



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

April 2018

Data Qualified?

Yes / No

WIN Station Name: Lake Monkey Business

Date: 6/19/18

WIN/ Field ID: G1WA0036

WBID: 546C

Latitude: 30.60779

(mm/dd/yyyy)

County: Leon

ORG ID: 21FLWQA

Longitude: -84.23076

(Decimal Degrees)

Receiving Body of Water: Lake Iamonia

RQ-2018- 05-28-11

(Decimal Degrees)

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
Curtis Musson					X		X	X	☒ Sample Container	☐ Van Dorn	☐ Pole	
Blake Spencer				X		X			☐ Carboy	☒ Syringe		
									☐ Dipper	☐ Other		
									Depth Measured with <u>YST</u>			
									Equipment ID <u>Biology #2</u>			
									Collection Method			
									☐ Wading	☒ Canoe/Kayak		
									☐ From Shore	☒ Electric Motor		
									☐ Other	☐ Gasoline Motor		
Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded				Meter ID# <u>Biology #2</u>				Matrix: <u>Fresh</u> / Marine / DI				
Photos: Yes <u>No</u>				Flow: No Flow / Intestinal / Flowing <u>NA</u>				Tide: Rising/ Falling/ Slack/ <u>NA</u>				
Tide Times: High <u>NA</u> Low <u>NA</u>												
Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (umhos/cm)	Temp. (C°)		
EST	1105	1.8	0.3	1.4	8.08	109.2	7.68	0.04	86	31.30		
CEN	1108		1.3		7.68	103.3	7.43	0.04	86	31.03		
Biological Samples Collected: <u>None</u> HA SCI RPS Algae ID LVS LVI Other:												
SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#: <u>2001946</u>												
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	<u>SA8085170</u>	<u>3/26/19</u>	☐ <2				
Metals	☐ W-ICPMS ☐ W-ICP				☐ Ice ☐ HNO3			☐ <2				
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um Filter				☒ Ice	<u>10827054</u>						
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				☒ Ice							
Molecular	☐ PCR-FILTER ☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-GFD				☐ Ice							
Tracers	☐ W-E8321-DI ☐ W-E8321-MS				☐ Ice							
Pesticides	☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-E8321-DI ☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CARB-AA				☐ Ice ☐ Other							

Notes:

Kit-A
FW Bact

Lake Monkey
Business Middle

WIN ID/Field ID



G1WA0036

Signature:

Date:

Enter Field Parameters, Verify Station ID In LIMS DMT: 6/20/18

QC Station ID, Field Parameters In LIMS DMT: 6-21-18

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data In WIN:

(Initials/Date)

(Initials/Date)

(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 ID: Biology #2

RQ- 2018-05-28-11

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.

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.	Blake Spencer	6/19/18	716	20.71	8.968	8.97	100.0	61.4	—	P / F	L / F
ICV	Blake Spencer	6/19/18	717	20.72	8.968	8.95	99.9	62.5	—	P / F	L / F
CCV	Blake Spencer	6/19/18	1439	20.71	8.143	8.13	99.9	64.5	—	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 μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Blake Spencer	6/19/18	721	171005A	10/20/18	1000	1000	P / F	L / F
ICV	Blake Spencer	6/19/18	723	171005A	10/20/18	1000	1000	P / F	L / F
CCV	Blake Spencer	6/19/18	1443	180326A	04/20/19	100	101	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.	Blake Spencer	6/19/18	725	171005B	4/20/19	7.0	7.00	22.0	P / F	L / F
Calibr.	Blake Spencer	6/19/18	732	180326C	4/20/19	4.0	4.00	191.1	P / F	L / F
Calibr.	Blake Spencer	6/19/18	0737	171005C	4/20/19	10.0	10.00	-145.7	P / F	L / F
ICV	Blake Spencer	6/19/18	0740	171005C	4/20/19	10.0	9.99	-145.7	P / F	L / F
CCV	Blake Spencer	6/19/18	1445	171005B	4/20/19	7.0	6.97	30.0	P / F	L / F
CCV									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:

**Florida Department of Environmental Protection
Central Laboratory Submittal Form**

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Collected By: Blake Spencer + Curtis Musson

Field Report Prepared By: Blake Spencer

Sampling Agency: FDEP

Location		WIN ID/Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	WIN/STORET #	Matrix (type, e.g., Salt, Fresh, etc)	Date	Time	Diss. Oxygen	Total Res. Chlorine (mg/L)	% sat	Sp. Conductance (umho/cm)	Time
30.59986	G1WA0041	Fresh	6/19/18	1005	98.8	—	—	99	—
Latitude	30.59986	Longitude	-84.23778						
Field ID									
30.59355	G1WA0040	Fresh	6/19/18	1212	121.6	—	—	92	—
Latitude	30.59355	Longitude	-84.23534						
Field ID									
30.58915	G1WA0022	Fresh	6/19/18	1300	133.8	—	—	61	—
Latitude	30.58915	Longitude	-84.22637						
Field ID									
30.58492	G1WA0054	Fresh	6/19/18	1319	125.1	—	—	46	—
Latitude	30.58492	Longitude	-84.2195						
Field ID									

Relinquished By: [Signature]

Date/Time

6/19/18 1415

Shipping Method

Hand Delivered

Number of Coolers Shipped: 2

Received By: Tyler R

Date/Time

06/19/18

2:11 PM

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Collected By:

Field Report Prepared By:

Sampling Agency:

Location		WIN ID/Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Lake Monkey		Date 6/19/18 Time 1105		Date		(See pg 2)	
WIN/STORET #		Business Middle GAWA0036		Matrix (type, e.g., Salt, Fresh, etc)		mg/L		Total Res. Chlorine	
Latitude		30.60779		Temp (C) 31.30		Diss. Oxygen		mg/L	
Longitude		-84.23076		pH 7.68		Sample Depth 0.3		Total Res. Chlorine	
Salinity (ppt)		0.04		Comments		ft		(umho/cm)	
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Group: A	Bottle Type: ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	P-1L	# of Bottles: 5	Preservative: ICE	Enter Number of Bottles Sent to Lab	5
Group: A	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 5	Preservative: ICE	Enter Number of Bottles Sent to Lab	5
Group: A	Bottle Type: ECOLI-18QT	P-250ML-WO-THI	# of Bottles: 5	Preservative: ICE	Enter Number of Bottles Sent to Lab	5
Group: A	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 5	Preservative: ICE And H2SO4 H2SO4 LOT# SH8085178 EXP: 83/26/19	Enter Number of Bottles Sent to Lab	5
Group: A	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 5	Preservative: FILTER-ICE Lot # 10827054	Enter Number of Bottles Sent to Lab	5

Cooler Packing Worksheet for Request: RQ-2018-05-28-11

NE TLH Lakes

Ship Cooler On: 5/24/2018

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

Please return
packing list with
sample submittal
forms.

Comments:

No preservatives needed.

Group A: Freshwater Kit, E. coli

Requested Analyses:

Bottle Group: A

of Sites: 5

Container ID: P-1L

Qty: 5 Preservation: ICE

Lot # 00070144

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 using a maximum of 250 mL of sample

Container ID: BP-1L

Qty: 5 Preservation: ICE

Lot # 1223623

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-250ML-WO-THI

Qty: 5 Preservation: ICE

Lot # 018006

Description:

Analysis

ECOLI-18QT

Description

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

Container ID: P-500ML

Qty: 5 Preservation: ICE And H2SO4

Lot # 00070684

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: FILTER-ICE

Lot # 00070686

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Cooler Packed By: Tyler L

Number of Coolers: 2

Date: 05/21/18

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle
- ☒ FedEx Bills, if applicable
- ☒ Plastic Bags/Zip Ties
- ☒ Acid Labels (sets of 24)

If Preservation Included:

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

PLEASE RETURN ALL COOLERS FOR RQ-2018-05-28-11