



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

March 2017

PAGE 1 OF 1

Data Qualified?

Yes / No

Location/STORET Station Name: Upper Dianne Lake Middle

Date: 10/24/2017

(mm/dd/yyyy)

STORET # G1WA0041

WBID: 546B

Latitude: 30.59986

(Decimal Degrees)

County: Leon

RQ - 2017-07-31-16

ORG ID: 21FLWQA

Longitude: -84.23778

(Decimal Degrees)

Receiving Body of Water: Lake Iamonia

Field ID: G1WA0041 10242017

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Benjamin Ralys				X	X	X	X	X
Tyler Reynolds								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 / Pooled / Low / <u>Normal</u> / High / Flooded				Matrix: <u>Fresh</u> / Marine / DI						
Meter ID# 2		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 (µmhos/cm)	Temp. (C°)
EST	10:25	0.3	1.6	8.48	101.0	8.59	0.04	1.1	93	24.10
CEN	10:30	1.1		8.42	100.0	8.52	0.04		93	24.02

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

SBIO ID Numbers: SBIO-ID: RPS-ID: Macrophyte-ID: LIMS#: 1939644

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	SA7233030	8/21/18	☐ <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-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 ☐ Enterococci ☐ qPCR	☒ Ice			
Tracers	☐ W-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			

SULFURIC ACID <51%
DANGER
7664-93-9
7732-18-5
Contains 1:1 Sulfuric Acid
THERMO FISHER SCIENTIFIC
500 NORTH MAIN STREET
MIAMI, OK 74354
1-800-655-2711
See Safety Data Sheet (SDS)
Lot No.: SA7233030
Expires: 08/21/18

Notes:

STORET ↓
Upper Dianne
Lake Middle

G1WA0041

Field ID →
Upper Dianne
Lake Middle

OCT 24, 2017



G1WA0041 10242017

Signature:

Ben Ralys

Date:

10/24/17

Field Parameters Entered into LIMS:

Cn 10/26/17

(Initials/Date)

Field Parameters QC in LIMS:

Cn 4/16/18

(Initials/Date)

Date Migrated to STORET:

(Initials/Date)

Field Sheets Scanned/Saved:

Cn 4/16/18

(Initials/Date)

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

Handwritten: Boldly "X" this box if there is qualified data on this name

Meter ID: Biology #2

RQ: 2017-07-31-16

Project: SMP

- 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.

Handwritten: DO Field

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.	Ben Ralys	10/24/17	7:12	21.26	8.88	8.87	100.0	51.2	-	(P) F	(L) F
ICV	Ben Ralys	10/24/17	7:14	21.27	8.88	8.87	100.0	51.2	-	(P) F	(L) F
CCV	Ben Ralys	10/24/17	2:16	21.7	8.79	9.45	107.5	51.2		P (E) 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 μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Ben Ralys	10/24/17	7:16	170614E	6/2018	1000	1,000	(P) F	(L) F
ICV	Ben Ralys	10/24/17	7:17	170614E	6/2018	1000	1,000	(P) F	(L) F
CCV	Ben Ralys	10/24/17	2:18	170614D	6/2018	100	105	(P) F	(L) 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.	Ben Ralys	10/24/17	7:19	170614B	12/2018	7.0	6.98	42.2	(P) F	(L) F
Calibr.	Ben Ralys	10/24/17	7:21	171005A	10/2018	4.0	23.82	208.5	(P) F	(L) F
Calibr.	Ben Ralys	10/24/17	7:24	170310C	9/2018	10.0	3.97	212.5	(P) F	(L) F
ICV	Ben Ralys	10/24/17	7:25	170310C	9/2018	10.0	9.91	106.2	(P) F	(L) F
CCV	Ben Ralys	10/24/17	2:19	170614D	6/2018	4.0	9.84	103.1	(P) F	(L) F
CCV				170614D	10/2018		4.04	205.8	P / F	L / 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						P / F	L / F

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

COMMENTS:

Request Number: RQ-2017-07-31-16

Tallahassee Lakes North

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Collected By: Ben Rabbs, Tyler Reynolds

Field Report Prepared By: Ben Rabbs

Sampling Agency: FDEP

Page 2 of 2

STORET ↓

Barcode

G1WA0054

Pine Hill

Lake Middle

Field ID →

Pine Hill Lake Middle

OCT 24, 2017

G1WA0054_10242017

STORET ↓

Barcode

G1WA0041

Upper Dianne

Lake Middle

Field ID →

Upper Dianne Lake Middle

OCT 24, 2017

G1WA0041_10242017

STORET ↓

Barcode

G1WA0040

Lower Dianne

Lake Middle

Field ID →

Lower Dianne Lake Middle

OCT 24, 2017

G1WA0040_10242017

☐ Comp ☒ Grab		Collection (comp begin or grab) Date 10/24/17 Time 9:10		☒ Eastern Central		Collection (comp begin or grab) Date — Time —		Bottle Group(s)	
Matrix (Salt, Fresh) Fresh		Diss. Oxygen (mg/L) 8.03		Sample Depts (m)		Sp. Conductance (umho/cm) 42		A, B	
Temp (C) 23.99		pH 7.85							
Salinity (ppt) 0.02		Comments							
Latitude (Decimal Degrees) 30.58492		Longitude (Decimal Degrees) -84.2195							
☐ Comp ☒ Grab		Collection (comp begin or grab) Date 10/24/17 Time 10:25		☒ Eastern Central		Collection (comp begin or grab) Date — Time —		Bottle Group(s)	
Matrix (Salt, Fresh) Fresh		Diss. Oxygen (mg/L) 8.48		Sample Depts (m)		Sp. Conductance (umho/cm) 93		A, B	
Temp (C) 24.10		pH 8.59							
Salinity (ppt) 0.04		Comments							
Latitude (Decimal Degrees) 30.59986		Longitude (Decimal Degrees) -84.23778							
☐ Comp ☒ Grab		Collection (comp begin or grab) Date 10/24/17 Time 12:15		☒ Eastern Central		Collection (comp begin or grab) Date — Time —		Bottle Group(s)	
Matrix (Salt, Fresh) Fresh		Diss. Oxygen (mg/L) 9.55		Sample Depts (m)		Sp. Conductance (umho/cm) 84		A, B	
Temp (C) 24.71		pH 8.97							
Salinity (ppt) 0.04		Comments							
Latitude (Decimal Degrees) 30.59355		Longitude (Decimal Degrees) -84.23534							

Relinquished By: Ben Rabbs

Date/Time: 10/24/17

Number of Coolers: 2

Received By: J.2

Date/Time: 10/24/17 1:35

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Central Lab Sample Submittal Form

Request Number: RQ-2017-07-31-16

Tallahassee Lakes North

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Collected By: Ben Babys Tyler Reynolds

Field Report Prepared By: Ben Babys

Sampling Agency: FDEP

Page 1 of 2

Loc# Lake Monkey Business Middle Field ID → Lake Monkey Business Middle OCT 24, 2017 ST1		STORET ↓ G1WA0036_10242017		Collection (comp begin or grab) ☐ Comp ☒ Grab Date 10/24/17 Time 11:05 Matrix (Salt, Fresh) Fresh Diss. Oxygen (mg/L) 8.59 pH 8.39 Temp (C) 24.32 Salinity (ppt) 0.03 Latitude (Decimal Degrees) 30.60779 Longitude (Decimal Degrees) -84.23076		Eastern Central Sample Depts (m) Sp. Conductance (umho/cm) 75 Bottle Group(s) A,B	
Loc# Lake Tom John Middle Field ID → Lake Tom John Middle OCT 24, 2017 ST1		STORET ↓ G1WA0043_10242017		Collection (comp begin or grab) ☐ Comp ☒ Grab Date 10/24/17 Time 8:15 Matrix (Salt, Fresh) Fresh Diss. Oxygen (mg/L) 8.10 pH 7.94 Temp (C) 24.19 Salinity (ppt) 0.03 Latitude (Decimal Degrees) 30.54484 Longitude (Decimal Degrees) -84.21478		Eastern Central Sample Depts (m) Sp. Conductance (umho/cm) 65 Bottle Group(s) A,B	
Loc# Petty Gulf Lake Middle Field ID → Petty Gulf Lake Middle OCT 24, 2017 ST1		STORET ↓ G1WA0022_10242017		Collection (comp begin or grab) ☐ Comp ☒ Grab Date 10/24/17 Time 9:30 Matrix (Salt, Fresh) Fresh Diss. Oxygen (mg/L) 8.33 pH 8.06 Temp (C) 23.87 Salinity (ppt) 0.03 Latitude (Decimal Degrees) 30.58915 Longitude (Decimal Degrees) -84.22637		Eastern Central Sample Depts (m) Sp. Conductance (umho/cm) 57 Bottle Group(s) A,B	
Relinquished By: Ben Babys		Number of Coolers 2		Received By: J.D.		Date/Time 10/24/17 1:30	

Group: A	Bottle Type: P-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab	5
ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS						
Group: A	Bottle Type: BP-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab	5
CHLSUITE-W						
Group: A	Bottle Type: P-500ML	# of Bottles: 5	Preservative: ICE And H2SO4		Enter Number of Bottles Sent to Lab	5
W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC						
Group: A	Bottle Type: P-125ML	# of Bottles: 5	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	5
W-PO4-F						

Cooler Packing Worksheet for Request: RQ-2017-07-31-16

Tallahassee Lakes North

Ship Cooler On: 7/20/2017

Customer/Project: WAS-SECT/SMP

Assigned To: REAVES_S

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

Requested Analyses:

Bottle Group: A

of Sites: 5

Container ID: P-1L

Qty: 5 Preservation: ICE

Lot # 00067591

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 # 1199138

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin 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 # 00068256

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Cooler Packed By: SR Number of Coolers: 1 Date: 7-20-17

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-2017-07-31-16