



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Lake Tom John Middle

Date: 04/10/2019
(mm/dd/yyyy)

WIN/ Field ID: G1WA0043 ✓

WBID: 647A

Latitude: 30.54484

County: Leon

ORG ID: 21FLWQA

Longitude: -84.21478

Receiving Body of Water: Like Kinsale

RQ- 2019-03-04-69

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment					
Jason Storrs											☒ Sample Container	☐ Van Dorn	☐ Pole			
Will Lasley											☐ Carboy	☒ Syringe				
											☐ Dipper	☐ Other				
											Depth Measured with <u>152 Pro 855</u>					
											Equipment ID					
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>Pro 855 155075</u>		Matrix: <u>Fresh</u> / Marine / DI		
Photos: Yes / ☒ 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°)						
EST	1218	2.5	0.3	1.5	9.10	109.2	7.9	0.03	67	24.5						
CEN	1220		2.0		4.85	52.3	6.6	0.03	67	19.0						
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>2077163</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>SA8344070</u>	<u>2/10/19</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					☐ Ice										
	☐ 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					☐ Ice										
	☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CARB-AA					☐ Ice										
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C					☐ Ice										

Notes:

Nutrients

* = Secchi reading impacted by heavy algae

Signature:

WIN ID/ Field ID: G1WA0043

Location: Lake Tom John Middle

Date: 4/10/19

LIMS EVENT ID: WAS-SECT-2019-04-10-01

WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT: SA 4/23/19

QC Station ID, Field Parameters In LIMS DMT: 4/30/19

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 page

Meter ID: 2014-03-04-64 RQ: 2019-03-04-65 Project: Kilarn Lake

- 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.	Jason Storr	4/10/19	755	21.7	8.7	8.70	98.9	1.034	1.034	P/F	L/F
ICV	Jason Storr	4/10/19	800	21.5	8.7	8.74	99.0			P/F	L/F
CCV	Will Lesley	4/10/19	1440	22.1	7.8	7.87	100.6			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 CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Jason Storr	4/10/19	740	180621 C	07/2019	1000	1000	P/F	L/F
ICV	Jason Storr	4/10/19	742	1805F81	05/2020	100	101.2	P/F	L/F
CCV	Will Lesley	4/10/19	1444	1205F81	05/2020	100	102	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.	Jason Storr	4/10/19	743	180403L	10/2019	7.02	7.02	152.9	P/F	L/F
Calibr.	Jason Storr	4/10/19	744	180621D	07/2019	4.00	4.00	-24.5	P/F	L/F
Calibr.	Jason Storr	4/10/19	745	180621F	01/2020	10.05	10.02	-191.0	P/F	L/F
ICV	Jason Storr	4/10/19	746	180621F	01/2020	10.00	10.02	-191.7	P/F	L/F
CCV	Will Lesley	4/10/19	1446	180621D	07/2019	4.0	4.0	148.9	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	CCV
Pressure mode in air	Jason Storr	4/10/2019	750	0.00	0.271	P/F	L/F	0.00

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: Storrs Lasley

Field Report Prepared By: Storrs
Sampling Agency: EDEP

WIN ID / FILED ID → G1WA0043 Lake Tom John Middle		☒ Comp Grab Date 4/10/2019 Time 12:18 Matrix (type, e.g., Salt, Fresh, etc) <u>fresh</u> Temp (C) 24.5 pH 7.9 Sample Depth 0.3 Diss. Oxygen 109.2 % sat (mg/L) — Total Res. Chlorine — Bottle Group(s) <u>A</u>
Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms Salinity (ppt) 0.03 Comments	☐ Comp Grab Date 4/10/2019 Time 09:50 Matrix (type, e.g., Salt, Fresh, etc) <u>fresh</u> Temp (C) 23.5 pH 7.6 Sample Depth 0.3 Diss. Oxygen 109.1 % sat (mg/L) — Total Res. Chlorine — Bottle Group(s) <u>A</u>	☐ dd ☐ dms Longitude ☐ dd ☐ dms Salinity (ppt) 0.02 Comments
WIN ID / FILED ID → G1WA0054 Pine Hill Lake Middle		☒ Comp Grab Date 4/10/2019 Time 09:50 Matrix (type, e.g., Salt, Fresh, etc) <u>fresh</u> Temp (C) 23.5 pH 7.6 Sample Depth 0.3 Diss. Oxygen 109.1 % sat (mg/L) — Total Res. Chlorine — Bottle Group(s) <u>A</u>
Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms Salinity (ppt) 0.03 Comments	☐ Comp Grab Date 4/10/2019 Time 09:50 Matrix (type, e.g., Salt, Fresh, etc) <u>fresh</u> Temp (C) 23.5 pH 7.6 Sample Depth 0.3 Diss. Oxygen 109.1 % sat (mg/L) — Total Res. Chlorine — Bottle Group(s) <u>A</u>	☐ dd ☐ dms Longitude ☐ dd ☐ dms Salinity (ppt) 0.02 Comments
WIN ID / FILED ID → G1WA0054 Pine Hill Lake Middle		☒ Comp Grab Date 4/10/2019 Time 09:50 Matrix (type, e.g., Salt, Fresh, etc) <u>fresh</u> Temp (C) 23.5 pH 7.6 Sample Depth 0.3 Diss. Oxygen 109.1 % sat (mg/L) — Total Res. Chlorine — Bottle Group(s) <u>A</u>
Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms Salinity (ppt) 0.03 Comments	☐ Comp Grab Date 4/10/2019 Time 09:50 Matrix (type, e.g., Salt, Fresh, etc) <u>fresh</u> Temp (C) 23.5 pH 7.6 Sample Depth 0.3 Diss. Oxygen 109.1 % sat (mg/L) — Total Res. Chlorine — Bottle Group(s) <u>A</u>	☐ dd ☐ dms Longitude ☐ dd ☐ dms Salinity (ppt) 0.02 Comments

Relinquished By: <u>Will Lasley</u>	Date/Time: <u>4/10/19 14:24</u>	Shipping Method:	Number of Coolers Shipped:	Received By: <u>[Signature]</u>	Date/Time: <u>4/10/19</u>
-------------------------------------	---------------------------------	------------------	----------------------------	---------------------------------	---------------------------

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WAS-SECT
Project ID: SMP

Requester: Curtis Musson
Collected By: Storrs / Lasley

Field Report Prepared By: Storrs
Sampling Agency: FDDEP

Lc	WIN ID / FILED ID → G1WA0040	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 4/10/2019 Time 1036	Eastern ☒ Central	Composite end Date — Time —	Bottle Group(s) (See pg 2)
Fi	Location Lower Dianne Lake Middle	Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 102.0	☐ mg/L Total Res. Chlorine ☒ % sat (mg/L)	—	A
W	Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Temp (C) 23.3	pH 7.5	Sample Depth 0.3	☐ ft ☒ m Sp. Conductance (umho/cm) 774
L	WIN ID / FILED ID → G1WA0041	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 4/10/2019 Time 1120	Eastern ☒ Central	Composite end Date — Time —	Bottle Group(s)
F	Location Upper Dianne Lake Middle	Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 118.2	☐ mg/L Total Res. Chlorine ☒ % sat (mg/L)	—	A
V	Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Temp (C) 24.2	pH 9.1	Sample Depth 0.3	☐ ft ☒ m Sp. Conductance (umho/cm) 82
L	WIN ID / FILED ID → G1WA0004	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 4/10/2019 Time 0914	Eastern ☒ Central	Composite end Date — Time —	Bottle Group(s)
F	Location Lake Arrowhead at boat dock at Turtle Crk Ln near outlet	Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 91.1	☐ mg/L Total Res. Chlorine ☒ % sat (mg/L)	—	A
V	Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Temp (C) 22.8	pH 7.1	Sample Depth 0.3	☐ ft ☒ m Sp. Conductance (umho/cm) 75
Location	Field ID	WIN/STORET #	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	☐ mg/L Total Res. Chlorine ☐ % sat (mg/L)	Bottle Group(s)
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Temp (C) ☐ dd ☐ dms	pH ☐ dd ☐ dms	Sample Depth ☐ dd ☐ dms	☐ ft ☐ m Sp. Conductance (umho/cm)	

Relinquished By: <u>Will Lasley</u>	Date/Time: <u>4/10/19</u>	Shipping Method: <u>STW</u>	Number of Coolers Shipped: <u>2</u>	Received By: <u>[Signature]</u>	Date/Time: <u>4/10/19</u>
-------------------------------------	---------------------------	-----------------------------	-------------------------------------	---------------------------------	---------------------------

Group: A	Bottle Type:	P-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: A	ALKALINITY					
	TURBIDITY					
	W-CL-IC					
	W-COLOR					
	W-F					
	W-SO4-IC					
	W-TDS					
W-TSS						
CHLSUITE-W						
Group: A	Bottle Type:	BP-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: A	P-500ML					
	W-NH3					
	W-NO2NO3					
	W-S-A-TP					
	W-TKN					
	W-TOC					
	W-PO4-F					
Group: A	Bottle Type:	P-125ML	# of Bottles: 5	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab
Group: B	P-1L					
	ALKALINITY					
	TURBIDITY					
	W-CL-IC					
	W-COLOR					
	W-F					
	W-SO4-IC					
W-TDS						
W-TSS						
CHLSUITE-W						
Group: B	Bottle Type:	BP-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: B	P-250ML-WO-THI					
	W-NH3					
	W-NO2NO3					
	W-S-A-TP					
	W-TKN					
	W-TOC					
	W-PO4-F					
Group: B	Bottle Type:	P-500ML	# of Bottles: 5	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab