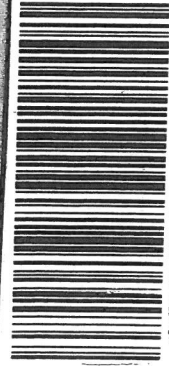
G1WA0052

Field ID →
Salem Branch
downstream of
SR 159
FEB 22, 2017
G1WA0053-02222017Salem Branch
downstream of
SR 159

STORET ↓



G1WA0053

Field ID →
Harbinwood
Estates Drain
FEB 22, 2017
G1WA0034-02222017Harbinwood
Estates Drain

STORET ↓



G1WA0034

Collection (comp begin or grab)		Collection (comp begin or grab)		Collection (comp begin or grab)	
Comp	Date	Time	Eastern	Date	Time
☐ Comp ☒ Grab	2/22/17	10:35	Eastern		
Matrix (Salt, Fresh)					
Fresh					
Temp (C)	17.0				
Diss. Oxygen (mg/L)		7.0			
pH					
Salinity (ppt)	0.03				
Comments					
Latitude (Decimal Degrees)	30.663				
Longitude (Decimal Degrees)	-84.448				
Sample Depts (m)		0.3			
Sp. Conductance (umho/cm)					61
Bottle Group(s)					A,B,C
☐ Comp ☒ Grab	2/22/17	11:05	Eastern		
Matrix (Salt, Fresh)					
Fresh					
Temp (C)	18.9				
Diss. Oxygen (mg/L)		7.6			
pH					
Salinity (ppt)	0.08				
Comments					
Latitude (Decimal Degrees)	30.36				
Longitude (Decimal Degrees)	-84.432				
Sample Depts (m)		0.15			
Sp. Conductance (umho/cm)					165
Bottle Group(s)					B,C
☐ Comp ☒ Grab	2/22/17	11:40	Eastern		
Matrix (Salt, Fresh)					
Fresh					
Temp (C)	18.8				
Diss. Oxygen (mg/L)		7.3			
pH					
Salinity (ppt)	0.05				
Comments					
Latitude (Decimal Degrees)	30.5193				
Longitude (Decimal Degrees)	-84.3357				
Sample Depts (m)		0.05			
Sp. Conductance (umho/cm)					105
Bottle Group(s)					B,C

Relinquished By:

Date/Time

Number of Coolers

Received By: RB

Date/Time

2-22-17 13:30

Request Number: RQ-2017-02-20-27

SMP
Customer: WQAP
Project ID: SMP

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Requester: Benjamin Ralys

Collected By: Curtis Musson, Robert Wini

Field Report Prepared By: Robert Wini
Sampling Agency: FDEP

Page 3 of 3

Field ID →
Megginis Arm Run
Downstream of Sharer
Feb 22, 2017
G1WA0033-02222017

STORET ↓
Megginis Arm Run
Downstream of Sharer
G1WA0033

Field ID →
Godby Drainage
Ditch at
Progress Dr
Feb 22, 2017
G1WA0061-02222017

STORET ↓
Godby Drainage
Ditch at
Progress Dr.
G1WA0061

Location

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/22/17 Time 12:05	Collection (comp begin or grab) Date Eastern Central	Time	Bottle Group(s)
Matrix (Salt, Fresh) Fresh	Diss. Oxygen (mg/L) 7.5	Sample Depts (m) 0.2	Sp. Conductance (umho/cm) 98	A, B
Temp (C) 18.9	pH 7.3	Comments		
Salinity (ppt) 0.05				
Latitude (Decimal Degrees) 30.4804	Longitude (Decimal Degrees) -84.2982			
☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/22/17 Time 12:45	Collection (comp begin or grab) Date Eastern Central	Time	Bottle Group(s)
Matrix (Salt, Fresh) Fresh	Diss. Oxygen (mg/L) 7.3	Sample Depts (m) 0.3	Sp. Conductance (umho/cm) 34	A, B, C
Temp (C) 18.8	pH 7.3	Comments		
Salinity (ppt) 0.01				
Latitude (Decimal Degrees) 30.444661	Longitude (Decimal Degrees) -84.344511			
☐ Comp ☐ Grab	Collection (comp begin or grab) Date	Collection (comp begin or grab) Date Eastern Central	Time	Bottle Group(s)
Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)	Sample Depts (m)	Sp. Conductance (umho/cm)	
Temp (C)	pH	Comments		
Salinity (ppt)				
Latitude (Decimal Degrees)	Longitude (Decimal Degrees)			

Relinquished By:

Date/Time

Number of Coolers

Received By:

Date/Time

2-22-17 1330

Cooler Packing Worksheet for Request: RQ-2017-02-20-27

Tallahassee, Quincy

Ship Cooler On: 2/21/2017

Customer/Project: WQ-ASSESS/SMP

Assigned To: REYNOLDS_T

Requester: Curtis Musson

Priority: 3

850-245--8453

Division Of Water Facilities, FL DEP

2600 Blair Stone Rd.

Tallahassee, FL 32399-2400

Attn: Curtis Musson

Comments:

No preservatives needed.

Group A: Freshwater Kit, No Metals

Group B: E. coli

Group C: Tracers, PCR-Filter

Requested Analyses:

Bottle Group: A

of Sites: 6

Container ID: P-1L

Qty: 6 Preservation: ICE

Lot # 00066202

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: 6 Preservation: ICE

Lot # 1185930

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-500ML

Qty: 6 Preservation: ICE And H2SO4

Lot # 00066885

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: 6 Preservation: ICE-FLTR

Lot # 024134

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: 6

Container ID: P-250ML-WO-THI

Qty: 6 Preservation: ICE

Lot # 016292

Description:

Analysis

ECOLI-18QT

Description

Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Bottle Group: C

of Sites: 4

Container ID: QPCR-P-250ML

Qty: 8 Preservation: ICE

Lot # 00066793

Description:

Analysis

PCR-FILTER

Description

Preparation of Samples by Filtration and held for qPCR Analysis

Container ID: BG-1L

Qty: 4 Preservation: ICE

Lot # 00065867

Description: Brown Glass Bottle 1L

Analysis

W-SUC-AA-R
W-UHERB-AA

Description

Analysis of sucralose in water matrices by HPLC/MS/MS
Urea herbicides and other chemicals in water matrices by HPLC/MS/MS

Cooler Packed By: Tyler Reynolds

Date: 02/17/17

DEP Cooler ID #(s): 3 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-2017-02-20-27