



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

October 2017

Qualified Data

NO

Location/STORET Station Name: Lake Monkey Business Middle

Date: 12/12/17

(mm/dd/yyyy)

STORET # G1WA0036

WBID: 546C

Latitude: 30.60779

(Decimal Degrees)

County: Leon

RQ - 2017-12-11-18

ORG ID: 21FLWQA

Longitude: -84.23076

(Decimal Degrees)

Receiving Body of Water: Lake Iamonia

Field ID: G1WA0036

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment		
Ben Ralys				X	X				☒ Sample Container	☐ Van Dorn	☐ Pole
Curtis Musson					X	X	X	X	☐ Carboy	☒ Syringe	
									☐ Dipper	☐ Other	
									Equipment ID		
									Collection Method		
									☐ Wading	☒ Canoe/Kayak	
									☐ From Shore	☐ Electric Motor	
									☐ Other	☐ Gasoline Motor	

Water Level:	Dry / Low / Normal / Above Normal / Flooded	Meter ID#	Biology #2	Matrix:	Fresh / Marine / DI
Photos:	Yes / No	Flow:	No Flow / Intestinal / 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 (PPT)	Secchi Disk (m)	Sp COND (µmhos/cm)	Temp. (C°)
EST	11:05	0.3	1.7	10.24	96.0	7.94	0.03	0.85	68	12.42
CEN	11:10	1.2		10.15	95.1	7.99	0.03		68	12.38

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	☒ W-NH3 / ☒ W-NO2NO3 / ☒ W-TKN / ☒ W-TOC / ☒ W-S-A-TP	☒ Ice ☒ H2SO4	SA7275010	10/02/18	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice	10827054		
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			
Periphyton	☐ ALGAE-ID	☐ Ice			
Microbiology	☒ E Coli ☐ F Coli ☐ Enterococci	☒ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-GFD	☐ Ice			
Tracers	☐ W-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA	☐ 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			

Contains: 1:1 Sulfuric Acid
Lot No.: SA7275010
Expires: 10/02/18
See Safety Data Sheet (SDS)

Notes: STORET / Field ID →
Kit-A
Bacteria
Lake Monkey
Business Middle
Dec 12, 2017



G1WA0036

Place Label Here
(If Available)

Signature:

Curtis Musson

Date:

12/12/2017

Field Parameters Entered into LIMS: *SA 11/3/18*
(Initials/Date)

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

Date Migrated to STORET: *11/3/18*
(Initials/Date)

Field Sheets Scanned/Saved: *CM 1-29-18*
(Initials/Date)

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Collected By: Ben Rabys, Curtis Musson

Field Report Prepared By: Ben Rabys

Sampling Agency: FDEP

Location	STORET /Field ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)
Field ID	Lake Monkey		Date	12/12/17	Date	Time	A, B
STORET #	Business Middle		Matrix (type, e.g., Salt, Fresh, etc)	fresh	Diss. Oxygen	Total Res. Chlorine	
Latitude	30.60779	Dec 12, 2017	Temp (C)	7.94	Sample Depth	0.3	A, B
Longitude	-84.23076	Salinity (ppt)	0.03	pH		0.3	
Location	STORET /Field ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)
Field ID	Wards Creek upstream of bridge at CR 259		Date	12/12/17	Date	Time	A, B, C, D
STORET #			Matrix (type, e.g., Salt, Fresh, etc)	fresh	Diss. Oxygen	Total Res. Chlorine	
Latitude	30.605	Dec 12, 2017	Temp (C)	5.77	Sample Depth	0.15	A, B, C, D
Longitude	-83.893257	Salinity (ppt)	0.02	pH		42	
Location	STORET /Field ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)
Field ID			Date		Date	Time	
STORET #			Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	Total Res. Chlorine	
Latitude			Temp (C)		Sample Depth		
Longitude			Salinity (ppt)		pH		
Location	STORET /Field ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)
Field ID			Date		Date	Time	
STORET #			Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	Total Res. Chlorine	
Latitude			Temp (C)		Sample Depth		
Longitude			Salinity (ppt)		pH		
Location	STORET /Field ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)
Field ID			Date		Date	Time	
STORET #			Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	Total Res. Chlorine	
Latitude			Temp (C)		Sample Depth		
Longitude			Salinity (ppt)		pH		

Relinquished By: CURTIS MUSSON

Shipping Method

hand delivered

Number of Coolers Shipped:

1

Received By:

BEN RABYS

Date/Time

12-12-17

11:24

Ward, Monica

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 ID: B02

RQ: 2017-12-11-18

Project: Snp

- 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 Mussen	12/12/17	809	19.04	9.276	9.27	100.0	61	-	P/F	P/F
ICV	Curtis Mussen	12/12/17	811	19.04	9.276	9.28	100.0	61	-	P/F	P/F
CCV	Curtis Mussen	12/12/17	1238	19.35	9.202	8.96	98.7	59	-	P/F	P/F
CCV										P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

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 Mussen	12/12/17	758	17100SD	10/2018	1000	1000	P/F	P/F
ICV	Curtis Mussen	12/12/17	800	17100SD	10/2018	1000	998	P/F	P/F
CCV	Curtis Mussen	12/12/17	1230	17100SE	10/2018	100	100	P/F	P/F
CCV								P/F	L/F

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 Mussen	12/12/17	802	170614B	12/2018	7.0	7.00	-26	P/F	P/F
Calibr.	Curtis Mussen	12/12/17	804	17100SA	10/2018	4.01	4.01	190	P/F	P/F
Calibr.	Curtis Mussen	12/12/17	806	170310C	9/2018	10.01	9.98	-129	P/F	P/F
ICV	Curtis Mussen	12/12/17	1232	170614B	12/2018	7.0	7.08	20	P/F	P/F
CCV	Curtis Mussen	12/12/17	1233	17100SA	10/2018	4.01	4.05	187	P/F	P/F
CCV	Curtis Mussen	12/12/17	1234	170310C	9/2018	10.01	10.18	-140	P/F	P/F

pH Acceptance criteria ± 0.2 SU;

mV pH 7 Range 0 ± 50 ;

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

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 Mussen	12/12/17	907	0.0	0.0	P/F	P/F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, 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 # 00069122

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: 2 Preservation: ICE

Lot # 1204544

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: BG-1L

Qty: 1 Preservation: ICE

Lot # 00069604

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-AHERB-AA

W-SUC-AA-R

W-UHERB-AA

Description

Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS

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 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