



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Mt Sinai Slough @ E Windwood Way

Date: 4/18/2019
(mm/dd/yyyy)

WIN ID/ Field ID G1TLHR0104

WBID: 919

Latitude: 30.42559

(Decimal Degrees)

County: LEON

ORG ID: 21FLTLHR

Longitude: 84.17136

(Decimal Degrees)

Receiving Body of Water: Lake Lafayette

RQ 2019-01-21-10

Sampling Team Members							Sampling Equipment						
							☒ Sample Container	☐ Van Dorn	☐ Pole				
							☐ Carboy	☒ Syringe					
							☐ Dipper	☐ Other					
Depth Measured with: <u>YSI</u>													
Equipment ID <u>154177</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>154177</u>				Matrix: <u>Fresh</u> / Marine / DI		
Photos: Yes / <u>No</u>		Flow: No Flow / Intestinal / <u>Flowing</u> / NA			Tide: Rising/ Falling/ Slack/ <u>NA</u>			Tide Times: High Low					

Field Sample

(Bracket Sample Time)

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>900</u>	<u>0.2</u>	<u>0.1</u>	<u>0.2</u>	<u>3.80</u>	<u>41.2</u>	<u>5.93</u>	<u>0.02</u>	<u>46.9</u>	<u>19.2</u>
CEN				<u>S</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>9344070</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	☒ 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-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-E3821-MS ☐ W-E32821-DI	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-E3821-MS ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-E3821-DI ☐ W-CARB-AA	☐ Ice			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C	☐ Ice			

QA/QC Sample Information

Duplicate

Time Zone: <u>EST</u> CEN		Time: <u>905</u>		Field ID: <u>G1TLHR0104_DUP</u> (WIN ID_DUP)	
WIN DMT Activity ID:					
Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☒ H ₂ SO ₄	<u>8344070</u>	<u>12/10/19</u>	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO ₃			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice			
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-BR-IC / W-F / W-TSS / TURBIDITY	☐ Ice			
Microbiology	☒ E Coli ☐ F Coli ☐ Enterococci	☒ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD	☐ Ice			
Tracers	☐ W-E3821-MS ☐ W-E3821-DI	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-E3821-DI ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-E-3821-MS ☐ W-CARB-AA	☐ Ice			

Blank

Time Zone: <u>EST</u> CEN		Time: <u>905</u>		Field ID: <u>FB:04182019</u> (Blank Type_DDMMYYYY)	
DI Source: <u>Casbo</u> #3		Location: <u>Mt Sinai Slough @ E Windwood Way</u>			
☒ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank		Equipment ID: _____			
WIN DMT Blank Batch ID:					
Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☒ H ₂ SO ₄	<u>8344070</u>	<u>12/10/19</u>	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO ₃			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ 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			
Tracers	☐ W-E3821-MS ☐ W-E3821-DI	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-E3821-DI ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-E3821-MS ☐ W-CARB-AA	☐ Other			
Microbiology	☒ E coli ☐ F. Coliform ☐ Enterococci				

Notes:

Field/WIN →

Location ↓

Mt Sinai Slough @ E Windwood Way



G1TLHR0104

Signature: [Signature]Date: 4/18/19LIMS EVENT ID: TLHRC-2019-04-18-01 02

WIN Import ID: _____

Enter Field Parameters, Verify Station ID In LIMS DMT: JW 4/18/19

(Initials/Date)

QC Station ID, Field Parameters In LIMS DMT: JB 4/18/19

(Initials/Date)

Scan/Save Field Sheets

(Initials/Date)

Migrate Data to WIN:

(Initials/Date)

Verify Data In WIN:

(Initials/Date)

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: TLH-ROC

Project ID: SMP

Requester: Michael Eckles

Collected By: Jon Woods / Jude ButenuttField Report Prepared By: Jon WoodsSampling Agency: 8034

Location		Location → Mt Sinai Slough @ E Windwood Way		Collection (comp begin or grab)		Time 900		Composite end		Date		Time		Bottle Group(s)	
Field ID		Comp	Grab	Date	4/18/19	Diss. Oxygen		mg/L	Total Res. Chlorine		% sat				(See pg 2)
WIN/ST															B
Latitude		Temp (C)				pH			Sample Depth		ft	m			
		Salinity (ppt)				Comments									
Location		Location → Mt Sinai Slough @ E Windwood Way		Collection (comp begin or grab)		Time 905		Composite end		Date		Time		Bottle Group(s)	
Field ID		Comp	Grab	Date	4/18/19	Diss. Oxygen		mg/L	Total Res. Chlorine		% sat				(See pg 2)
WIN/ST															C
Latitude		Temp (C)				pH			Sample Depth		ft	m			
		Salinity (ppt)				Comments									
Location		Location → Mt Sinai Slough @ E Windwood Way		Collection (comp begin or grab)		Time 905		Composite end		Date		Time		Bottle Group(s)	
Field ID		Comp	Grab	Date	4/18/19	Diss. Oxygen		mg/L	Total Res. Chlorine		% sat				(See pg 2)
WIN/ST															B
Latitude		Temp (C)				pH			Sample Depth		ft	m			
		Salinity (ppt)				Comments									
Location		Location → Mt Sinai Slough @ E Windwood Way		Collection (comp begin or grab)		Time 905		Composite end		Date		Time		Bottle Group(s)	
Field ID		Comp	Grab	Date	4/18/19	Diss. Oxygen		mg/L	Total Res. Chlorine		% sat				(See pg 2)
WIN/ST															B
Latitude		Temp (C)				pH			Sample Depth		ft	m			
		Salinity (ppt)				Comments									
Location		Location → Mt Sinai Slough @ E Windwood Way		Collection (comp begin or grab)		Time 905		Composite end		Date		Time		Bottle Group(s)	
Field ID		Comp	Grab	Date	4/18/19	Diss. Oxygen		mg/L	Total Res. Chlorine		% sat				(See pg 2)
WIN/ST															B
Latitude		Temp (C)				pH			Sample Depth		ft	m			
		Salinity (ppt)				Comments									

Relinquished By: <u>SW</u>	Date/Time: <u>4/14/19 1355</u>	Shipping Method: <u>HD</u>	Number of Coolers Shipped: <u>1</u>	Received By: <u>[Signature]</u>	Date/Time: <u>4/18/19 1355</u>
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Group: A	Bottle Type:	P-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ALKALINITY					
	TURBIDITY					
	W-CL-IC					
	W-COLOR					
	W-F					
	W-SO4-IC					
	W-TDS					
	W-TSS					

Group: A	Bottle Type:	BP-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	CHLSUITE-W					

Group: A	Bottle Type:	P-500ML	# of Bottles: 5	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NH3					
	W-NO2NO3					
	W-S-A-TP					
	W-TKN					
	W-TOC					

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

Group: B	Bottle Type:	P-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ALKALINITY					
	TURBIDITY					
	W-CL-IC					
	W-COLOR					
	W-F					
	W-SO4-IC					
	W-TDS					
	W-TSS					

Group: B	Bottle Type:	BP-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	CHLSUITE-W					

Group: B	Bottle Type:	P-250ML-WO-THI	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ECOLL-18QT					

Group: B	Bottle Type:	P-500ML	# of Bottles: 5	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab
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8344070
12/10/19

Group: B	Bottle Type:	P-500ML	# of Bottles: 5	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
	W-NH3					
	W-NO2NO3					
	W-S-A-TP					
	W-TKN					
	W-TOC					
Group: B	Bottle Type:	P-125ML	# of Bottles: 5	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	2
	W-PO4-F					
Group: C	Bottle Type:	P-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
	ALKALINITY					
	TURBIDITY					
	W-CL-IC					
	W-COLOR					
	W-F					
	W-SO4-IC					
	W-TDS					
	W-TSS					
Group: C	Bottle Type:	BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
	CHLSUITE-W					
Group: C	Bottle Type:	P-250ML-WO-THI	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
	ECOLI-18QT					
Group: C	Bottle Type:	P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	1
	W-NH3					
	W-NO2NO3					
	W-S-A-TP					
	W-TKN					
	W-TOC					
Group: C	Bottle Type:	P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	1
	W-PO4-F					

8344070
12/10/19

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: 154177

RQ-

Project: SMP2019

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 4/19

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.	J. Burtchett	4/18/19	812	19.6	755.6	9.1	9.11	99.4	-	0.99	P/F	B/F
ICV	↓	↓	822	25.0	755.5	8.2	8.29	100.5	-	-	P/F	B/F
CCV			1400	25.2	756.1	8.2	8.31	100.3	-	-	P/F	(X) 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.	J. Burtchett	4/18/19	814	180621C	07/19	1000	1000	P/F	B/F
ICV	↓	↓	824	1805F81	05/20	100	102	P/F	B/F
CCV			1402	1805F81	05/20	100	101	P/F	(X) 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.	J. Burtchett	4/18/19	816	180403C	10/19	7.01	19.7	702	-47.0	P/F	B/F
Calibr.	↓	↓	818	180621D	07/19	4.01	19.6	400	128.3	B/F	B/F
Calibr.	↓	↓	820	180621F	07/20	10.68	19.4	10.07	-214.3	B/F	B/F
ICV	↓	↓	826	180621F	07/20	10.06	19.6	10.03	-214.6	B/F	B/F
CCV			1404	180621D	07/19	4.01	20.9	4.10	121.7	P/F	B/F
CCV										P/F	L/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 $\pm$ 50;

mV pH 4 Range +180 $\pm$ 50;

mV pH 10 Range -180 $\pm$ 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: 4/19

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	J. Burtchett	4/18/19	810	0.000	0.000	P/F	B/F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS:

