



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Lake Tom John Middle

Date: 08/14/2019

WIN/ Field ID: G1WA0043

WBID: 647A

Latitude: 30.54484

(Decimal Degrees)

County: Leon

ORG ID: 21FLWQA

Longitude: -84.21478

(Decimal Degrees)

Receiving Body of Water: Lake Kinsale

RQ- 2019-08-12-45

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
Mike Eckles						X		X	X	☒ Sample Container	☐ Van Dorn	☐ Pole		
Blake Spencer					X		X			☐ Carboy	☒ Syringe			
										☐ Dipper	☐ Other			
										Depth Measured with <u>ProDSS</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# ProDSS 18J104543					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	9:15	2.0	0.3	1.5	2.87	39.8	6.01	0.03	77.2	31.5				
CEN			1.5		1.78	24.1	6.33	0.03	77.2	31.5				
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		5A8344070	12/10/19	☒ <2					
Metals	☐ W-ICPMS ☐ W-ICP				☐ Ice ☐ HNO3				☐ <2					
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um Filter				☒ Ice									
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-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-GPD				☐ 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 → G1WA0043														
Location Lake Tom John Middle														
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: 8/14/19QC Station ID, Field Parameters in LIMS DMT: 9/5/19

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 are qualified data on this page.

Meter ID: 195104543

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 mhos/cm	Meter Reading μ mhos/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	180621F	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	190621F	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

Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By:

Project ID: SMP

Collected By:

Blake Spencer + Mike Eckles

Sampling Agency: *FADFP*

Location	WIN ID / FILED ID → G1WA0040	Collection (comp begin or grab)	Time	Eastern Central	Composite end	Bottle Group(s)
Field ID		Grab	Date 8/14/19		Date	(See pg 2)
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)				
Latitude	Longitude	Temp (C)	pH	Diss. Oxygen	Total Res. Chlorine	
		33.5	8.23	18.6	mg/L	A
		Salinity (ppt)	Comments	Sample Depth	Sp. Conductance (umho/cm)	
		0.04		0.3	85.0	
Location	WIN ID / FILED ID → G1WA0041	Collection (comp begin or grab)	Time	Eastern Central	Composite end	Bottle Group(s)
Field ID		Grab	Date 8/14/19		Date	
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)				
Latitude	Longitude	Temp (C)	pH	Diss. Oxygen	Total Res. Chlorine	
		33.1	6.3	58.7	mg/L	A
		Salinity (ppt)	Comments	Sample Depth	Sp. Conductance (umho/cm)	
		0.04		0.3	90.1	
Location	WIN ID / FILED ID → G1WA0004	Collection (comp begin or grab)	Time	Eastern Central	Composite end	Bottle Group(s)
Field ID		Grab	Date 8/14/19		Date	
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)				
Latitude	Longitude	Temp (C)	pH	Diss. Oxygen	Total Res. Chlorine	
		32.4	6.2	84.7	mg/L	A
		Salinity (ppt)	Comments	Sample Depth	Sp. Conductance (umho/cm)	
		0.03		0.3	75.6	
Location	WIN ID / FILED ID → G1WA0054	Collection (comp begin or grab)	Time	Eastern Central	Composite end	Bottle Group(s)
Field ID		Grab	Date 8/14/19		Date	
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)				
Latitude	Longitude	Temp (C)	pH	Diss. Oxygen	Total Res. Chlorine	
		33.6	8.57	133.8	mg/L	A
		Salinity (ppt)	Comments	Sample Depth	Sp. Conductance (umho/cm)	
		0.03		0.3	50.1	

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
<i>[Signature]</i>	8/14/19 12:44	Hand delivered	2	<i>[Signature]</i>	8/14/19 17:55

Field Report Prepared By:

Blake Spencer + Mike Eckles

Blake Spencer

Sampling Agency: FASEP

Relinquished By: <i>Bobby</i>	Date/Time 8/14/19 12:44	Shipping Method Hand Delivered	Number of Coolers Shipped: 2	Received By: <i>[Signature]</i>	Date/Time 8/14/19 12:45
----------------------------------	----------------------------	-----------------------------------	---------------------------------	------------------------------------	----------------------------