



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Double Bayou 800m upstream from Lake Wimico

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

WIN/ Field ID: G2TLHR0003

WBID: 1262

Latitude: 29.791

(Decimal Degrees)

County: Gulf

ORG ID: 21FLTLHR

Longitude: 85.1076

(Decimal Degrees)

Receiving Body of Water: Lake Wimico

RQ- 2019-01-21-14

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
Ben Hader Chris Green				☒	☒	☒	☒	☒	☒ 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 / <u>High</u> / Flooded				Meter ID# 153484				Matrix: <u>Fresh</u> Marine / DI				
Photos: <u>Yes</u> / No				Flow: No Flow / Intestinal <u>Flowing</u> / NA				Tide: Rising/ Falling/ <u>Slack</u> / NA				
Tide Times: High <u>0956</u> Low <u>1334</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°)		
CEN	1220	4.5	0.3	0.6	7.87	90.7	7.17	0.08	166.6	22.1		
	1223		4.0		5.64	63.3	6.83	0.12	260.9	21.0		
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	518274050	10/1/19	☒ <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-CH-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 ↓

Double Bayou 800m upstream from Lake Wimico



G2TLHR0003

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

04/12/2019

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

Scan/Save Field Sheets

CB 4-16-19

Migrate Data to WIN:

Verify Data In WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: TLH-ROC
Project ID: SMP

Requester: Michael Eckles
Collected By: Green, Haden

Field Report Prepared By: Green, Haden
Sampling Agency: 6034

Field/WIN ID →			G2TLHR0034		☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	0.06	Collection (comp begin or grab)	04/10/2019	Time	1111	Matrix (type, e.g., Salt, Fresh, etc)	Fresh	Temp (C)	21.3	pH	6.66	Sample Depth	0.3	Sp. Conductance (umho/cm)	123.2	Diss. Oxygen (mg/L)	6.78	Bottle Group(s)	A
Location ↓	Intercoastal 450m d-stream Pine Log boat Ramp																										
Latitude																											
Field/WIN ID →			G2TLHR0014		☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	0.07	Collection (comp begin or grab)	04/10/2019	Time	1155	Matrix (type, e.g., Salt, Fresh, etc)	Fresh	Temp (C)	22.6	pH	6.76	Sample Depth	0.3	Sp. Conductance (umho/cm)	142.6	Diss. Oxygen (mg/L)	4.83	Bottle Group(s)	B
Location ↓	SAUL CREEK @ MOUTH																										
Latitude																											
Field/WIN ID →			G2TLHR0003		☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	0.08	Collection (comp begin or grab)	04/10/2019	Time	1220	Matrix (type, e.g., Salt, Fresh, etc)	Fresh	Temp (C)	22.1	pH	7.17	Sample Depth	0.3	Sp. Conductance (umho/cm)	166.6	Diss. Oxygen (mg/L)	7.87	Bottle Group(s)	B
Location ↓	Double Bayou 800m upstream from Lake Wimico																										
Latitude																											
Field/WIN ID →			G2TLHR0033		☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	0.08	Collection (comp begin or grab)	04/10/2019	Time	1245	Matrix (type, e.g., Salt, Fresh, etc)	Fresh	Temp (C)	23.2	pH	7.42	Sample Depth	0.3	Sp. Conductance (umho/cm)	163.2	Diss. Oxygen (mg/L)	8.26	Bottle Group(s)	B
Location ↓	Horseshoe Creek 100m upstream from Intercoastal/Lake Wimico																										
Latitude																											

Relinquished By: <u>Haden</u>	Date/Time: <u>04/10/19</u>	Shipping Method: <u>Hand Delivered</u>	Number of Coolers Shipped: <u>1</u>	Received By: 	Date/Time: <u>4/10/19</u>
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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
	ECOL-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		1.0345	☒ 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	4.06	18.9	4.00	144.6	☒ F	☒ F
Calibr.	"	"	0802	180621F	01/20	10.04	18.8	10.08	-197.3	☒ F	☒ F
ICV	"	"	0803	"	"	10.08	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	0809	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: