FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified? Yes / No

WIN Station Name: Econfina River @ Fulford Bridge Rd **Date:** 10-18-18 (mm/dd/yyyy)

WIN/ Field ID: G1TLHR0093 **WBID:** 3402 **Latitude:** 30.2133 (Decimal Degrees)

County: Jefferson **ORG ID:** 21FLTLHR **Longitude:** 83.7339 (Decimal Degrees)

Receiving Body of Water: Gulf of Mexico **RQ-2018-** 09-10-63

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Chris Green	✓		✓		
Jon Woods		✓		✓	✓

Sampling Equipment

- [x] Sample Container [ ] Van Dorn [ ] Pole
- [ ] Carboy [x] Syringe
- [ ] Dipper [ ] Other

Depth Measured with Secchi

Equipment ID 2

Collection Method

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

Water Level: Dry/ Pooled/ Low / Normal / High / Flooded **Meter ID#** 154177 **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	12:30	1.0	0.3	0.3 CC	4.09	48.0	6.24	0.04	89.7 CC	23.3
CEN				0.2						

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	8101020	4-11-19	[x] <2
Metals	[x] W-ICPMS [x] W-ICP	[x] Ice [x] HNO_3	8197080	7-16-19	[x] <2
Filtered Nutrients	[x] W-PO4-F [ ] 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-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:

Kit: C
Group: E

Field/WIN ID → G1TLHR0093

Location ↓

Econfina River @ Fulford Bridge Rd

Signature: [signature] **Date:** 10-18-18

Enter Field Parameters, Verify Station ID In LIMS DMT: CC 10-30-18 (Initials/Date) QC Station ID, Field Parameters In LIMS DMT: ____ (Initials/Date)

Scan/Save Field Sheets CC 10-30-18 (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.	Jon Woods	10/18/18	806	20.2	762.6	9.12	9.06	100.4	—	0.995	(P) / F	(L) F
ICV	"	"	825	22.5	762.9	8.72	8.66	100.2	—	-	(P) / F	(L) F
CCV	Chris Green	"	14:35	26.2	762.0	8.08	8.12	100.7	—	—	(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.	Jon Woods	10/18/18	810	1806216	7/2019	1000	1000	(P) / F	(L) F
ICV	"	"	823	1805F81	5/2020	100	99.4	(P) / F	(L) F
CCV	Chris Green	"	14:33	1802Z1A	3/2019	500	499	(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.	Jon Woods	10/18/18	812	1806216	1/2020	7.02	19.6	7.02	-26.1	(P) / F	(L) / F
Calibr.	"	"	814	1805108	5/2019	4.00	21.6	4.00	147.5	(P) / F	(L) F
Calibr.	"	"	816	1804103D	10/2019	10.03	22.1	10.03	-167.6	(P) / F	(L) F
ICV	"	"	821	"	"	10.0	21.4	10.00	-167.5	(P) / F	(L) F
CCV	Chris Green	"	14:30	1805101B	5/2019	4.00	21.8	4.02	—	(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 10 161.5, slope from 4 to 7 173.6 (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: 2; 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	Jon Woods	10/18/18	823	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:

Request Number: RQ-2018-09-10-63

G1 Run 2

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: Chris Green / Jon Woods

Field Report Prepared By: C. Green

Sampling Agency: 8034

Location

Field ID — Field/WIN ID → G1TLHR0070

WIN/STORI — Location ↓ Econfina River 100m upstream of US98

Latitude ☐dms Longitude ☐dd ☐dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 10-18-18 Time 11:10 Eastern/Central | Composite end Date — Time — | Bottle Group(s) (See pg 2): E

Matrix (type, e.g., Salt, Fresh, etc): — | Diss. Oxygen 4.25 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 22.9 | pH 7.20 | Sample Depth 0.25 ☐ ft ☒ m | Sp. Conductance (umho/cm) 301

Salinity (ppt) 0.14 | Comments

Location

Field ID — Field/WIN ID → G1TLHR0092

WIN/STORE — Location ↓ Econfina River @ Cabbage Grove Salt Rd

Latitude ☐dms Longitude ☐dd ☐dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 10-18-18 Time 11:35 Eastern/Central | Composite end Date — Time — | Bottle Group(s): E

Matrix (type, e.g., Salt, Fresh, etc): — | Diss. Oxygen 4.49 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 23.1 | pH 7.11 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 257

Salinity (ppt) 0.12 | Comments

Location

Field ID — Field/WIN ID → G1TLHR0093

WIN/STORE — Location ↓ Econfina River @ Fulford Bridge Rd

Latitude ☐dms Longitude ☐dd ☐dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 10-18-18 Time 12:30 Eastern/Central | Composite end Date — Time — | Bottle Group(s): E

Matrix (type, e.g., Salt, Fresh, etc): — | Diss. Oxygen 4.09 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 23.3 | pH 6.24 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 89

Salinity (ppt) 0.04 | Comments

Location

Field ID — Field/WIN ID → G1TLHR0089

WIN/ST — Location ↓ ECONFINA RIVER @ US19/27

Latitude ☐dms Longitude ☐dd ☐dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 10-18-18 Time 13:05 Eastern/Central | Composite end Date — Time — | Bottle Group(s): E

Matrix (type, e.g., Salt, Fresh, etc): — | Diss. Oxygen 4.09 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 23.4 | pH 4.44 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 60

Salinity (ppt) 0.03 | Comments

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
C. Green	10-18-18 / 13:50	Hand		ABP	10-18-18 / 13:50

Group: C	Bottle Type: P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab		
	W-TOC					
Group: C	Bottle Type: P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab		
	W-PO4-F					
Group: D	Bottle Type: P-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab		
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS					
Group: D	Bottle Type: BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab		
	CHLSUITE-W					
Group: D	Bottle Type: P-250ML-WO-THI	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab		
	ECOLI-18QT					
Group: D	Bottle Type: P-500ML	# of Bottles: 1	Preservative: HNO3	Enter Number of Bottles Sent to Lab		
	W-ICP W-ICPMS					
Group: D	Bottle Type: P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab		
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC					
Group: D	Bottle Type: P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab		
	W-PO4-F					
Group: E	Bottle Type: P-1L	# of Bottles: 5	Preservative: ICE	Enter Number of Bottles Sent to Lab	4	
	ALKALINITY TURBIDITY W-CL-IC W-COLOR					

Group: E	Bottle Type:	P-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	W-F W-SO4-IC W-TDS W-TSS						
Group: E	Bottle Type:	BP-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	CHLSUITE-W						
Group: E	Bottle Type:	P-500ML	# of Bottles: 5	Preservative:	HNO3 8197080 7-16-19	Enter Number of Bottles Sent to Lab	4
	W-ICP W-ICPMS						
Group: E	Bottle Type:	P-500ML	# of Bottles: 5	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	4
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC				H2SO4 LOT# SA8101020 EXP: 04/11/2019		
Group: E	Bottle Type:	P-125ML	# of Bottles: 5	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	4
	W-PO4-F						
Group: F	Bottle Type:	P-250ML-WO-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
	ENT-24-QT						