FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

October 2017

Qualified Data: NC

Location/STORET Station Name: Wards Creek upstream of bridge at CR 259 **Date:** 12/12/17 (mm/dd/yyyy)

STORET # G1WA0002 **WBID:** 459 **Latitude:** 30.605 (Decimal Degrees)

County: Jefferson **RQ -** 2017-12-11-18 **ORG ID:** 21FLWQA **Longitude:** -83.893257 (Decimal Degrees)

Receiving Body of Water: Lake Miccosukee **Field ID:** G1WA0002

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Ben Ralys		X	X	X	X
Curtis Musson	X	X	X		

Sampling Equipment

- [x] Sample Container
- [ ] Van Dorn
- [x] Pole
- [ ] Carboy
- [x] Syringe
- [ ] Dipper
- [ ] Other

Equipment ID:

Collection Method

- [ ] Wading
- [ ] Canoe/Kayak
- [x] From Shore
- [ ] Electric Motor
- [x] Other Bridge
- [ ] Gasoline Motor

Water Level: Dry / (Low) / Normal / Above Normal / Flooded

Meter ID# Biology #2

Matrix: (Fresh) / Marine / DI

Photos: Yes / (No)

Flow: No Flow / Intestital / (Flowing) / NA

Tide: Rising/ Falling/ Slack/ (NA)

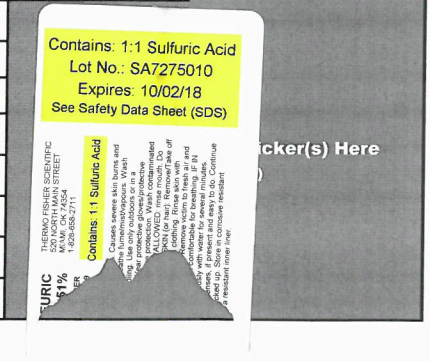
Tide Times: High NA Low NA

Time Zone	Time	Sample Depth (m)	Total Depth (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPTh)	Secchi Disk (m)	Sp COND (µmhos/cm)	Temp. (C°)
(EST)	9.45	BR	0.3	3.80	32.4	5.77	0.02	VOB	BR 42	8.31
CEN		0.15								

Biological Samples Collected: (None) HA SCI RPS Algae ID LVS LVI Other

SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#:

Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	[x] W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	[x] Ice [x] H_2SO_4	7275010	10/2/18	[x] <2
Metals	[ ] W-ICPMS [ ] W-ICP	[ ] Ice [ ] HNO_3	10827054		[ ] <2
Filtered Nutrients	[x] W-PO4-F [x] Field Filtered 0.45 µm Filter	[x] Ice			
Chlorophyll	[x] CHLSUITE-W	[x] Ice			
Physical/Aggregate (Fresh)	[x] Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	[x] Ice			
Physical/Aggregate (Marine)	[ ] Alkalinity / W-F / W-TSS / TURBIDITY	[ ] Ice			
Macroinvertebrates	[ ] MI-FW-QLDC	[ ] Formalin			
Periphyton	[ ] ALGAE-ID	[ ] Ice			
Microbiology	[x] E Coli [ ] F Coli [ ] Enterococci	[x] Ice			
Molecular	[x] PCR-FILTER [x] PCR-HF183 [ ] PCR-BacR [x] PCR-GULL2 [x] PCR-GFD	[x] Ice			
Tracers	[x] W-SUC-AA-R [x] W-UHERB-AA [x] W-AHERB-AA	[x] Ice			
Pesticides	[ ] W-PSNP-TQ [ ] W-UHERB-AA [ ] W-AHERB-AA [ ] W-PCL-SQ-R [ ] W-PYR-AA-R [ ] W-GLYPH [ ] W-SUC-AA-R	[ ] Ice [ ] Other			



Notes:

Kit-A
Bacteria, Tracers
Markers
(PCR-Filter, PCR-HF183 & PCR-GFD)

STORET/Field ID →

Wards Creek upstream of bridge at CR 259

DEC 12, 2017

G1WA0002

ice Label Here (If Available)

Signature: [signature] **Date:** 12/12/17

Field Parameters Entered into LIMS: [signature] 1/3/18 (Initials/Date)

Field Parameters QC in LIMS: CM 1-29-18 (Initials/Date)

Date Migrated to STORET: (Initials/Date)

Field Sheets Scanned/Saved: CM 1-29-2018 (Initials/Date)

Request Number: RQ-2017-12-11-18

Monkey Business, Ward

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Collected By: Ben Raby, Curtis Musson

Field Report Prepared By: Ben Raby

Sampling Agency: FDEP

Location: STORET / Field ID → Lake Monkey Business Middle

Field ID:

STORET #: Dec 12, 2017

Q1WA0036

Latitude: 30.60779 ☒dd ☐dms | Longitude: -84.23076 ☒dd ☐dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 12/12/17 Time | Eastern / Central | Composite end Date — Time — | Bottle Group(s) (See pg 2): A, B

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen: 10.24 ☒mg/L ☐% sat | Total Res. Chlorine (mg/L): —

Temp (C): 12.42 | pH: 7.94 | Sample Depth: 0.3 ☐ft ☒m | Sp. Conductance (umho/cm):

Salinity (ppt): 0.03 | Comments:

Location: STORET / Field ID → Wards Creek upstream of bridge at CR 259

Field ID:

STORET #: DEC 12, 2017

Q1WA0002

Latitude: 30.605 ☒dd ☐dms | Longitude: -83.893257 ☒dd ☐dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 12/12/17 Time | Eastern / Central | Composite end Date — Time — | Bottle Group(s): A, B, C, D

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen: 3.80 ☒mg/L ☐% sat | Total Res. Chlorine (mg/L): —

Temp (C): 8.31 | pH: 5.77 | Sample Depth: 0.15 ☐ft ☒m | Sp. Conductance (umho/cm): 42

Salinity (ppt): 0.02 | Comments:

Location:

Field ID:

STORET #:

Latitude: ☐dd ☐dms | Longitude: ☐dd ☐dms

☐ Comp ☐ Grab | Collection (comp begin or grab) Date Time | Eastern / Central | Composite end Date Time | Bottle Group(s)

Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen ☐mg/L ☐% sat | Total Res. Chlorine (mg/L)

Temp (C) | pH | Sample Depth ☐ft ☐m | Sp. Conductance (umho/cm)

Salinity (ppt) | Comments

Location:

Field ID:

STORET #:

Latitude: ☐dd ☐dms | Longitude: ☐dd ☐dms

☐ Comp ☐ Grab | Collection (comp begin or grab) Date Time | Eastern / Central | Composite end Date Time | Bottle Group(s)

Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen ☐mg/L ☐% sat | Total Res. Chlorine (mg/L)

Temp (C) | pH | Sample Depth ☐ft ☐m | Sp. Conductance (umho/cm)

Salinity (ppt) | Comments

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Curtis Musson	12/12/17 / 11:24	hand delivered	1	[illegible]	12-12-17 11:24

Ward, Monica

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

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Meter ID: Bio 2 RQ- 2017-12-11-18 Project: Sno

Notes: (1) Always wait for meter to stabilize before recording any readings.
(2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).
(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 _____

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	12/12/17	804	19.04	9.276	9.27	100.0	61	—	P / F	L / F
ICV	Curtis Musson	12/12/17	811	19.04	9.276	9.28	100.0	61	—	P / F	L / F
CCV	Curtis Musson	12/12/17	1238	19.35	9.202	8.96	99.7	59	—	P / F	L / F
CCV										P / F	L / F

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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	Curtis Musson	12/12/17	758	17100SD	10/2018	1000	1000	P / F	L / F
ICV	Curtis Musson	12/12/17	800	17100SD	10/2018	1000	998	P / F	L / F
CCV	Curtis Musson	12/12/17	1230	17100SE	10/2018	100	100	P / F	L / F
CCV								P / F	L / F

Conductivity Acceptance criteria ± 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	12/12/17	802	170614B	12/2018	7.0	7.00	-26	P / F	L / F
Calibr.	Curtis Musson	12/12/17	804	17100SA	10/2018	4.01	4.01	190	P / F	L / F
Calibr.	Curtis Musson	12/12/17	806	170310C	9/2018	10.01	9.98	-129	P / F	L / F
~~ICV~~ CCV	Curtis Musson	12/12/17	1232	170614B	12/2018	7.0	7.18	20	P / F	L / F
CCV	Curtis Musson	12/12/17	1233	17100SA	10/2018	4.01	4.05	187	P / F	L / F
CCV	Curtis Musson	12/12/17	1234	17310C	9/2018	10.01	10.18	+40	P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50; mV pH 4 Range +180 ± 50; mV pH 10 Range -180 ± 50;
If mV are recorded: slope from 7 to 10 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth verification _____

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value meters	Pass / Fail	Lab / Field
Pressure mode in air	Curtis Musson	12/12/17	807	0.0	0.0	P / F	L / F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria ± 5 % or ± 0.05m, whichever is greater.

COMMENTS:

Cooler Packing Worksheet for Request: RQ-2017-12-11-18
Monkey Business, Ward
Ship Cooler On: 12/4/2017
Customer/Project: WAS-SECT/SMP

Assigned To: REYNOLDS_T
Requester: Curtis Musson
Priority: 3

850-245-8453
2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson

Comments:
No preservatives needed.

Group A: Freshwater Kit
Group B: Ecoli
Group C: PCR
Group D: Tracers (AHERB Short List)

Requested Analyses:

Bottle Group: A # of Sites: 2

Container ID: P-1L **Qty: 2** **Preservation: ICE** **Lot #** 0W69722

Description: Plastic Bottle 1L

Analysis	Description
ALKALINITY	Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Turbidity in aqueous matrices
W-CL-IC	Chloride in aqueous matrices
W-COLOR	True Color measured at 450 nm
W-F	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Sulfate in aqueous matrices
W-TDS	Total Dissolved Solids in aqueous matrices
W-TSS	Total Suspended Solids in aqueous matrices

Container ID: BP-1L **Qty: 2** **Preservation: ICE** **Lot #** 1204524

Description: Brown Plastic Bottle 1L

Analysis	Description
CHLSUITE-W	Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: BG-1L **Qty: 1** **Preservation: ICE** **Lot #** 0006960 4

Description: Brown Glass Bottle 1L Affix BLUE dot to container.

Analysis	Description
W-AHERB-AA	Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS
W-SUC-AA-R	Analysis of sucralose in water matrices by HPLC/MS/MS
W-UHERB-AA	Urea herbicides and other chemicals in water matrices by HPLC/MS/MS

Cooler Packed By: Tyler R Number of Coolers: 1 Date: 12/05/17

Kit must also include:
- ✓ Field Sheets
- ✓ Temperature Control Bottle
- ✓ FedEx Bills, if applicable
- ✓ Plastic Bags
- ✓ Zip Ties

If Preservation Included:

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

PLEASE RETURN ALL COOLERS FOR RQ-2017-12-11-18