



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

Data Qualified?

Yes / No

January 2018

WIN Station Name: Econfina River @ Cabbage Grove Salt Rd

Date: 11/27/18
(mm/dd/yyyy)

WIN/ Field ID: G1TLHR0092

WBID: 3402

Latitude: 30.1711

(Decimal Degrees)

County: Jefferson

ORG ID: 21FLTLHR

Longitude: 83.8235

(Decimal Degrees)

Receiving Body of Water: Gulf of Mexico

RQ-2018-

H-26-57

H-27-57

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Michael Eckles					X	X			
Chris Green						X	X	X	

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# EXO

Matrix: Fresh Marine / DIPhotos: Yes / No Flow: No Flow / Intertidal / Flowing / NATide: 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	14:30	2.5	0.3	0.4	6.72	67.1	7.06	0.08	164.8	15.348
CEN	14:35		2.0		6.70	67.0	7.04	0.08	165.9	15.377

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 ☒ H2SO4			☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO3	4197080	07/16/19	☒ <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-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: 07/16/2019H2SO4
LOT# SA8274050
EXP: 10/01/2019

Here

Notes:

Kit: C
Group: E

Field/WIN ID →



G1TLHR0092

Location ↓

Econfina River @ Cabbage Grove Salt Rd

Signature:

Date:

Enter Field Parameters, Verify Station ID in LIMS DMT: 06 1-15-19

QC Station ID, Field Parameters in LIMS DMT:

Scan/Save Field Sheets 06 1-15-19

Migrate Data to WIN:

Verify Data in WIN:

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: TLH-ROC

Project ID: SMP

Requester: Michael Eckles

Collected By: Eckles/Green

Field Report Prepared By: Eckles

Sampling Agency: 8034

Field/WIN ID →	Collection (comp begin or grab)		Comp	Grab	Date	Time	Composite end	Bottle Group(s)
Location ↓	Matrix (type, e.g., Salt, Fresh, etc)		☒		11/27/18	10:20		
	Temp (C)							
	Salinity (ppt)							
	pH							
	Sample Depth							
	Diss. Oxygen							
	Total Res. Chlorine							
	Sp. Conductance (umho/cm)							
	Comments							
Field/WIN ID →	Collection (comp begin or grab)		Comp	Grab	Date	Time	Composite end	Bottle Group(s)
Location ↓	Matrix (type, e.g., Salt, Fresh, etc)		☒		11/27/18	14:30		
	Temp (C)							
	Salinity (ppt)							
	pH							
	Sample Depth							
	Diss. Oxygen							
	Total Res. Chlorine							
	Sp. Conductance (umho/cm)							
	Comments							
Field/WIN ID →	Collection (comp begin or grab)		Comp	Grab	Date	Time	Composite end	Bottle Group(s)
Location ↓	Matrix (type, e.g., Salt, Fresh, etc)		☒		11/27/18	15:00		
	Temp (C)							
	Salinity (ppt)							
	pH							
	Sample Depth							
	Diss. Oxygen							
	Total Res. Chlorine							
	Sp. Conductance (umho/cm)							
	Comments							
Field/WIN ID →	Collection (comp begin or grab)		Comp	Grab	Date	Time	Composite end	Bottle Group(s)
Location ↓	Matrix (type, e.g., Salt, Fresh, etc)		☒		11/27/18	20:25		
	Temp (C)							
	Salinity (ppt)							
	pH							
	Sample Depth							
	Diss. Oxygen							
	Total Res. Chlorine							
	Sp. Conductance (umho/cm)							
	Comments							

Relinquished By: <u>Eckles/Green</u>	Date/Time: <u>11/27/18 10:00</u>	Shipping Method: <u>HD</u>	Number of Coolers Shipped: <u>1</u>	Received By: <u>[Signature]</u>	Date/Time: <u>11/27/18 1604</u>
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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: 157737 EVO

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. Eckle	11/27/18	8:30	26.4	758.9	9.02	9.01	99.8	—	1.055	P/F	L/F
ICV	M.A. Eckle	11/27/18	8:35	20.5	759.1	9.02	9.02	99.7	—	—	P/F	L/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 μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	M.A. Eckle	11/27/18	8:40	180621C	7/19	1000	1000	P/F	L/F
ICV	M.A. Eckle	11/27/18	8:45	1805F81	5/20	100	101	P/F	L/F
CCV	Chris Green	11/27/18	16:20	180621C	7/19	1000	996	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

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. Eckle	11/27/18	8:50	180621E	1/20	7.03	17.0	7.03	-51.9	P/F	L/F
Calibr.	M.A. Eckle	11/27/18	8:55	180621D	7/19	4.6	17.8	4.0	118.8	P/F	L/F
Calibr.	M.A. Eckle	11/27/18	9:00	180403D	10/19	10.10	17.0	10.10	-215.7	P/F	L/F
ICV	M.A. Eckle	11/27/18	9:05	180403D	10/19	10.10	16.9	10.07	-75.4	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 $+180 \pm 50$;

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 $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS: