



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / No

WIN Station Name: Lower Dianne Lake Middle

Date: 5/9/2018

WIN/ Field ID: G1WA0040

WBID: 546A

Latitude: 30.59355

(mm/dd/yyyy)

County: Leon

ORG ID: 21FLWQA

Longitude: -84.23534

(Decimal Degrees)

Receiving Body of Water: Lake Iamonia

RQ-2018- 05-07-33

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>YSI</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: <u>Yes</u> / No											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°)						
<u>EST</u>	<u>1020</u>	<u>3.4</u>	<u>0.3</u>	<u>2.2</u>	<u>9.39</u>	<u>119.2</u>	<u>8.29</u>	<u>0.04</u>	<u>92</u>	<u>27.60</u>						
CEN	<u>1018</u>		<u>2.9</u>		<u>8.66</u>	<u>109.7</u>	<u>7.78</u>	<u>0.04</u>	<u>92</u>	<u>27.24</u>						
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#:																
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>5A7341020</u>	<u>12/2/18</u>	<u><2</u>						
Metals		☐ W-ICPMS ☐ W-ICP				☐ Ice ☐ HNO3				<u><2</u>						
Filtered Nutrients		☒ W-PO4-F ☒ Field Filtered 0.45 µm 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-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA				☐ Ice										
Pesticides		☐ W-PSNP-TQ ☐ W-UHERB-AA ☐ W-AHERB-AA ☐ W-CARB-AA ☐ W-PCL-SQ-R ☐ W-PYR-AA-R ☐ W-GLYPH ☐ W-SUC-AA-R				☐ Ice ☐ Other										

Contains: 1:1 H2SO4
Lot No.: SA7341020
Expires: 12/07/18
See Safety Data Sheet (SDS)

Place Preservation (If A)

Contains: 1:1 H2SO4
Sulfuric Acid <51%
DANGER
May be corrosive to metals. Causes severe skin burns and eye damage. Do not breathe fumes/mist/vapors. Wear appropriate protective clothing. Avoid contact with skin and eyes. If contact occurs, flush immediately with water for at least 15 minutes. If inhaled, remove victim to fresh air and keep at rest. If swallowed, remove victim to fresh air and keep at rest. Do not induce vomiting. If unconscious, do not give anything by mouth. Call 911. Store locked up. Store in corrosion resistant container. (If A)

Notes:

A-Kit
FW Bacteria, pictures

picture N, S, E, W

Lower Dianne
Lake Middle

WIN ID/Field ID

G1WA0040

Signature:

Date: 5/9/18

Enter Field Parameters, Verify Station ID In LIMS DMT: 882 5/10/18

QC Station ID, Field Parameters In LIMS DMT: CM 5-14-18

Scan/Save Field Sheets C7 5-14-18
(Initials/Date)

Migrate Data to WIN: (Initials/Date)

Verify Data In WIN: (Initials/Date)

Killian Lagers

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

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

Meter ID: Bio #2 RQ- 2018-05-07-33 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.	Curtis Mussen	5/9/18	706	21.60	8.812	8.81	100.0	43	-	P / F	L / F
ICV	Curtis Mussen	5/9/18	707	21.60	8.812	8.81	100.0	43	-	P / F	L / F
CCV	Jason Skerris	5/9/18	1420	22.85	8.611	8.64	100.8	44.1	-	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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Curtis Mussen	5/9/18	710	171005D	10/2018	1000	1000	P / F	L / F
ICV	Curtis Mussen	5/9/18	711	171005D	10/2018	1000	1000	P / F	L / F
CCV	Jason Skerris	5/9/18	1405	180326A	14/2019	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.	Curtis Mussen	5/9/18	713	171005B	04/2019	7.0	7.00	2.3	P / F	L / F
Calibr.	Curtis Mussen	5/9/18	715	171005A	10/2018	4.01	4.01	176	P / F	L / F
Calibr.	Curtis Mussen	5/9/18	718	171005C	04/2019	10.01	10.00	-163	P / F	L / F
ICV	Curtis Mussen	5/9/18	720	171005A	10/2018	4.01	3.99	178	P / F	L / F
CCV	Jason Skerris	5/9/18	1407	171005L	04/2019	10.0	8.46	-75.6	P / F	L / F
CCV	Jason Skerris	5/9/18	1409	171005B	04/2019	7.0	5.76	77.2	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	Curtis Mussen	5/9/18	712	0.000	0.000	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:

Field Report Prepared By:

Sampling Agency: FDEP

Location		Pine Hill		WIN ID/Field ID		g1WA0054		Collection (comp begin or grab)		Time		Date		Composite end		Bottle Group(s)	
Field ID		Lake Middle		g1WA0054				Matrix (type, e.g., Salt, Fresh, etc)		Time		Date		Date		(See pg 2)	
Latitude		Longitude		g1WA0054				Temp (C)		pH		Diss. Oxygen		Total Res. Chlorine		A	
Salinity (ppt)		dd dms		g1WA0054				27.13		6.95		108.8		47			
Location		Petty Gulf		WIN ID/Field ID		g1WA0022		Collection (comp begin or grab)		Time		Date		Composite end		Bottle Group(s)	
Field ID		lake Middle		g1WA0022				Matrix (type, e.g., Salt, Fresh, etc)		Time		Date		Date		(See pg 2)	
Latitude		Longitude		g1WA0022				Temp (C)		pH		Diss. Oxygen		Total Res. Chlorine		A	
Salinity (ppt)		dd dms		g1WA0022				27.19		7.53		112.6		60			
Location		Lower Dianne		WIN ID/Field ID		g1WA0040		Collection (comp begin or grab)		Time		Date		Composite end		Bottle Group(s)	
Field ID		Lake Middle		g1WA0040				Matrix (type, e.g., Salt, Fresh, etc)		Time		Date		Date		(See pg 2)	
Latitude		Longitude		g1WA0040				Temp (C)		pH		Diss. Oxygen		Total Res. Chlorine		A	
Salinity (ppt)		dd dms		g1WA0040				27.60		8.29		119.2		92			
Location		Upper Dianne		WIN ID/Field ID		g1WA0041		Collection (comp begin or grab)		Time		Date		Composite end		Bottle Group(s)	
Field ID		Lake Middle		g1WA0041				Matrix (type, e.g., Salt, Fresh, etc)		Time		Date		Date		(See pg 2)	
Latitude		Longitude		g1WA0041				Temp (C)		pH		Diss. Oxygen		Total Res. Chlorine		A	
Salinity (ppt)		dd dms		g1WA0041				27.95		9.39		137.5		102			

Relinquished By:

Date/Time

5-9-18/1346

Shipping Method

Drop off

Number of Coolers Shipped:

2

Received By:

Date/Time

5/9/18 1350

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Collected By: Jason Stotters, CURTIS MUSSON

Field Report Prepared By: CURTIS MUSSON

Sampling Agency: FDEP

Location		WIN ID/Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Lake Monkey		Date 5-9-18 Time 1225		Date		(See pg 2)	
WIN/STORET #		Business Middle G1WA0036		Matrix (type, e.g., Salt, Fresh, etc)		mg/L		Total Res. Chlorine	
Latitude		Longitude		Temp (C) 28.63		pH 7.47		Sample Depth 0.3	
Location		Salinity (ppt) 0.04		Comments		ft		Sp. Conductance (umho/cm)	
Field ID		Collection (comp begin or grab)		Eastern Central		Date		Time	
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine	
Latitude		Longitude		Temp (C)		pH		Sample Depth	
Location		Salinity (ppt)		Comments		ft		Sp. Conductance (umho/cm)	
Field ID		Collection (comp begin or grab)		Eastern Central		Date		Time	
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine	
Latitude		Longitude		Temp (C)		pH		Sample Depth	
Location		Salinity (ppt)		Comments		ft		Sp. Conductance (umho/cm)	
Field ID		Collection (comp begin or grab)		Eastern Central		Date		Time	
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine	
Latitude		Longitude		Temp (C)		pH		Sample Depth	
Location		Salinity (ppt)		Comments		ft		Sp. Conductance (umho/cm)	
Field ID		Collection (comp begin or grab)		Eastern Central		Date		Time	
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine	
Latitude		Longitude		Temp (C)		pH		Sample Depth	
Location		Salinity (ppt)		Comments		ft		Sp. Conductance (umho/cm)	
Field ID		Collection (comp begin or grab)		Eastern Central		Date		Time	
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine	
Latitude		Longitude		Temp (C)		pH		Sample Depth	
Location		Salinity (ppt)		Comments		ft		Sp. Conductance (umho/cm)	

Relinquished By: CURTIS MUSSON	Date/Time: 5-9-18 / 1346	Shipping Method: DROP OFF	Number of Coolers Shipped: 2	Received By: [Signature]	Date/Time: 5/9/18 1350
--------------------------------	--------------------------	---------------------------	------------------------------	--------------------------	------------------------

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
Group: A	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 5	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	5

Lot SA7341020
exp. 12/07/2018

Date of Request: 03-APR-2018
 Created By: MUSSON_C On: 03-APR-2018
 Modified By: MUSSON_C On: 03-APR-2018
 Customer: WAS-SECT
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District:
 Sampling Event: NE Tallahassee Lakes

Send Coolers To:

Phone: 850-245-8453
 2600 Blair Stone Rd

 Tallahassee, FL 32399
 Attn: Curtis Musson

Program Module Number:
 Priority: 3
 Event Status: P
 Criminal Investigation: NO
 Chemistry Request Reviewed By:
 Biology Request Reviewed By:
 Sampling Kit Required: NO Ship on:
 Sampling Kit Shipped:
 Sampling Kit Packed By:
 Preservatives Needed: NO
 Date to Receive Samples: 09-MAY-2018
 Received By:

Send Final Report To:

2600 Blair Stone Rd

 Tallahassee, FL 32399
 Attn: Curtis Musson

Report Type: Final Only
 FTP Data: NO
 QC Report: YES
 Date Log: NO
 Authorization Log: NO

Comments: Group A: Freshwater Kit, E. coli x 5

 Packing Notes:
 Labels only, we have bottles

Bottle Group A (Water) With 5 Samples:

Bottle Type:	Number of Bottles:	Preserved With:
ALKALINITY Total Alkalinity	Template: DEFAULT	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO ₃ /L
CHLSUITE-W Chlorophyll-a, Corrected Chlorophyll-a, Uncorrected Phaeophytin-a	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
ECOLI-18QT Escherichia Coli-Quanti-Tray	Template: DEFAULT	(SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems
TURBIDITY Turbidity	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-CL-IC Chloride	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
W-COLOR Color (true)	Template: DEFAULT	(SM 2120 B) True Color measured at 450 nm
W-F Fluoride	Template: DEFAULT	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-NH3 Ammonia-N	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO2NO3 NO2NO3-N	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
W-PO4-F O-Phosphate-P	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group A (Water) With 5 Samples:

Bottle Type:	Number of Bottles:	Preserved With:
W-S-A-TP Total-P	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
W-SO4-IC Sulfate	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
W-TDS TDS	Template: DEFAULT	(SM 2540 C-97) Total Dissolved Solids in aqueous matrices
W-TKN Kjeldahl Nitrogen	Template: DEFAULT	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
W-TOC Organic Carbon	Template: DEFAULT	(SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices
W-TSS TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices