



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / No

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

Date: 11/29/2016
(mm/dd/yyyy)

WIN/ Field ID: G2TLHR0003

WBID: 1262

Latitude: 29.79101

(Decimal Degrees)

County: Gulf

ORG ID: 21FLTLHR

Longitude: 85.107683

(Decimal Degrees)

Receiving Body of Water: Lake Wimico

RQ-2018-11-26-69

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment					
San Woody Ben Harden						X	X	X	X	X	☒ Sample Container	☐ Van Dorn	☐ Pole			
											☐ Carboy	☒ Syringe	☐ Dipper	☐ Other		
Depth Measured with						Equipment ID					Collection Method					
sonar						#1					☐ Wading	☐ Canoe/Kayak				
											☐ From Shore	☐ Electric Motor				
											☐ Other	☒ Gasoline Motor				
Water Level: Dry/ Pooled/ Low / Normal / High / Flooded						Meter ID# 153464					Matrix: Fresh / Marine / DI					
Photos: Yes / No						Flow: No Flow / Intertidal / 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 (PPTH)	Sp COND (µmhos/cm)	Temp. (C°)						
EST	1115	3.7	0.3	1.5	6.22	56.4	6.66	0.12	260	11.0						
CEN	1120		3.2		6.14	55.7	6.62	0.12	260	10.9						
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		6274650				☒ <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-Q-IC / ☒ W-COLOR / ☒ W-SO4-IC / ☒ W-TDS					☒ Ice									
Physical/Aggregate (Marine)		☐ Alkalinity / ☐ 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-HF183 ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-GFD					☐ Ice									
Tracers		☐ W-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA					☐ Ice									
Pesticides		☐ W-PSNP-TQ ☐ W-UHERB-AA ☐ W-AHERB-AA ☐ W-CARB-AA ☐ W-PCL-SQ-R ☐ W-PYR-AA-R ☐ W-GLYPH ☐ W-SUC-AA-R					☐ Ice ☐ Other									

Notes:

A-b

Place Label Here

Signature:

Date:

Enter Field Parameters, Verify Station ID in LIMS DMT:

QC Station ID, Field Parameters in LIMS DMT:

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data in WIN:

**Florida Department of Environmental Protection
Central Laboratory Submittal Form**

Customer: TLH-ROC

Requester: Michael Eckles

Field Report Prepared By: Woods

Project ID: SMP

Collected By: Woods/HardenSampling Agency: 8034

Location		Brothers River		Collection (comp begin or grab)		Time 1025		Composite end		Bottle Group(s)	
Field ID		Comp	Grab	Date 11/29/18	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	7.90	Total Res. Chlorine			(See pg 2)
WIN/STORET #	G2TLH00013										A
Latitude		Temp (C)	13.0	pH	6.28	Sample Depth	0.3	Sp. Conductance (umho/cm)	112		
		Salinity (ppt)	0.05	Comments							
Location		Saw Creek		Collection (comp begin or grab)		Time 1050		Composite end		Bottle Group(s)	
Field ID		Comp	Grab	Date 11/29/18	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	7.86	Total Res. Chlorine			
WIN/STORET #	G2TLH00014										A
Latitude		Temp (C)	12.4	pH	6.74	Sample Depth	0.3	Sp. Conductance (umho/cm)	134		
		Salinity (ppt)	0.06	Comments							
Location		Double Bayou 800m Lake Winnie		Collection (comp begin or grab)		Time 1115		Composite end		Bottle Group(s)	
Field ID		Comp	Grab	Date 11/29/18	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	6.22	Total Res. Chlorine			
WIN/STORET #	G2TLH0003										A
Latitude		Temp (C)	11.0	pH	6.66	Sample Depth	0.3	Sp. Conductance (umho/cm)	260		
		Salinity (ppt)	0.12	Comments							
Location		100m upstream from Horseshoe Creek from intercoastal lake Winnie		Collection (comp begin or grab)		Time		Composite end		Bottle Group(s)	
Field ID		Comp	Grab	Date 11/29/18	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	8.80	Total Res. Chlorine			
WIN/STORET #	G2TLH00033										A
Latitude		Temp (C)	12.6	pH	6.86	Sample Depth	0.3	Sp. Conductance (umho/cm)	225		
		Salinity (ppt)	0.11	Comments							

Relinquished By: <u>JW</u>	Date/Time: <u>11/29/18/1451</u>	Shipping Method: <u>HD</u>	Number of Coolers Shipped: <u>1</u>	Received By: <u>[Signature]</u>	Date/Time: <u>11/29/18 1452</u>
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Group: A	Bottle Type:	P-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	CHLSUITE-W						
Group: A	Bottle Type:	P-250ML-WO-THI	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	ECOL-18QT						
Group: A	Bottle Type:	P-500ML	# of Bottles: 4	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	4
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 4	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	4
	W-PO4-F						

6274050

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: 1534184

RQ:

Project:

- 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

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	11/29/18	0750	19.8	7621	9.15	9.15	100.3		1.034	P/F	D/F
ICV	"	"	0804	20.2	7621	8.98	9.06	99.1			P/F	D/F
CCV	"	"	1451	16.3	7602	9.81	9.89	100.9			P/F	D/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	11/29/18	0752	180621C	07/19	1000	1000	P/F	D/F
ICV	"	"	0754	1805F81	05/20	100	101.1	P/F	D/F
CCV	"	"	1453	180621C	07/19	1000	996	P/F	D/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	11/29/18	0756	180621E	01/20	7.03	19.0	12.85	-18.7	P/F	D/F
Calibr.	"	"	0758	180621D	07/19	4.00	18.8	4.00	157.3	P/F	D/F
Calibr.	"	"	0800	180403D	10/19	10.00	18.6	10.08	-174.5	P/F	D/F
ICV	"	"	0802	"	"	10.00	19.4	10.06	-174.0	P/F	D/F
CCV	"	"	1455	180621D	07/19	4.00	18.7	4.14	157.6	P/F	D/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 10 156.1, slope from 4 to 7 176.0 (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:

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	11/29/18	0749	0.00	0.00	P/F	D/F

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

COMMENTS:

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: RQ- Project:

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

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.											P / F	L / F
ICV											P / F	L / F
CCV											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.								P / F	L / F
ICV								P / F	L / F
CCV								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.						7.				P / F	L / F
Calibr.						4.				P / F	L / F
Calibr.						10.				P / F	L / F
ICV										P / F	L / F
CCV										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 _____, 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)

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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						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: