



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / No

WIN Station Name: Lake Monkey Business Middle

Date: 6/27/2018

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- 06-25-20

(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			
Jason Storrs					X		X			☐ Carboy	☒ Syringe				
										☐ Dipper	☐ Other				
										Depth Measured with <u>Sonar</u>					
										Equipment ID <u>#1</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# Biology #2					Matrix: Fresh / 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 (µmhos/cm)	Temp. (C°)					
EST	820	2.0	0.3	1.3	7.06	97.7	8.09	0.04	88	32.58					
CEN	818		1.5		7.01	96.8	8.20	0.04	88	32.54					
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>2003589</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>548085170</u>	<u>3/26/19</u>	☒ <2						
Metals	☐ W-ICPMS ☐ W-ICP					☐ Ice ☐ HNO3			☐ <2						
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter					☒ Ice	<u>1027054</u>								
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-CARB-AA					☐ Ice									
	☐ W-PCL-SQ-R ☐ W-PYR-AA-R ☐ W-GLYPH ☐ W-SUC-AA-R					☐ Other									

Notes:

A-Kit
FW Bacteria

WIN ID/Field ID

Lake Monkey
Business Middle

G1WA0036

Signature:

Date:

Enter Field Parameters, Verify Station ID In LIMS DMT: 6/27/18

QC Station ID, Field Parameters In LIMS DMT: Cm 6-28-18

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 naap.

Meter ID: Bio #2

RQ: 2018-06-25-20

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 ET-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Curtis Mussen	6/27/18	704	22.48	8.660	8.66	100.0	SS	—	P/F	L/F
ICV	Curtis Mussen	6/27/18	705	22.48	8.660	8.66	100.0	SS	—	P/F	L/F
CCV	Jason Skeris	6/27/18	1158	24.29	8.371	8.37	100.1	57.4	—	P/F	L/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 ET-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Curtis Mussen	6/27/18	707	180326A	04/2019	100	100	P/F	L/F
ICV	Curtis Mussen	6/27/18	710	171005D	10/2018	1000	1000	P/F	L/F
CCV	Curtis Mussen	6/27/18	712	171005D	10/2018	1000	1000	P/F	L/F
CCV	Jason Skeris	6/27/18	1150	180326A	04/2019	100	102	P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time ET-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Curtis Mussen	6/27/18	714	180326D	10/2019	7.0	7.00	25	P/F	L/F
Calibr.	Curtis Mussen	6/27/18	717	180326C	04/2019	4.01	4.01	194	P/F	L/F
Calibr.	Curtis Mussen	6/27/18	719	171005C	04/2019	10.01	10.01	7145	P/F	L/F
ICV	Curtis Mussen	6/27/18	723	171005C	04/2019	10.01	9.98	744	P/F	L/F
CCV	Jason Skeris	6/27/18	1155	180326D	10/2019	7.0	6.81	40.1	P/F	L/F
CCV	Jason Skeris	6/27/18	1159	180326C	04/2019	4.01	3.80	200	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 ET-ET	Calibrated Value (0.00 or Offset), meters	ICV Value meters	Pass / Fail	Lab / Field
Pressure mode in air	Curtis Mussen	6/27/18	713	0.00 m	0.00	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:

Sampling Agency: **FDEP**

Relinquished By: CUTTS NUSSEN	Date/Time 6-27-18	Shipping Method DAP OFF	Number of Coolers Shipped: 2	Received By: [Signature]	Date/Time 6-27-18 / 11:36
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Crocker-Harr

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By:

Curtis Musson

Project ID: SMP

Collected By:

Curtis Musson, Jason Storrs

Sampling Agency:

FDEP

Location		WIN ID/Field ID		Collection (comp begin or grab)		Eastern		Composite end		Bottle Group(s)	
Field ID		Pine Hill		Date 6-27-18 Time 1048		Central		Date		(See pg 2)	
WIN/STORET #		Lake Middle		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine	
Latitude		Longitude		Temp (C)		pH		ft		Sp. Conductance	
Longitude		dd dms		32.40		7.98		0.3		47	
Salinity (ppt)		dd dms		0.02		Comments					
Location		WIN/STORET #		Collection (comp begin or grab)		Eastern		Composite end		Bottle Group(s)	
Field ID				Date		Central		Date		(See pg 2)	
WIN/STORET #				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine	
Latitude		Longitude		Temp (C)		pH		ft		Sp. Conductance	
Longitude		dd dms				Comments					
Salinity (ppt)		dd dms									
Location		WIN/STORET #		Collection (comp begin or grab)		Eastern		Composite end		Bottle Group(s)	
Field ID				Date		Central		Date		(See pg 2)	
WIN/STORET #				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine	
Latitude		Longitude		Temp (C)		pH		ft		Sp. Conductance	
Longitude		dd dms				Comments					
Salinity (ppt)		dd dms									
Location		WIN/STORET #		Collection (comp begin or grab)		Eastern		Composite end		Bottle Group(s)	
Field ID				Date		Central		Date		(See pg 2)	
WIN/STORET #				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine	
Latitude		Longitude		Temp (C)		pH		ft		Sp. Conductance	
Longitude		dd dms				Comments					
Salinity (ppt)		dd dms									

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Curtis Musson	6-27-18 / 11:36	Drop off	2	ADG	6-27-18 11:36

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	Enter Number of Bottles Sent to Lab	5
H2SO4 LOT# SA8085170 EXP: 03/26/19							
Group: A	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 5	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	5

Lot# 10825054

Cooler Packing Worksheet for Request: RQ-2018-06-25-20

Killearn Lakes

Ship Cooler On: 6/21/2018

Customer/Project: WAS-SECT/SMP

Assigned To: KLUG_K

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 Nutrients, e.coli

No Fedex Labels

Requested Analyses:

Bottle Group: A

of Sites: 5

Container ID: P-1L

Qty: 5 Preservation: ICE

Lot # 00071006

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 # 118038

Description: 250 ml Sterilized no tablet

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 # 00070886

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Cooler Packed By: HL Number of Coolers: 2 Date: 6/21/18

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-2018-06-25-20