



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

Data Qualified?

Yes / No

January 2018

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

Date: 10/31/2016
(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-2018-09-17-57

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Jon Woods					X	X			
Lade Burchett					X	X	X	X	

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☒ Syringe	
☐ Dipper	☐ Other	
Depth Measured with <u>Sonds</u>		
Equipment ID <u>#1</u>		

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

Water Level: Dry/ Pooled/ Low / Normal / High / Flooded

Meter ID# 154177

Matrix: Fresh Marine / DIPhotos: Yes / NoFlow: No Flow / Intestinal / Flowing / NATide: 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	1225	4.0	0.3	0.5	3.12	35.7	7.34	0.33	678	21.6
CEN	1226		3.5		0.97	11.2	6.79	0.66	1298	21.4

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	6197090	7/6/19	☒ <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-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			

Place Preservative Sticker(s) Here
(If Available)

Notes:

Field/WIN ID →



G2TLHR0003

Location ↓

Double Bayou 800m upstream from Lake Wimico

Signature:

Date: 10/31/2016

Enter Field Parameters, Verify Station ID in LIMS DMT: Jon 11/9/16

QC Station ID, Field Parameters in LIMS DMT:

(Initials/Date)

Scan/Save Field Sheets

Jon 11/9/16

(Initials/Date)

Migrate Data to WIN:

(Initials/Date)

Verify Data in WIN:

(Initials/Date)

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: 154177

RQ-

Project: SMP 2018

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 9/18

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.	J. Burtchett	10/31/18	759	19.9	76.4	9.11	9.13	100.2	-	0.99	P/F	L/F
ICV	↓	↓	809	19.1	76.3	9.26	9.24	99.8	-	-	P/F	L/F
CCV	↓	↓	1517	25.9	759.3	8.13	8.16	100.4	-	-	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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	J. Burtchett	10/31/18	801	180621C	07/19	1200	1200	P/F	L/F
ICV	↓	↓	811	1805581	05/20	100	102	P/F	L/F
CCV	↓	↓	1519	180621A	7/2019	10,000	100087	P/F	L/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.	J. Burtchett	10/31/18	803	1806216	01/20	7.02	19.0	7.03	-24.2	P/F	L/F
Calibr.	↓	↓	805	1805103	05/19	4.00	19.1	4.00	150.4	P/F	L/F
Calibr.	↓	↓	807	1804030	10/19	10.08	19.3	10.07	-145.9	P/F	L/F
ICV	↓	↓	813	1804030	10/19	10.08	18.9	10.06	-147.6	P/F	L/F
CCV	↓	↓	1521	1805103	05/2019	4.01	22.3	4.03	148.4	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 ± 50;

mV pH 10 Range -180 ± 50;

If mV are recorded: slope from 7 to 10 1, slope from 4 to 7 1 (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: 9/18

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	J. Burtchett	10/31/18	757	0.00	0.00	P/F	L/F

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

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						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
Central Laboratory Submittal Form**

Customer: TLH-ROC

Requester: Michael Eckles

Field Report Prepared By: Woods

Project ID: SMP

Collected By: Woods/BuckheftSampling Agency: 8034

Location Field/WIN ID → Location ↓ Horseshoe Creek 100m upstream from Intercoastal/Lake Wimico Latitude Longitude ☐ dd ☐ dms		Collection (comp begin or grab) ☒ Comp Grab Date <u>10/31/18</u> Time <u>1155</u> Matrix (type, e.g., Salt, Fresh, etc) Temp (C) <u>21.5</u> pH <u>7.48</u> Salinity (ppt) <u>0.64</u> Comments ☐ dd ☐ dms		Composite end ☒ Eastern Central Date Diss. Oxygen <u>5.66</u> mg/L ☒ % sat Total Res. Chlorine (mg/L) Sample Depth <u>0.3</u> ft ☒ m Sp. Conductance (umho/cm) <u>1281</u>		Bottle Group(s) (See pg 2) <u>A</u>	
Location Field/WIN ID → Location ↓ Double Bayou 800m upstream from Lake Wimico Latitude Longitude ☐ dd ☐ dms		Collection (comp begin or grab) ☒ Comp Grab Date <u>10/31/18</u> Time <u>1225</u> Matrix (type, e.g., Salt, Fresh, etc) Temp (C) <u>21.8</u> pH <u>7.34</u> Salinity (ppt) <u>0.33</u> Comments ☐ dd ☐ dms		Composite end ☒ Eastern Central Date Diss. Oxygen <u>3.12</u> mg/L ☒ % sat Total Res. Chlorine (mg/L) Sample Depth <u>0.3</u> ft ☒ m Sp. Conductance (umho/cm) <u>678</u>		Bottle Group(s) (See pg 2) <u>A</u>	
Location Field/WIN ID → Location ↓ SAUL CREEK @ MOUTH Latitude Longitude ☐ dd ☐ dms		Collection (comp begin or grab) ☒ Comp Grab Date <u>10/31/18</u> Time <u>1250</u> Matrix (type, e.g., Salt, Fresh, etc) Temp (C) <u>21.4</u> pH <u>7.25</u> Salinity (ppt) <u>0.07</u> Comments ☐ dd ☐ dms		Composite end ☒ Eastern Central Date Diss. Oxygen <u>2.99</u> mg/L ☒ % sat Total Res. Chlorine (mg/L) Sample Depth <u>0.3</u> ft ☒ m Sp. Conductance (umho/cm) <u>156</u>		Bottle Group(s) (See pg 2) <u>A</u>	
Location Field/WIN ID → Location ↓ BROTHERS RIVER @ MOUTH Latitude Longitude ☐ dd ☐ dms		Collection (comp begin or grab) ☒ Comp Grab Date <u>10/31/18</u> Time <u>1315</u> Matrix (type, e.g., Salt, Fresh, etc) Temp (C) <u>22.4</u> pH <u>6.98</u> Salinity (ppt) <u>0.06</u> Comments ☐ dd ☐ dms		Composite end ☒ Eastern Central Date Diss. Oxygen <u>2.81</u> mg/L ☒ % sat Total Res. Chlorine (mg/L) Sample Depth <u>0.3</u> ft ☒ m Sp. Conductance (umho/cm) <u>139</u>		Bottle Group(s) (See pg 2) <u>A</u>	

Relinquished By: <u>Woods</u>	Date/Time: <u>10/31/18 1515</u>	Shipping Method: <u>HD</u>	Number of Coolers Shipped: <u>1</u>	Received By: <u>[Signature]</u>	Date/Time: <u>10/31/18 1519</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
	ECOLI-18QT						
Group: A	Bottle Type:	P-500ML	# of Bottles: 4	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	
	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						