



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Horseshoe Creek 100m upstream from Inter-coastal/Lake Wimico

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

WIN/ Field ID: G2TLHR0033

WBID: 1272

Latitude: 29.8439

(Decimal Degrees)

County: Gulf

ORG ID: 21FLTLHR

Longitude: 85.2123

(Decimal Degrees)

Receiving Body of Water: Inter-coastal/Lake Wimico

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# 53184 Matrix: Fresh / Marine / DI

Photos: Yes / No Flow: No Flow / Intestinal / Flowing / NA Tide: Rising/ Falling/ Slack/ NA Tide Times: High 0956 Low 1339

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	1245	1.8	0.9	0.3	8.26	96.8	7.42	0.08	163.2	23.2
CEN	1248		1.3		8.24	95.0	7.37	0.08	163.0	22.4

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	SA8274050	10/01/19	☒ <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-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:

Signature: [Signature]

Field/WIN ID →

Location ↓



G2TLHR0033

Horseshoe Creek 100m upstream from Intercoastal/Lake Wimico

Date: 04/10/2019

LIMS EVENT ID: TLH-ROL-2019-04-10-01

WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT: BH

04/12/19

QC Station ID, Field Parameters In LIMS DMT: CG 4-16-19

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

Page 1 of 3
last revised Jan 25, 2018

Customer: TLH-ROC
Project ID: SMP

Requester: Michael Eckles
Collected By: Green, Hayden

Field Report Prepared By: Green, Hayden
Sampling Agency: 8024

Field/WIN ID →		☐ 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)
Location ↓	Intercoastal 450m d-stream Pine Log boat Ramp									
Latitude		☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Temp (C) 21.3	pH 6.66	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 123.2	A
Field/WIN ID →		☐ 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)
Location ↓	SAUL CREEK @ MOUTH									
Latitude		☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Temp (C) 22.6	pH 6.76	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 142.6	B
Field/WIN ID →		☐ 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)
Location ↓	Double Bayou 800m upstream from Lake Winnico									
Latitude		☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Temp (C) 22.1	pH 7.17	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 166.6	B
Field/WIN ID →		☐ 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)
Location ↓	Horseshoe Creek 100m upstream from Intercoastal/Lake Winnico									
Latitude		☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Temp (C) 23.2	pH 7.42	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 163.2	B

Relinquished By: <u>Hayden</u>	Date/Time: <u>04/10/2019</u>	Shipping Method: <u>Hand Delivered</u>	Number of Coolers Shipped: <u>1</u>	Received By: 	Date/Time: <u>4/16/19</u>	<u>1555</u>
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Group: B	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 3	Preservative: ICE	Enter Number of Bottles Sent to Lab	3
Group: B	Bottle Type: ECOLI-18QT	P-250ML-WO-THI	# of Bottles: 3	Preservative: ICE	Enter Number of Bottles Sent to Lab	3
Group: B	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 3	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	3
Group: B	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 3	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	3

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: 15349

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		1.0345	☒ F	☒ F
ICV	"	"	0806	19.3	751.2	9.1	9.13	99.1			☒ F	☒ F
CCV	"	"	1555	26.0	758.8	8.0	8.07	99.5			☒ F	☒ 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.	Ben Harden	04/10/19	0753	180621C	07/19	1000	1000	☒ F	☒ F
ICV	"	"	0754	1805F81	05/20	100	101.3	☒ F	☒ F
CCV	"	"	1557	180621C	07/19	1000	1000	☒ F	☒ 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	04/10/19	0757	180403C	10/19	7.02	19.1	7.02	-358	☒ F	☒ F
Calibr.	"	"	0800	180621D	07/19	4.00	18.9	4.00	144.6	☒ F	☒ F
Calibr.	"	"	0802	180621F	01/20	10.06	18.6	10.06	-197.3	☒ F	☒ F
ICV	"	"	0803	"	"	10.06	18.9	10.05	-196.3	☒ F	☒ F
CCV	"	"	1558	180621D	07/19	4.00	21.4	4.05	143.7	☒ F	☒ 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 10 161.5, 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	0804	0.272	0.272	☒ F	☒ F

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

COMMENTS: