Double Bayou 800m upstream from Lake Wimico

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified? Yes / No

WIN Station Name: Double Bayou ~~Horseshoe Creek 100m upstream from Inter-coastal/Lake Wimico~~ Date: 6-5-19 (mm/dd/yyyy)

WIN/ Field ID: ~~G2TLHR0033~~ G2TLHR0003 WBID: ~~1277~~ 1262 Latitude: ~~29.8439~~ 29.791 (Decimal Degrees)

County: Gulf ORG ID: 21FLTLHR Longitude: ~~85.2182~~ 85.1076 (Decimal Degrees)

Receiving Body of Water: ~~Inter-coastal~~/Lake Wimico RQ- 2019-05-27-44

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Paul Blair	✓		✓		
Ben Harden		✓		✓	✓

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# 153484 Matrix: Fresh / Marine / DI

Photos: Yes / No Flow: No Flow / Intestital / 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	12:10	PB ~~0.3~~	0.3	1.2	7.53	101.5	7.52	0.09	185.1	31.1
CEN	12:15	3.6	3.1		7.30	98.2	7.42	0.09	185.5	31.0

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	9129106	5-9-20	☑ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO_3			☐ <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 → G2TLHR0003

Location ↓ Double Bayou 800m upstream from Lake Wimico

Signature: Paul Blair Date: 6-5-19

LIMS EVENT ID: ____ WIN Import ID: ____

Enter Field Parameters, Verify Station ID In LIMS DMT: ____ (Initials/Date) QC Station ID, Field Parameters In LIMS DMT: ____ (Initials/Date)

Scan/Save Field Sheets ____ (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: 153484 **RQ-** 2019-05-27-44 **Project:** 2019 SMP

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	Barometer mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Ben Harden	06/05/19	0759	20.6	757.5	9.0	8.96	99.8		1.04/87	P / F	L / F
ICV	"	"	0800	20.6	757.5	9.0	8.98	100.0			P / F	L / F
CCV	"	"	1531	21.4	755.7	8.8	8.89	100.5			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.	Ben Harden	06/05/19	0802	180621C	07/19	1000	1001	P / F	L / F
ICV	"	"	0803	25[illegible]84	07/20	100.0	101.0	P / F	L / F
CCV	"	"	1534	180821A	07/19	10,000	10,238	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.	Ben Harden	06/05/19	0805	180621E	01/20	7.02	19.9	7.02	-41.3	P / F	L / F
Calibr.	"	"	0807	190405B	10/20	4.00	19.7	4.00	140.2	P / F	L / F
Calibr.	"	"	0809	180621F	01/20	10.07	19.1	10.07	-203.3	P / F	L / F
ICV	"	"	0810	"	"	10.06	18.8	10.06	-201.1	P / F	L / F
CCV	"	"	1536	190405B	10/20	4.00	20.7	4.14	132.8	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 10 162.0, slope from 4 to 7 181.5 (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	06/05/19	0750	0.272	0.272	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:

Form effective August 1, 2018

Request Number: RQ-2019-05-27-44

Run 13

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: Blair/Harden

Field Report Prepared By: Paul Blair

Sampling Agency: 8034

Field/WIN ID → G2TLHR0033

Location ↓ Horseshoe Creek 100m upstream from Intercoastal/Lake Wimico

Comp / ☑ Grab | Collection (comp begin or grab) Date 6-5-19 Time 11:35 Eastern / Central | Composite end Date Time | Bottle Group(s) (See pg 2): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 5.46 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 31.8 | pH 7.23 | Sample Depth 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm) 6050

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms | Salinity (ppt) 3.3 | Comments

---

Field/WIN ID → G2TLHR0003

Location ↓ Double Bayou 800m upstream from Lake Wimico

Comp / ☑ Grab | Collection (comp begin or grab) Date 6-5-19 Time 12:10 Eastern / Central | Composite end Date Time | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 7.53 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 31.1 | pH 7.52 | Sample Depth 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm) 185.1

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms | Salinity (ppt) 0.09 | Comments

---

Field/WIN ID → G2TLHR0014

Location ↓ SAUL CREEK @ MOUTH

Comp / ☑ Grab | Collection (comp begin or grab) Date 6-5-19 Time 12:35 Eastern / Central | Composite end Date Time | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 7.26 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 30.5 | pH 7.30 | Sample Depth 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm) 156.9

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms | Salinity (ppt) | Comments

---

Field/WIN ID → G2TLHR0034

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

Comp / ☑ Grab | Collection (comp begin or grab) Date 6-5-19 Time 12:55 Eastern / Central | Composite end Date Time | Bottle Group(s)

Matrix (type, e.g., Salt, Fresh, etc): Salt | Diss. Oxygen 7.05 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 30.5 | pH 7.29 | Sample Depth 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm) 221.8

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms | Salinity (ppt) 0.10 | Comments

---

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Paul Blair	6-5-19	hand delivered		KK	6.5.19 / 15:40

Group:	Bottle Type:	# of Bottles:	Preservative:	Enter Number of Bottles Sent to Lab
A	P-1L	3	ICE	3
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS			
A	BP-1L	3	ICE	3
	CHLSUITE-W			
A	P-250ML-WO-THI	3	ICE	3
	ECOLI-18QT			
A	P-500ML	3	ICE And H2SO4 9129100	3
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC			
A	P-125ML	3	FILTER-ICE	3
	W-PO4-F			
B	P-1L	2	ICE	X
	ALKALINITY TURBIDITY W-BR-IC W-F W-TSS			
B	BP-1L	2	ICE	X
	CHLSUITE-W			
B	P-250ML-WO-THI	2	ICE	X
	ENT-24-QT			
B	P-250ML-WO-THI	2	ICE	X
	FCOLI-MF			

Group:	Bottle Type:	# of Bottles:	Preservative:	Enter Number of Bottles Sent to Lab
D	P-1L	1	ICE	1
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS			
D	BP-1L	1	ICE	1
	CHLSUITE-W			
D	P-250ML-WO-THI	1	ICE	1
	ECOLI-18QT			
D	P-500ML	1	HNO3 9099036	1
	W-ICP W-ICPMS			
D	P-500ML	1	ICE And H2SO4 9129100	1
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC			
D	P-125ML	1	FILTER-ICE	1
	W-PO4-F			
E	P-1L	2	ICE	
	ALKALINITY TURBIDITY W-BR-IC W-F W-TSS			
E	P-250ML-WO-THI	2	ICE	
	ENT-24-QT			
E	P-250ML-WO-THI	2	ICE	

Group:	Bottle Type:	# of Bottles:	Preservative:	Enter Number of Bottles Sent to Lab
B	P-500ML	2	HNO3	X
	W-ICP W-ICPMS			
B	P-500ML	2	ICE And H2SO4	X
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC			
B	P-125ML	2	FILTER-ICE	X
	W-PO4-F			
C	P-1L	1	ICE	
	ALKALINITY TURBIDITY W-BR-IC W-F W-TSS			
C	BP-1L	1	ICE	
	CHLSUITE-W			
C	P-250ML-WO-THI	1	ICE	
	ENT-24-QT			
C	P-250ML-WO-THI	1	ICE	
	FCOLI-MF			
C	P-500ML	1	ICE And H2SO4	
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC			
C	P-125ML	1	FILTER-ICE	
	W-PO4-F			
D	P-1L	1	ICE	1

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified? Yes / No

WIN Station Name: Saul Creek @ Mouth **Date:** 6-5-19 (mm/dd/yyyy)

WIN/ Field ID: G2TLHR0014 **WBID:** 1271 **Latitude:** 29.7896 (Decimal Degrees)

County: Gulf **ORG ID:** 21FLTLHR **Longitude:** 85.0505 (Decimal Degrees)

Receiving Body of Water: Inter-coastal/Apalachicola River **RQ-** 2019-05-27-94

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Paul Blair	✓		✓		
Ben Harden		✓		✓	✓

Sampling Equipment
- [x] Sample Container
- [ ] Van Dorn
- [ ] Pole
- [ ] Carboy
- [x] Syringe
- [ ] Dipper
- [ ] Other
- Depth Measured with
- Equipment ID

Collection Method
- [ ] Wading
- [ ] Canoe/Kayak
- [ ] From Shore
- [ ] Electric Motor
- [ ] Other
- [x] Gasoline Motor

Water Level: Dry/ Pooled/ Low / Normal / High / Flooded **Meter ID#** 153484 **Matrix:** Fresh / Marine / DI

Photos: Yes / No **Flow:** No Flow / Intestital / 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	12:35	7.2	0.3	1.1	7.26	97.5	7.30	0.07	156.9	30.5
CEN	12:40		6.7		5.25	68.8	6.96	0.05	140.8	29.5

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	[x] W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	[x] Ice [x] H_2SO_4	9129108	5-9-20	[x] <2
Metals	[ ] W-ICPMS [ ] W-ICP	[ ] Ice [ ] HNO_3			[ ] <2
Filtered Nutrients	[x] W-PO4-F [x] Field Filtered 0.45 µm Filter	[x] Ice			
Chlorophyll	[x] CHLSUITE-W	[x] Ice			
Physical/Aggregate (Fresh)	[x] Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	[x] Ice			
Physical/Aggregate (Marine)	[ ] Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	[ ] Ice			
Macroinvertebrates	[ ] MI-FW-QLDC	[ ] Formalin			
Periphyton	[ ] ALGAE-ID	[ ] Ice			
Microbiology	[x] E Coli [ ] F Coli [ ] Enterococci	[x] 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				

Place Preservative Sticker(s) Here (If Available)

Notes:

Field/WIN ID → G2TLHR0014

Location ↓ SAUL CREEK @ MOUTH

Signature: Paul Blair **Date:** 6-5-19

LIMS EVENT ID: WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT: (Initials/Date) QC Station ID, Field Parameters In LIMS DMT: (Initials/Date)

Scan/Save Field Sheets (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: 153484 RQ- 2019-05-27-44 Project: 2019 SMP

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	Barometer mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Ben Harden	06/05/19	0759	20.6	757.5	9.0	8.96	99.8		1.04/87	P / F	L / F
ICV	"	"	0800	20.6	757.5	9.0	8.98	100.0			P / F	L / F
CCV	"	"	1531	21.4	755.7	8.8	8.89	100.5			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.	Ben Harden	06/05/19	0802	180621C	07/19	1000	1001	P / F	L / F
ICV	"	"	0803	25[illegible]84	07/20	100.0	101.0	P / F	L / F
CCV	"	"	1534	180821A	07/19	10,000	10,238	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.	Ben Harden	06/05/19	0805	180621E	01/20	7.02	19.9	7.02	-41.3	P / F	L / F
Calibr.	"	"	0807	190405B	10/20	4.00	19.7	4.00	140.2	P / F	L / F
Calibr.	"	"	0809	180621F	01/20	10.07	19.1	10.07	-203.3	P / F	L / F
ICV	"	"	0810	"	"	10.08	18.8	10.08	-201.1	P / F	L / F
CCV	"	"	1536	190405B	10/20	4.00	20.7	4.14	132.8	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 10 162.0, slope from 4 to 7 181.5 (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	06/05/19	0750	0.272	0.272	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:

Form effective August 1, 2018

Request Number: RQ-2019-05-27-44

Run 13

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: Blair/Harden

Field Report Prepared By: Paul Blair

Sampling Agency: 8034

Field/WIN ID → G2TLHR0033

Location ↓

Horseshoe Creek 100m upstream from Intercoastal/Lake Wimico

Field ID

WIN/S

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 6-5-19 Time 11:35 Eastern Central | Composite end Date Time

Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen 5.46 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 31.8 | pH 7.23 | Sample Depth 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm) 6050

Salinity (ppt) 3.3 | Comments

Bottle Group(s) (See pg 2): A

Field/WIN ID → G2TLHR0003

Location ↓

Double Bayou 800m upstream from Lake Wimico

Field ID

WIN/STC

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 6-5-19 Time 12:10 Eastern Central | Composite end Date Time

Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen 7.53 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 31.1 | pH 7.52 | Sample Depth 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm) 185.1

Salinity (ppt) 0.09 | Comments

Bottle Group(s): A

Field/WIN ID → G2TLHR0014

Location ↓

SAUL CREEK @ MOUTH

Field ID

WIN/ST

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 6-5-19 Time 12:35 Eastern Central | Composite end Date Time

Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen 7.26 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 30.5 | pH 7.30 | Sample Depth 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm) 156.9

Salinity (ppt) | Comments

Bottle Group(s): A

Field/WIN ID → G2TLHR0034

Location ↓

Intercoastal 450m d-stream Pine Log boat Ramp

Field ID

WIN/STC

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 6-5-19 Time 12:55 Eastern Central | Composite end Date Time

Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen 7.05 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 30.5 | pH 7.29 | Sample Depth 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm) 221.8

Salinity (ppt) 0.10 | Comments

Bottle Group(s)

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Paul Blair	6-5-19	hand delivered		KK	6.5.19 / 15:40

Group	Bottle Type	# of Bottles	Preservative	Enter Number of Bottles Sent to Lab
A	P-1L	3	ICE	3
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS			
A	BP-1L	3	ICE	3
	CHLSUITE-W			
A	P-250ML-WO-THI	3	ICE	3
	ECOLI-18QT			
A	P-500ML	3	ICE And H2SO4	3
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC		9129100	
A	P-125ML	3	FILTER-ICE	3
	W-PO4-F			
B	P-1L	2	ICE	X
	ALKALINITY TURBIDITY W-BR-IC W-F W-TSS			
B	BP-1L	2	ICE	X
	CHLSUITE-W			
B	P-250ML-WO-THI	2	ICE	X
	ENT-24-QT			
B	P-250ML-WO-THI	2	ICE	X
	FCOLI-MF			

Group:	Bottle Type:	# of Bottles:	Preservative:	Enter Number of Bottles Sent to Lab
D	P-1L	1	ICE	1
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS			
D	BP-1L	1	ICE	1
	CHLSUITE-W			
D	P-250ML-WO-THI	1	ICE	1
	ECOLI-18QT			
D	P-500ML	1	HNO3 9099036	1
	W-ICP W-ICPMS			
D	P-500ML	1	ICE And H2SO4 9129100	1
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC			
D	P-125ML	1	FILTER-ICE	1
	W-PO4-F			
E	P-1L	2	ICE	
	ALKALINITY TURBIDITY W-BR-IC W-F W-TSS			
E	P-250ML-WO-THI	2	ICE	
	ENT-24-QT			
E	P-250ML-WO-THI	2	ICE	

Group:	Bottle Type:	# of Bottles:	Preservative:	Enter Number of Bottles Sent to Lab
B	P-500ML	2	HNO3	X
	W-ICP W-ICPMS			
B	P-500ML	2	ICE And H2SO4	X
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC			
B	P-125ML	2	FILTER-ICE	X
	W-PO4-F			
C	P-1L	1	ICE	
	ALKALINITY TURBIDITY W-BR-IC W-F W-TSS			
C	BP-1L	1	ICE	
	CHLSUITE-W			
C	P-250ML-WO-THI	1	ICE	
	ENT-24-QT			
C	P-250ML-WO-THI	1	ICE	
	FCOLI-MF			
C	P-500ML	1	ICE And H2SO4	
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC			
C	P-125ML	1	FILTER-ICE	
	W-PO4-F			
D	P-1L	1	ICE	1

Horseshoe Creek 100m upstream from Intercoastal/Lake Wimico

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified? Yes / No

WIN Station Name: Horseshoe Creek [redacted] **Date:** 6-5-19 (mm/dd/yyyy)

WIN/ Field ID: [redacted] G2TLHR0033 **WBID:** [redacted] 1272 **Latitude:** [redacted] 29.8439 (Decimal Degrees)

County: Gulf **ORG ID:** 21FLTLHR **Longitude:** [redacted] 85.2123 (Decimal Degrees)

Receiving Body of Water: Lake Wimico Inter-coastal **RQ-** 2019-05-27-44

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Paul Blair	✓		✓		
Ben Harden		✓		✓	✓

Sampling Equipment
- [x] Sample Container
- [ ] Van Dorn
- [ ] Pole
- [ ] Carboy
- [x] Syringe
- [ ] Dipper
- [ ] Other
- Depth Measured with
- Equipment ID

Collection Method
- [ ] Wading
- [ ] Canoe/Kayak
- [ ] From Shore
- [ ] Electric Motor
- [ ] Other
- [x] Gasoline Motor

Water Level: Dry/ Pooled/ Low / Normal / High / Flooded **Meter ID#** 153484 **Matrix:** Fresh / Marine / DI

Photos: Yes / No **Flow:** No Flow / Intestital / 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	11:35	2.0	0.3	0.9	5.46	75.9	7.23	3.30	6050	31.8
CEN	11:40		1.5		5.48	76.5	7.27	4.01	7365	31.8

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	[x] W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	[x] Ice [x] H_2SO_4	9129106	05-09-20	[ ] <2
Metals	[ ] W-ICPMS [ ] W-ICP	[ ] Ice [ ] HNO_3			[ ] <2
Filtered Nutrients	[x] W-PO4-F [x] Field Filtered 0.45 µm Filter	[x] Ice			
Chlorophyll	[x] CHLSUITE-W	[x] Ice			
Physical/Aggregate (Fresh)	[x] Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	[x] Ice			
Physical/Aggregate (Marine)	[ ] Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	[ ] Ice			
Macroinvertebrates	[ ] MI-FW-QLDC	[ ] Formalin			
Periphyton	[ ] ALGAE-ID	[ ] Ice			
Microbiology	[x] E Coli [ ] F Coli [ ] Enterococci	[x] 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:

Place Label Here

Signature: Paul Blair **Date:** 6-5-19

LIMS EVENT ID: **WIN Import ID:**

Enter Field Parameters, Verify Station ID In LIMS DMT: (Initials/Date) **QC Station ID, Field Parameters In LIMS DMT:** (Initials/Date)

Scan/Save Field Sheets (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: 153484 RQ- 2019-05-27-44 Project: 2019 SMP

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	Barometer mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Ben Harden	06/05/19	0759	20.6	757.5	9.0	8.96	99.8		1.64/87	P / F	L / F
ICV	"	"	0800	20.6	757.5	9.0	8.98	100.0			P / F	L / F
CCV	"	"	1531	21.4	755.7	8.8	8.89	100.5			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.	Ben Harden	06/05/19	0802	180621C	07/19	1000	1001	P / F	L / F
ICV	"	"	0803	25[illegible]84	07/20	100.0	101.0	P / F	L / F
CCV	"	"	1534	180821A	07/19	10,000	10,238	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.	Ben Harden	06/05/19	0805	180621E	01/20	7.02	19.9	7.02	-41.3	P / F	L / F
Calibr.	"	"	0807	190405B	10/20	4.00	19.7	4.00	140.2	P / F	L / F
Calibr.	"	"	0809	180621F	01/20	10.07	19.1	10.07	-203.3	P / F	L / F
ICV	"	"	0810	"	"	10.06	18.8	10.06	-201.1	P / F	L / F
CCV	"	"	1536	190405B	10/20	4.00	20.7	4.14	132.8	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 10 162.0, slope from 4 to 7 181.5 (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	06/05/19	0750	0.272	0.272	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:

Form effective August 1, 2018

Request Number: RQ-2019-05-27-44

Run 13

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: Blair/Harden

Field Report Prepared By: Paul Blair

Sampling Agency: 8034

Field/WIN ID → G2TLHR0033

Location ↓

Horseshoe Creek 100m upstream from Intercoastal/Lake Wimico

Comp / ☑ Grab	Collection (comp begin or grab) Date 6-5-19 Time 11:35	Eastern / Central	Composite end Date Time	Bottle Group(s) (See pg 2) A	
Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 5.46	☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
Temp (C) 31.8	pH 7.23	Sample Depth 0.3	☐ ft ☑ m	Sp. Conductance (umho/cm) 6050	
Salinity (ppt) 3.3	Comments				

Field/WIN ID → G2TLHR0003

Location ↓

Double Bayou 800m upstream from Lake Wimico

Comp / ☑ Grab	Collection (comp begin or grab) Date 6-5-19 Time 12:10	Eastern / Central	Composite end Date Time	Bottle Group(s) A	
Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 7.53	☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
Temp (C) 31.1	pH 7.52	Sample Depth 0.3	☐ ft ☑ m	Sp. Conductance (umho/cm) 185.1	
Salinity (ppt) 0.09	Comments				

Field/WIN ID → G2TLHR0014

Location ↓

SAUL CREEK @ MOUTH

Comp / ☑ Grab	Collection (comp begin or grab) Date 6-5-19 Time 12:35	Eastern / Central	Composite end Date Time	Bottle Group(s) A	
Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 7.26	☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
Temp (C) 30.5	pH 7.30	Sample Depth 0.3	☐ ft ☑ m	Sp. Conductance (umho/cm) 156.9	
Salinity (ppt)	Comments				

Field/WIN ID → G2TLHR0034

Location ↓

Intercoastal 450m d-stream Pine Log boat Ramp

Comp / ☑ Grab	Collection (comp begin or grab) Date 6-5-19 Time 12:55	Eastern / Central	Composite end Date Time	Bottle Group(s)	
Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 7.05	☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
Temp (C) 30.5	pH 7.29	Sample Depth 0.3	☐ ft ☑ m	Sp. Conductance (umho/cm) 221.8	
Salinity (ppt) 0.10	Comments				

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Paul Blair	6-5-19	hand delivered		KK	6-5-19 / 15:40

Group:	Bottle Type:	# of Bottles:	Preservative:	Enter Number of Bottles Sent to Lab
A	P-1L	3	ICE	3
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS			
A	BP-1L	3	ICE	3
	CHLSUITE-W			
A	P-250ML-WO-THI	3	ICE	3
	ECOLI-18QT			
A	P-500ML	3	ICE And H2SO4 9129100	3
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC			
A	P-125ML	3	FILTER-ICE	3
	W-PO4-F			
B	P-1L	2	ICE	X
	ALKALINITY TURBIDITY W-BR-IC W-F W-TSS			
B	BP-1L	2	ICE	X
	CHLSUITE-W			
B	P-250ML-WO-THI	2	ICE	X
	ENT-24-QT			
B	P-250ML-WO-THI	2	ICE	X
	FCOLI-MF			

Group:	Bottle Type:	# of Bottles:	Preservative:	Enter Number of Bottles Sent to Lab
D	P-1L	1	ICE	1
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS			
D	BP-1L	1	ICE	1
	CHLSUITE-W			
D	P-250ML-WO-THI	1	ICE	1
	ECOLI-18QT			
D	P-500ML	1	HNO3 9099036	1
	W-ICP W-ICPMS			
D	P-500ML	1	ICE And H2SO4 9129100	1
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC			
D	P-125ML	1	FILTER-ICE	1
	W-PO4-F			
E	P-1L	2	ICE	
	ALKALINITY TURBIDITY W-BR-IC W-F W-TSS			
E	P-250ML-WO-THI	2	ICE	
	ENT-24-QT			
E	P-250ML-WO-THI	2	ICE	

Group:	Bottle Type:	# of Bottles:	Preservative:	Enter Number of Bottles Sent to Lab
B	P-500ML	2	HNO3	X
	W-ICP W-ICPMS			
B	P-500ML	2	ICE And H2SO4	X
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC			
B	P-125ML	2	FILTER-ICE	X
	W-PO4-F			
C	P-1L	1	ICE	
	ALKALINITY TURBIDITY W-BR-IC W-F W-TSS			
C	BP-1L	1	ICE	
	CHLSUITE-W			
C	P-250ML-WO-THI	1	ICE	
	ENT-24-QT			
C	P-250ML-WO-THI	1	ICE	
	FCOLI-MF			
C	P-500ML	1	ICE And H2SO4	
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC			
C	P-125ML	1	FILTER-ICE	
	W-PO4-F			
D	P-1L	1	ICE	1

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:** 6-5-19 (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-** 2019-05-27-44

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Paul Blair	✓		✓		
Ben Harden		✓		✓	✓

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#** 154383 **Matrix:** Fresh / Marine / DI

Photos: Yes / No **Flow:** No Flow / Intestital / 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	12:55	5.4	0.3	1.2	7.05	94.1	7.29	0.10	221.8	30.5
CEN	13:00		4.9		6.43	85.2	7.02	0.11	243.4	30.1

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	9129100	5-9-20	☑ <2
Metals	☑ W-ICPMS ☑ W-ICP	☑ Ice ☐ HNO_3			☑ <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: Paul Blair **Date:** 6-5-19

LIMS EVENT ID: Paul Blair **WIN Import ID:**

Enter Field Parameters, Verify Station ID In LIMS DMT: (Initials/Date) **QC Station ID, Field Parameters In LIMS DMT:** (Initials/Date)

Scan/Save Field Sheets (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: 153484 **RQ-** 2019-05-27-44 **Project:** 2019 SMP

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	Barometer mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Ben Harden	06/05/19	0759	20.6	757.5	9.0	8.96	99.8		1.04/87	P / F	L / F
ICV	"	"	0800	20.6	757.5	9.0	8.98	100.0			P / F	L / F
CCV	"	"	1531	21.4	755.7	8.8	8.89	100.5			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.	Ben Harden	06/05/19	0802	180621C	07/19	1000	1001	P / F	L / F
ICV	"	"	0803	2506584	07/20	100.0	101.0	P / F	L / F
CCV	"	"	1534	180821A	07/19	10,000	10,238	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.	Ben Harden	06/05/19	0805	180621E	01/20	7.02	19.9	7.02	-41.3	P / F	L / F
Calibr.	"	"	0807	190405B	10/20	4.00	19.7	4.00	140.2	P / F	L / F
Calibr.	"	"	0809	180621F	01/20	10.07	19.1	10.07	-203.3	P / F	L / F
ICV	"	"	0810	"	"	10.08	18.8	10.08	-201.1	P / F	L / F
CCV	"	"	1536	190405B	10/20	4.00	20.7	4.14	132.8	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 10 162.0, slope from 4 to 7 181.5 (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	06/05/19	0750	0.272	0.272	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:

Form effective August 1, 2018

Request Number: RQ-2019-05-27-44

Run 13

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: Blair/Harden

Field Report Prepared By: Paul Blair

Sampling Agency: 8034

Field/WIN ID → G2TLHR0033

Location ↓ Horseshoe Creek 100m upstream from Intercoastal/Lake Wimico

Comp / ☑ Grab	Collection (comp begin or grab) Date 6-5-19 Time 11:35	Eastern / Central	Composite end Date Time	Bottle Group(s) (See pg 2)	A
Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 5.46	☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
Temp (C) 31.8	pH 7.23	Sample Depth 0.3	☐ ft ☑ m	Sp. Conductance (umho/cm) 6050	
Salinity (ppt) 3.3	Comments				

Field/WIN ID → G2TLHR0003

Location ↓ Double Bayou 800m upstream from Lake Wimico

Comp / ☑ Grab	Collection (comp begin or grab) Date 6-5-19 Time 12:10	Eastern / Central	Composite end Date Time	Bottle Group(s)	A
Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 7.53	☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
Temp (C) 31.1	pH 7.52	Sample Depth 0.3	☐ ft ☑ m	Sp. Conductance (umho/cm) 185.1	
Salinity (ppt) 0.09	Comments				

Field/WIN ID → G2TLHR0014

Location ↓ SAUL CREEK @ MOUTH

Comp / ☑ Grab	Collection (comp begin or grab) Date 6-5-19 Time 12:35	Eastern / Central	Composite end Date Time	Bottle Group(s)	A
Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 7.26	☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
Temp (C) 30.5	pH 7.30	Sample Depth 0.3	☐ ft ☑ m	Sp. Conductance (umho/cm) 156.9	
Salinity (ppt)	Comments				

Field/WIN ID → G2TLHR0034

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

Comp / ☑ Grab	Collection (comp begin or grab) Date 6-5-19 Time 12:55	Eastern / Central	Composite end Date Time	Bottle Group(s)	
Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 7.05	☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
Temp (C) 30.5	pH 7.29	Sample Depth 0.3	☐ ft ☑ m	Sp. Conductance (umho/cm) 221.8	
Salinity (ppt) 0.10	Comments				

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Paul Blair	6-5-19	hand delivered		KK	6.5.19 / 15:40

Group	Bottle Type	# of Bottles	Preservative	Enter Number of Bottles Sent to Lab
A	P-1L	3	ICE	3
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS			
A	BP-1L	3	ICE	3
	CHLSUITE-W			
A	P-250ML-WO-THI	3	ICE	3
	ECOLI-18QT			
A	P-500ML	3	ICE And H2SO4 9129100	3
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC			
A	P-125ML	3	FILTER-ICE	3
	W-PO4-F			
B	P-1L	2	ICE	X
	ALKALINITY TURBIDITY W-BR-IC W-F W-TSS			
B	BP-1L	2	ICE	X
	CHLSUITE-W			
B	P-250ML-WO-THI	2	ICE	X
	ENT-24-QT			
B	P-250ML-WO-THI	2	ICE	X
	FCOLI-MF			

Group:	Bottle Type:	# of Bottles:	Preservative:	Enter Number of Bottles Sent to Lab
D	P-1L	1	ICE	1
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS			
D	BP-1L	1	ICE	1
	CHLSUITE-W			
D	P-250ML-WO-THI	1	ICE	1
	ECOLI-18QT			
D	P-500ML	1	HNO3 9099036	1
	W-ICP W-ICPMS			
D	P-500ML	1	ICE And H2SO4 9129100	1
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC			
D	P-125ML	1	FILTER-ICE	1
	W-PO4-F			
E	P-1L	2	ICE	
	ALKALINITY TURBIDITY W-BR-IC W-F W-TSS			
E	P-250ML-WO-THI	2	ICE	
	ENT-24-QT			
E	P-250ML-WO-THI	2	ICE	

Group:	Bottle Type:	# of Bottles:	Preservative:	Enter Number of Bottles Sent to Lab
B	P-500ML	2	HNO3	
	W-ICP W-ICPMS			
B	P-500ML	2	ICE And H2SO4	
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC			
B	P-125ML	2	FILTER-ICE	
	W-PO4-F			
C	P-1L	1	ICE	
	ALKALINITY TURBIDITY W-BR-IC W-F W-TSS			
C	BP-1L	1	ICE	
	CHLSUITE-W			
C	P-250ML-WO-THI	1	ICE	
	ENT-24-QT			
C	P-250ML-WO-THI	1	ICE	
	FCOLI-MF			
C	P-500ML	1	ICE And H2SO4	
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC			
C	P-125ML	1	FILTER-ICE	
	W-PO4-F			
D	P-1L	1	ICE	