FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified? Yes / No

WIN Station Name: Econfina River @ Power Line Rd **Date:** 2-13-2018 (mm/dd/yyyy)

WIN/ Field ID: G1TLHR0090 **WBID:** 3402 **Latitude:** 30.132434 (Decimal Degrees)

County: Taylor **ORG ID:** 21FLTLHR **Longitude:** 83.875369 (Decimal Degrees)

Receiving Body of Water: Gulf of Mexico **RQ-2018-** 02-12-48

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Chris Green	✓		✓		
Mike Eckles		✓	✓	✓	✓

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

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

Water Level: Dry/ Pooled/ Low / Normal / High / Flooded **Meter ID#** 12YSI600XLM **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	13:20	0.3	0.15	0.35	7.07	75.5	7.26	0.15	312	18.60
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	SA7163030	6-12-18	[x] <2
Metals	[x] W-ICPMS [ ] W-ICP	[ ] Ice [x] HNO_3	NA7261120	9-18-18	[x] <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-F / W-TSS / TURBIDITY	[ ] Ice			
Macroinvertebrates	[ ] MI-FW-QLDC	[ ] Formalin			
Periphyton	[ ] ALGAE-ID	[ ] Ice			
Microbiology	[x] 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

Field/WIN ID G1TLHR0090

Location ECONFINARIVER@POWERLINERD

Signature: CL S **Date:** 2-13-2017

Enter Field Parameters, Verify Station ID In LIMS DMT: CC 2-19-18 (Initials/Date) QC Station ID, Field Parameters In LIMS DMT: ME 2/19/18 (Initials/Date)

Scan/Save Field Sheets CC 4-4-18 (Initials/Date) Migrate Data to WIN: CC 4-4-18 (Initials/Date) Verify Data In WIN: (Initials/Date)

Request Number: RQ-2018-02-12-48

kit C (WBID 3402) Econfina River

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: Chris Green / Mike Eckles

Field Report Prepared By: C. Green

Sampling Agency: 21FLTLHR / 8034

Location: Econfina River @ Cabbage Grove SaltRd

Field ID:

WIN/STORET #: G1TLHR0092

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

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 2-13-18 Time 12:20 Eastern Central | Composite end Date — Time — | Bottle Group(s) (See pg 2): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 6.44 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 18.24 | pH 7.13 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 277

Salinity (ppt) 0.13 | Comments

Location:

Field ID:

WIN/ST:

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

Field/WIN ID G1TLHR0090

Location ECONFINARIVER@POWERLINERD

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 2-13-18 Time 13:20 Eastern Central | Composite end Date — Time — | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 7.07 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 18.60 | pH 7.26 | Sample Depth 0.15 ☐ ft ☒ m | Sp. Conductance (umho/cm)

Salinity (ppt) 0.15 | Comments

Location:

Field ID:

WIN/STORET #:

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

☐ 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)

Salinity (ppt) | Comments

Location:

Field ID:

WIN/STORET #:

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

☐ 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)

Salinity (ppt) | Comments

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
C. Green	2-13-18	Hand			2/13/18 1555

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there is qualified data on this page.

Meter ID: YSI 600 XL #12 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.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site _____

Temperature (Quarterly) FT 1400 Date of Last Temperature Verification 1/17

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	M. A. Eckles	2/13/18	8:40	19.7	9.147	9.26	101.2	52.3	0.747	(P) F	(L) / F
ICV	Michael Eckles	2/13/18	8:45	19.7	9.147	9.19	100.4	52.7	—	(P) F	(L) / F
CCV	Chris Green	11	16:00	20.35	9.03	9.04	100.1	—	—	(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; 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.	Michael Eckles	2/13/18	8:58	1801168	4/19	1000	1000	(P) F	(L) / F
ICV	Michael Eckles	2/13/18	8:57	2710781	9/19	100	96	(P) F	(L) / F
CCV	Chris Green	11	16:05	~~1706304~~	~~7/18~~	~~100,000~~	—	P / F	L / F
CCV				1706302	7/18	50,000	48,719	(P) F	(L) F

Conductivity Acceptance criteria ± 5%

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Michael Eckles	2/13/18	8:55	1711418	4/19	7.0	7.0	-29.1	(P) F	(L) F
Calibr.	Michael Eckles	2/13/18	~~8:59~~ 9:00	1801160	4/19	4.0	4.0	173.1	(P) F	(L) / F
Calibr.	Michael Eckles	2/13/18	9:05	1711218	6/19	10.0	10.0	-199.7	(P) F	(L) / F
ICV	Michael Eckles	2/13/18	9:08	1711218	6/19	10.0	10.0	-198.9	(P) F	(L) / F
CCV	Chris Green	11	16:10	1801160	1/19	4.0	4.0	—	(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 ~~172.2~~ 169.7, slope from 4 to 7 172.2 (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth 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: