FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified? Yes / No

WIN Station Name: Econfina River 100m upstream of US98 **Date:** 9/27/2018 (mm/dd/yyyy)

WIN/ Field ID: G1TLHR0070 **WBID:** 3402 **Latitude:** 30.1429 (Decimal Degrees)

County: Taylor **ORG ID:** 21FLTLHR **Longitude:** -83.8657 (Decimal Degrees)

Receiving Body of Water: Gulf of Mexico **RQ-2018-** 07-09-59

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Jon Woods	X		X		
Jade Buskehett		X		X	X

Sampling Equipment
- [X] Sample Container [ ] Van Dorn [ ] Pole
- [ ] Carboy [X] Syringe
- [ ] Dipper [ ] Other
- Depth Measured with YSI
- Equipment ID 154177

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)	1240	0.7	0.3	0.2	4.00	44.0	7.07	0.12	256	24.6
CEN										

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	B101020	4/11/19	[X] <2
Metals	[X] W-ICPMS [ ] W-ICP	[X] Ice [X] HNO_3	8099110	4/9/19	[ ] <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-CHC / 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 → G1TLHR0070

Location → Econfina River 100m upstream of US98

Signature: J Woods **Date:** 9/27/18

Enter Field Parameters, Verify Station ID In LIMS DMT: JB 9/28/18 (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: 154177 RQ- Project: SMP2018

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 6/18

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	9/27/18	804	26.4	757.6	9.02	9.00	99.7	-	1.00	P / F	L / F
ICV	↓	↓	814	19.3	757.6	9.22	9.14	99.2	-	-	P / F	L / F
CCV	↓	↓	1412	26.9	756.9	7.93	7.99	100.2	-	-	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	9/27/18	806	180403A	04/19	1000	1000	P / F	L / F
ICV	↓	↓	816	2802833	01/20	100	102	P / F	L / F
CCV	↓	↓	1414	2802833	01/20	100	103	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	9/27/18	808	1806216	01/20	7.01	19.8	7.02	-266	P / F	L / F
Calibr.	↓	↓	810	1802216	05/19	4.01	20.1	4.00	179.9	P / F	L / F
Calibr.	↓	↓	812	1805108	09/19	10.05	19.2	10.07	-183.4	P / F	L / F
ICV	↓	↓	818	1805108	09/19	10.05	20.9	10.03	-185.8	P / F	L / F
CCV	↓	↓	1416	1802216	05/19	4.01	21.6	3.97	1996	P / F	L / F
CCV									179.6	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 _____, 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: 7/18
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	9/27/18	820	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-2018-07-09-59

kit C (WBID 3402) Econfina River Run_2 Blank & Dup

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: TLH-ROC

Project ID: SMP

Requester: Chris Green

Collected By: Woods/Burtchett

Field Report Prepared By: Woods

Sampling Agency: 80034

Location 1

Field/WIN ID → G1TLHR0089

Location ↓ ECONFINA RIVER @ US19/27

Field ID

WIN/STOI

Latitude ☐dd ☐dms Longitude ☐dd ☐dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 9/27/18 Time 925 | Eastern / Central | Composite end Date Time | Bottle Group(s) (See pg 2): A

Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen 3.35 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 24.9 | pH 4.04 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 60

Salinity (ppt) 0.03 | Comments

Location 2

Field/WIN ID → G1TLHR0093

Location ↓ Econfina River @ Fulford Bridge Rd

Field ID

WIN/STOR

Latitude ☐dd ☐dms Longitude ☐dd ☐dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 9/27/18 Time 1025 | Eastern / Central | Composite end Date Time | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen 3.76 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 25.0 | pH 5.64 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 62

Salinity (ppt) 0.03 | Comments

Location 3

Field/WIN ID → G1TLHR0092

Location ↓ Econfina River @ Cabbage Grove Salt Rd

Field ID

WIN/STC

Latitude ☐dd ☐dms Longitude ☐dd ☐dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 9/27/18 Time 1220 | Eastern / Central | Composite end Date Time | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen 4.14 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 24.6 | pH 6.95 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 203

Salinity (ppt) 0.10 | Comments

Location 4

Field/WIN ID → G1TLHR0070

Location ↓ Econfina River 100m upstream of US98

Field ID

WIN/STO

Latitude ☐dd ☐dms Longitude ☐dd ☐dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 9/27/18 Time 1240 | Eastern / Central | Composite end Date Time | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen 4.00 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 24.6 | pH 7.07 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 256

Salinity (ppt) 0.12 | Comments

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
JW	9/27/18	HD 1402	2		9/27 1400

Group: A | Bottle Type: P-1L | # of Bottles: 6 | 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: 6 | Preservative: ICE | Enter Number of Bottles Sent to Lab 4

CHLSUITE-W

Group: A | Bottle Type: P-500ML | # of Bottles: 6 | Preservative: HNO3 | Enter Number of Bottles Sent to Lab 4

W-ICP
W-ICPMS

6099110 4/9/19

Group: A | Bottle Type: P-500ML | # of Bottles: 6 | 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: A | Bottle Type: P-125ML | # of Bottles: 6 | Preservative: FILTER-ICE | Enter Number of Bottles Sent to Lab 4

W-PO4-F