



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Lower Dianne Lake Middle

Date: 08/14/2019

(mm/dd/yyyy)

WIN/ Field ID: G1WA0040

WBID: 546A

Latitude: 30.59355

(Decimal Degrees)

County: Leon

ORG ID: 21FLWQA

Longitude: -84.23534

(Decimal Degrees)

Receiving Body of Water: Lake Iamonia

RQ- 2019-08-12-45

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Mike Eckles						X		X	X
Blake Spencer					X		X		

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☒ Syringe	
☐ Dipper	☐ Other	
Depth Measured with <u>Sonar #1</u>		
Equipment ID		
Collection Method		
☐ Wading	☒ Canoe/Kayak	
☐ From Shore	☐ Electric Motor	
☐ Other	☐ Gasoline Motor	

Water Level: Dry/ Pooled/ Low / Normal / High / Flooded
Photos: Yes / No / Flow: No Flow / Intestinal / Flowing / NA / Meter ID# ProDSS 18J104543 / Matrix: Fresh / Marine / DI
Tide: Rising/ Falling/ Slack/ NA / Tide Times: High NA Low NA

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	<u>1115</u>	<u>3.6</u>	<u>0.3</u>	<u>1.4</u>	<u>8.45</u>	<u>118.6</u>	<u>8.23</u>	<u>0.04</u>	<u>85.0</u>	<u>33.5</u>
CEN			<u>3.1</u>		<u>1.56</u>	<u>21.6</u>	<u>6.83</u>	<u>0.04</u>	<u>86.4</u>	<u>32.0</u>

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	<u>SA8344070</u>	<u>12/10/19</u>	☒ <2
Metals	☒ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice			
Chlorophyll	☒ CHL-SUITE-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-BR-IC / 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-BacR ☐ PCR-GULL2 ☐ PCR-HF183 ☐ PCR-DG3 ☐ 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			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C	☐ Ice			

Notes: Nutrients

WIN ID / FILED ID → G1WA0040

Location Lower Dianne Lake Middle

Signature: [Signature] Date: 8/14/19

LIMS EVENT ID: WAS-SECT-2019-08-14-01 WIN Import ID:

Enter Field Parameters, Verify Station ID in LIMS DMT: 8/22/19 QC Station ID, Field Parameters in LIMS DMT: 9/5/19

Scan/Save Field Sheets [Initials] Migrate Data to WIN: [Initials] Verify Data in WIN: [Initials]

(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 are qualified data on this page.

Meter ID: 175104543

RQ:

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.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro-meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	B. Spencer	8/14/19	0712	21.5	755.1	8.77	8.76	99.4	—	—	P / F	L / F
ICV			0713	21.6	755.1	8.75	8.77	99.5	—	—	P / F	L / F
CCV			1301	29.1	755.1	7.63	7.90	102.9	—	—	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 (Pro DSS 0.75 to 1.50); 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.	B. Spencer	8/14/19	0715	190618F	06/2020	1000	1000	P / F	L / F
ICV			0716	190618F	06/2020	1000	1000	P / F	L / F
CCV			1305	2905F63	05/2021	100	99.4	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	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	B. Spencer	8/14/19	0718	180621E	01/2020	7.01	22.8	7.01	-32.5	P / F	L / F
Calibr.			0720	190618F	12/2020	4.00	23.2	4.00	179.6	P / F	L / F
Calibr.			0723	180621F	01/2020	10.02	23.2	10.02	-202.2	P / F	L / F
ICV			0724	140621F	01/2020	10.02	23.2	10.01	-202.5	P / F	L / F
CCV			1307	190618F	12/2020	4.00	23.3	4.19	130.1	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)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: _____

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: _____; Date of last 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	B. Spencer	8/14/19	0726	0.00	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:

Cooler Packing Worksheet for Request: RQ-2019-08-12-45

Tallahassee Lakes

Ship Cooler On: 8/8/2019

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: Nutrients x5

WBIDs: 546A, 546B, 564A, 564B, 647A

Packing Notes:

No FedEx Labels

No Trash Bags

Requested Analyses:

Bottle Group: A

of Sites: 5

Container ID: P-1L

Qty: 5 Preservation: ICE

Lot # 00073854

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 # 1259820

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

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

Tallahassee Lakes

last revised Jan 25, 2018

Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By: Blake Spencer

Project ID: SMP

Collected By: Blake Spencer & Mike EcklesSampling Agency: FDEP

Location		WIN ID / FILED ID → G1WA0040		Collection (comp begin or grab) Date <u>8/14/19</u> Time <u>1115</u>		Composite end Date Time		Bottle Group(s) (See pg 2)	
Field ID				Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>18.6</u>		Total Res. Chlorine <u>—</u>	
WIN/STORET #	Location <u>Lower Dianne Lake Middle</u>			Temp (C) <u>33.5</u>		pH <u>8.23</u>		Sample Depth <u>0.3</u>	
Latitude	Longitude dd dms	Salinity (ppt) <u>0.04</u>		Comments				Sp. Conductance (umho/cm) <u>85.0</u>	
Location		WIN ID / FILED ID → G1WA0041		Collection (comp begin or grab) Date <u>8/14/19</u> Time <u>1030</u>		Composite end Date Time		Bottle Group(s)	
Field ID				Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>58.7</u>		Total Res. Chlorine <u>—</u>	
WIN/STORET #	Location <u>Upper Dianne Lake Middle</u>			Temp (C) <u>33.1</u>		pH <u>6.31</u>		Sample Depth <u>0.3</u>	
Latitude	Longitude dd dms	Salinity (ppt) <u>0.04</u>		Comments				Sp. Conductance (umho/cm) <u>90.1</u>	
Location		WIN ID / FILED ID → G1WA0004		Collection (comp begin or grab) Date <u>8/14/19</u> Time <u>1000</u>		Composite end Date Time		Bottle Group(s)	
Field ID				Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>94.7</u>		Total Res. Chlorine <u>—</u>	
WIN/STORET #	Location <u>Lake Arrowhead at boat dock at Turtle Crk Ln near outlet</u>			Temp (C) <u>32.4</u>		pH <u>6.21</u>		Sample Depth <u>0.3</u>	
Latitude	Longitude dd dms	Salinity (ppt) <u>0.03</u>		Comments				Sp. Conductance (umho/cm) <u>75.6</u>	
Location		WIN ID / FILED ID → G1WA0054		Collection (comp begin or grab) Date <u>8/14/19</u> Time <u>1150</u>		Composite end Date Time		Bottle Group(s)	
Field ID				Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>133.8</u>		Total Res. Chlorine <u>—</u>	
WIN/STORET #	Location <u>Pine Hill Lake Middle</u>			Temp (C) <u>33.6</u>		pH <u>8.57</u>		Sample Depth <u>0.3</u>	
Latitude	Longitude dd dms	Salinity (ppt)		Comments				Sp. Conductance (umho/cm) <u>50.1</u>	

Relinquished By: <u>[Signature]</u>	Date/Time <u>8/14/19 1244</u>	Shipping Method <u>Hand delivered</u>	Number of Coolers Shipped: <u>2</u>	Received By: <u>[Signature]</u>	Date/Time <u>8/14/19 1745</u>
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Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By: Blake Spencer

Project ID: SMP

Collected By: Blake Spencer + Mike EklesSampling Agency: FAEP

Location		WIN ID / FILED ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		G1WA0043		Date 8/14/19 Time 0915		Date		(See pg 2)	
WIN/STORET #		Lake Tom John Middle		Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine			
Latitude		dd dms		Temp (C) 31.5		Diss. Oxygen 39.8			
Longitude		dd dms		pH 6.01		Sp. Conductance (umho/cm) 77.2			
Salinity (ppt) 0.03				Comments					
Location		WIN/STORET #		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID				Date		Date			
Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen		mg/L Total Res. Chlorine			
Temp (C)				pH		Sp. Conductance (umho/cm)			
Salinity (ppt)				Comments					
Location		WIN/STORET #		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID				Date		Date			
Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen		mg/L Total Res. Chlorine			
Temp (C)				pH		Sp. Conductance (umho/cm)			
Salinity (ppt)				Comments					
Location		WIN/STORET #		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID				Date		Date			
Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen		mg/L Total Res. Chlorine			
Temp (C)				pH		Sp. Conductance (umho/cm)			
Salinity (ppt)				Comments					
Location		WIN/STORET #		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID				Date		Date			
Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen		mg/L Total Res. Chlorine			
Temp (C)				pH		Sp. Conductance (umho/cm)			
Salinity (ppt)				Comments					
Location		WIN/STORET #		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID				Date		Date			
Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen		mg/L Total Res. Chlorine			
Temp (C)				pH		Sp. Conductance (umho/cm)			
Salinity (ppt)				Comments					

Relinquished By: <u>Blake Spencer</u>	Date/Time 8/14/19 1244	Shipping Method <u>Hand Delivered</u>	Number of Coolers Shipped: <u>2</u>	Received By: <u>[Signature]</u>	Date/Time 8/14/19 12:45
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