

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: 153484

RQ- 2019-06-24-35

Project: 2019 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 04/19

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.	Ben Harden	06/26/19	0811	21.0	760.2	8.9	8.93	100.1		1.077	P / F	L / F
ICV	"	"	0812	21.0	760.2	8.9	8.93	100.3			P / F	L / F
CCV	"	"	1445	19.8	759.9	9.1	9.19	100.5			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.	Ben Harden	06/26/19	0819	190618F	06/20	1000	1000	P / F	L / F
ICV	"	"	0820	280888F	07/20	100	101.4	P / F	L / F
CCV	"	"	1440	190618F	06/20	1000	992	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.	Ben Harden	06/26/19	0821	180621E	01/20	7.02	21.3	7.02	-49.3	P / F	L / F
Calibr.	"	"	0822	190405B	10/20	4.00	21.3	4.00	131.3	P / F	L / F
Calibr.	"	"	0824	180621F	01/20	10.05	21.0	10.05	-201.2	P / F	L / F
ICV	"	"	0825	"	"	10.05	20.9	10.09	-211.3	P / F	L / F
CCV	"	"	1442	190405B	10/20	4.00	20.7	4.03	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 10 169.4, slope from 4 to 7 180.6 (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: 04/19

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	Ben Harden	06/26/19	0808	0.272	0.272	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 STRATEGIC MONITORING PROGRAM FIELD SHEET

Data Qualified?

Yes / No

January 2019

WIN Station Name: Lexington Creek 100m downstream N Meridian Rd

Date: 06/26/19
(mm/dd/yyyy)

WIN/ Field ID: G1TLHR0109

WBID: 758

Latitude: 30.500769
(Decimal Degrees)

County: Leon

ORG ID: 21FLTHR

Longitude: -84.27888
(Decimal Degrees)

Receiving Body of Water: Lake Jackson

RQ: 2019-06-21-37

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Ben Hardin					✓	✓	✓	✓	✓
Jade Burtchett					✓	✓	✓	✓	✓

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☐ Syringe	
☐ Dipper	☐ Other	
Depth Measured with Equipment ID		

Collection Method		
☒ Wading	☐ Canoe/Kayak	
☐ From Shore	☐ Electric Motor	
☐ Other	☐ Gasoline Motor	

Water Level: Dry/ Pooled/ Low / Normal / High / Flooded Meter ID# 153484 Matrix: Fresh / Marine / DI
Photos: Yes / No Flow: No Flow / Intestinal / Flowing / NA Tide: Rising/ Falling/ Slack/ NA Tide Times: High Low

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	0855	0.36	0.18	0.365	8.59	10.2	7.23	0.05	111.1	23.5
CEN										

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	SA 2163030	10/30/19	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO3	NA 4069030	04/04/20	☒ <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-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: HUMM2 station in WIN 06 6-27-19

Field/WIN ID → G1TLHR0109
Location ↓ Lexington Creek 100m downstream N Meridian Rd

Signature: [Signature] Date: 06/26/19

LIMS EVENT ID: WIN Import ID:

Enter Field Parameters, Verify Station ID in LIMS DMT: QC Station ID, Field Parameters in LIMS DMT:

Scan/Save Field Sheets (Initials/Date) Migrate Data to WIN: (Initials/Date) Verify Data in WIN: (Initials/Date)

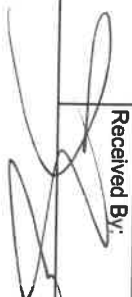
Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: TLH-ROC
Project ID: SMP

Requester: Michael Eckles
Collected By: Butcher/Harden

Field Report Prepared By: Butcher/Harden
Sampling Agency: GOSY

Field/WIN ID →				G1TLHR0109		☐ Comp		Collection (comp begin or grab)		☒ Grab		Date		Time		☒ Eastern		Composite end		Time		Bottle Group(s)			
Location ↓		Lexington Creek 100m downstream N Meridian Rd		Matrix (type, e.g., Salt, Fresh, etc)		Fresh		Diss. Oxygen		8.59		pH		7.23		Sample Depth		0.18		☒ ft		Sp. Conductance (umho/cm)		111.1	
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt)		0.05		Comments													
Location								☐ Comp		Collection (comp begin or grab)		☐ Grab		Date		Time		☐ Eastern		Composite end		Time		Bottle Group(s)	
Field ID								Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen				Sample Depth				☐ ft		Sp. Conductance (umho/cm)			
WIN/STORET #								Temp (C)				pH				Sample Depth				☐ ft		Sp. Conductance (umho/cm)			
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt)				Comments													
Location								☐ Comp		Collection (comp begin or grab)		☐ Grab		Date		Time		☐ Eastern		Composite end		Time		Bottle Group(s)	
Field ID								Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen				Sample Depth				☐ ft		Sp. Conductance (umho/cm)			
WIN/STORET #								Temp (C)				pH				Sample Depth				☐ ft		Sp. Conductance (umho/cm)			
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt)				Comments													
Location								☐ Comp		Collection (comp begin or grab)		☐ Grab		Date		Time		☐ Eastern		Composite end		Time		Bottle Group(s)	
Field ID								Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen				Sample Depth				☐ ft		Sp. Conductance (umho/cm)			
WIN/STORET #								Temp (C)				pH				Sample Depth				☐ ft		Sp. Conductance (umho/cm)			
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt)				Comments													
Location								☐ Comp		Collection (comp begin or grab)		☐ Grab		Date		Time		☐ Eastern		Composite end		Time		Bottle Group(s)	
Field ID								Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen				Sample Depth				☐ ft		Sp. Conductance (umho/cm)			
WIN/STORET #								Temp (C)				pH				Sample Depth				☐ ft		Sp. Conductance (umho/cm)			
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt)				Comments													
Location								☐ Comp		Collection (comp begin or grab)		☐ Grab		Date		Time		☐ Eastern		Composite end		Time		Bottle Group(s)	
Field ID								Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen				Sample Depth				☐ ft		Sp. Conductance (umho/cm)			
WIN/STORET #								Temp (C)				pH				Sample Depth				☐ ft		Sp. Conductance (umho/cm)			
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt)				Comments													

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Butcher/Harden	06/26/19	Hand Delivered	1		06/26/19