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:** 11/27/18 (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-** ~~H-27-5~~ 11-26-57

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
M.A. Eckis	X		X		
Chris Green		X		X	X

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

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

Water Level: Dry/ Pooled/ Low / Normal / (High) / Flooded **Meter ID#** EXO **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)	15:00	0.9	0.3	0.4	6.34	64.5	7.20	0.10	202.5	16.150
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			[X] <2
Metals	[X] W-ICPMS [ ] W-ICP	[ ] Ice [X] HNO_3			[X] <2
Filtered Nutrients	[X] W-PO4-F [X] Field Filtered 0.45 µm Filter	[ ] Ice			
Chlorophyll	[X] CHLSUITE-W	[ ] Ice			
Physical/Aggregate (Fresh)	[X] 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			

HNO3 LOT# NA8197080 EXP: 07/16/2019

H2SO4 LOT# SA8274050 EXP: 10/01/2019

(s) Here

Notes:

Kit: C
Group: E

Field/WIN ID → G1TLHR0070

Location → Econfina River 100m upstream of US98

Signature: **Date:**

Enter Field Parameters, Verify Station ID In LIMS DMT: 1-15-19 (Initials/Date) QC Station ID, Field Parameters In LIMS DMT: (Initials/Date)

Scan/Save Field Sheets 1-15-19 (Initials/Date) Migrate Data to WIN: (Initials/Date) Verify Data In WIN: (Initials/Date)

Request Number: RQ-2018-11-26-57

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: Eckles/ Green

Field Report Prepared By: Eckles

Sampling Agency: 8034

Field/WIN ID → G1TLHR0007

Location ↓ MIDDLE WARRIOR CREEK

Field/WIN ID → G1TLHR0092

Location ↓ Econfina River @ Cabbage Grove Salt Rd

Field/WIN ID → G1TLHR0070

Location ↓ Econfina River 100m upstream of US98

Location

Field ID

WIN/STORET #

Latitude ☐ dd ☐ dms **Longitude** ☐ dd ☐ dms

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 11/27/18 Time 10:20 Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)	Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 23.1% 2.43 ☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	Temp (C) 12.88	pH 6.79	Sample Depth 0.2 ☐ ft ☒ m	Sp. Conductance (umho/cm) 157.7	☐ dd ☐ dms Salinity (ppt) 0.07	Comments Add MI-FW-QLDC (SCI) 10:45
☐ Comp ☒ Grab	Collection (comp begin or grab) Date 11/27/18 Time 14:30 Eastern Central	Composite end Date Time	Bottle Group(s)	Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 67.1% 6.72 ☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	Temp (C) 15.348	pH 7.06	Sample Depth 0.3 ☐ ft ☒ m	Sp. Conductance (umho/cm) 164.8	☐ dd ☐ dms Salinity (ppt) 0.08	Comments
☐ Comp ☒ Grab	Collection (comp begin or grab) Date 11/27/18 Time 15:00 Eastern Central	Composite end Date Time	Bottle Group(s)	Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 64.5% 6.34 mg/L ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	Temp (C) 16.150	pH 7.20	Sample Depth 0.3 ☐ ft ☒ m	Sp. Conductance (umho/cm) 202.5	☐ dd ☐ dms Salinity (ppt) 0.10	Comments
☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time Eastern Central	Composite end Date Time	Bottle Group(s)	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)	☐ dd ☐ dms Salinity (ppt)	Comments

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Eckles/ Green	11/27/18 16:00	HD	1		11/27/18 1604

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: 15737 EXO RQ- Project: 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 _____

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.	M.A. Eckles	11/27/18	8:30	20.4	758.9	9.02	9.01	99.8	—	1.053	P / F	P / F
ICV	M.A. Eckles	11/27/18	8:35	20.5	759.1	9.02	9.02	99.7	—	—	P / F	P / F
CCV	Chris Green	11/27/18	16:15	21.1	757.4	8.90	8.86	99.6	—	—	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.	M.A. Eckles	11/27/18	8:40	180621C	7/19	1000	1000	P / F	P / F
ICV	M.A. Eckles	11/27/18	8:45	180SF81	5/20	100	101	P / F	P / F
CCV	Chi Green	11/27/18	16:20	180621C	7/19	1000	996	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.	M.A. Eckles	11/27/18	8:50	180621E	1/20	7.03	17.0	7.03	-51.9	P / F	P / F
Calibr.	M.A. Eckles	11/27/18	8:55	180621D	7/19	4.0	17.8	4.0	118.8	P / F	P / F
Calibr.	M.A. Eckles	11/27/18	9:00	180403D	10/19	10.10	17.0	10.10	-215.7	P / F	P / F
ICV	M.A. Eckles	11/27/18	9:05	180403D	10/19	10.10	16.9	10.07	-215.4	P / F	L / F
CCV	Chris Green	11/27/18	16:22	180621D	7/19	4.00	17.7	4.14	—	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 _____, 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 ± 5 % or ± 0.05m, whichever is greater.

COMMENTS: