FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified? Yes / No

WIN Station Name: Inter-coastal 450m d-stream Pine Log Boat Ramp **Date:** 04/10/2019 (mm/dd/yyyy)

WIN/ Field ID: G2TLHR0034 **WBID:** 375B **Latitude:** 29.7669 (Decimal Degrees)

County: Franklin **ORG ID:** 21FLTLHR **Longitude:** 85.0388 (Decimal Degrees)

Receiving Body of Water: Gulf of Mexico **RQ-** 2019-01-21-14

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Ben Harden	✓		✓		
Chris Green		✓		✓	✓

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#** 154484 **Matrix:** Fresh / Marine / DI

Photos: Yes / No **Flow:** No Flow / Intestital / Flowing / NA **Tide:** Rising/ Falling/ Slack/ NA **Tide Times:** High 956 Low 1339

Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPTh)	Sp COND (µmhos/cm)	Temp. (C°)
EST	1111	3.3	0.3	0.9	6.78	76.6	6.66	0.06	123.2	21.3
CEN	1114		2.8		6.72	75.9	6.66	0.06	123.2	21.3

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 ☐ H_2SO_4	SA82740501	06/19	☑ <2
Metals	☑ W-ICPMS ☑ W-ICP	☐ Ice ☑ HNO_3	NA83440501	12/19	☑ <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			

Place Preservative Sticker(s) Here (If Available)

Notes:

Field/WIN ID → G2TLHR0034

Location ↓ Intercoastal 450m d-stream Pine Log boat Ramp

Signature: **Date:** 04/10/2019

LIMS EVENT ID: TLH-ROC-2019-04-10-01 **WIN Import ID:**

Enter Field Parameters, Verify Station ID In LIMS DMT: BH 04/12/19 (Initials/Date) **QC Station ID, Field Parameters In LIMS DMT:** CG 4-16-19 (Initials/Date)

Scan/Save Field Sheets CG 4-16-19 (Initials/Date) **Migrate Data to WIN:** (Initials/Date) **Verify Data In WIN:** (Initials/Date)

Request Number: RQ-2019-01-21-14
Run 11

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: TLH-ROC
Project ID: SMP

Requester: Michael Eckles
Collected By: Green, Harden
Field Report Prepared By: Green, Harden
Sampling Agency: 8034

Field/WIN ID → G2TLHR0034
Location → Intercoastal 450m d-stream Pine Log boat Ramp

Latitude ☐dd ☐dms | Longitude ☐dd ☐dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 04/10/2019 Time 1111 | Eastern / Central | Composite end Date Time | Bottle Group(s) (See pg 2): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 6.78 ☐mg/L ☐% sat | Total Res. Chlorine (mg/L) —

Temp (C) 21.3 | pH 6.66 | Sample Depth 0.3 ☐ft ☑m | Sp. Conductance (umho/cm) 123.2

Salinity (ppt) 0.06 | Comments

Field/WIN ID → G2TLHR0014
Location → SAUL CREEK @ MOUTH

Latitude ☐dd ☐dms | Longitude ☐dd ☐dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 04/10/2019 Time 1155 | Eastern / Central | Composite end Date Time | Bottle Group(s): B

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 4.83 ☑mg/L ☐% sat | Total Res. Chlorine (mg/L) —

Temp (C) 22.6 | pH 6.78 | Sample Depth 0.3 ☐ft ☑m | Sp. Conductance (umho/cm) 142.6

Salinity (ppt) 0.07 | Comments

Field/WIN ID → G2TLHR0003
Location → Double Bayou 800m upstream from Lake Wimico

Latitude ☐dd ☐dms | Longitude ☐dd ☐dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 04/10/2019 Time 1220 | Eastern / Central | Composite end Date Time | Bottle Group(s): B

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 7.67 ☑mg/L ☐% sat | Total Res. Chlorine (mg/L) —

Temp (C) 22.1 | pH 7.17 | Sample Depth 0.3 ☐ft ☑m | Sp. Conductance (umho/cm) 166.6

Salinity (ppt) 0.08 | Comments

Field/WIN ID → G2TLHR0033
Location → Horseshoe Creek 100m upstream from Intercoastal/Lake Wimico

Latitude ☐dd ☐dms | Longitude ☐dd ☐dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 04/10/2019 Time 1245 | Eastern / Central | Composite end Date Time | Bottle Group(s): B

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 8.26 ☐mg/L ☐% sat | Total Res. Chlorine (mg/L) —

Temp (C) 23.2 | pH 7.42 | Sample Depth 0.3 ☐ft ☐m | Sp. Conductance (umho/cm) 163.2

Salinity (ppt) 0.08 | Comments

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Harden	04/10/2019	Hand Delivered	1		4/10/19 1555

Group: B	Bottle Type:	BP-1L	# of Bottles: 3	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	3
	CHLSUITE-W						
Group: B	Bottle Type:	P-250ML-WO-THI	# of Bottles: 3	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	3
	ECOLI-18QT						
Group: B	Bottle Type:	P-500ML	# of Bottles: 3	Preservative:	ICE And H2SO4	**Enter Number of Bottles Sent to Lab**	3
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: B	Bottle Type:	P-125ML	# of Bottles: 3	Preservative:	FILTER-ICE	**Enter Number of Bottles Sent to Lab**	3
	W-PO4-F						

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- 2019-01-21-14 Project: SMP 2019

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	04/10/19	0751	20.1	750.9	9.0	8.97	98.8		1.034	(P) / F	(P) / F
ICV	"	"	0806	19.3	751.2	9.1	9.13	99.1			(P) / F	(P) / F
CCV	"	"	1555	26.0	758	8.0	8.07	99.5			(P) / F	(P) / 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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	Ben Harden	04/10/19	0753	180621C	07/19	1000	1000	(P) / F	(P) / F
ICV	"	"	0754	1805F81	05/20	100	101.3	(P) / F	(P) / F
CCV	"	"	1557	180621C	07/19	1000	1000	(P) / F	(P) / F
CCV								P / F	L / F

Conductivity Acceptance criteria ± 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	04/10/19	0757	180103C	10/19	7.02	19.1	7.02	-35.8	(P) / F	(P) / F
Calibr.	"	"	0800	180621D	07/19	4.00	18.9	4.00	144.6	(P) / F	(P) / F
Calibr.	"	"	0802	180621F	01/20	10.06	18.8	10.08	-197.3	(P) / F	(P) / F
ICV	"	"	0803	"	"	10.06	18.9	10.05	-196.3	(P) / F	(P) / F
CCV	"	"	1558	180621D	07/19	4.00	21.4	4.05	143.7	(P) / F	(P) / F
CCV										P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50; mV pH 4 Range +180 ± 50; mV pH 10 Range -180 ± 50;
If mV are recorded: slope from 7 to 10 161.5, slope from 4 to 7 180.4 (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	04/10/19	0809	0272	0.272	(P) / F	(P) / F

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

COMMENTS: