



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: 10-18-18
(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- 09-10-63

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment									
Chris Green Jon Woods					☒	☒	☒	☒	☒	☒ 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 / <u>Normal</u> / High / Flooded					Meter ID# 154177 Pro DSS					Matrix: <u>Fresh</u> / Marine / DI									
Photos: <u>Yes</u> / No					Flow: No Flow / Intestinal / <u>Flowing</u> / NA					Tide: Rising/ Falling/ Slack/ <u>NA</u>					Tide Times: High <u> </u> Low <u> </u>				
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	11:10	0.5	0.25	0.3	4.25	49.4	7.20	0.14	301.3	22.9									
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	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☐ H2SO4	5A8101020	4/1/19	☒ <2
Metals	☒ W-ICPMS ☐ W-ICP	☒ Ice ☐ HNO3	NA 8197080	7/16/19	☒ <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-GPD	☐ 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:

Date:

10-18-18

Enter Field Parameters, Verify Station ID In LIMS DMT: CG 10-30-18

QC Station ID, Field Parameters In LIMS DMT:

Scan/Save Field Sheets

CG 10-30-18
(Initials/Date)

Migrate Data to WIN:

(Initials/Date)

Verify Data In WIN:

(Initials/Date)

(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.	Don Woods	10/18/18	808	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 μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Don Woods	10/18/18	810	180621C	7/2019	1000	1000	P / F	L / F
ICV	"	"	823	1805FB1	5/2020	100	99.4	P / F	L / F
CCV	Chris Green	"	14:33	180221A	3/2019	500	499	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.	Don Woods	10/18/18	812	180621E	1/2020	7.02	19.6	7.02	-26.1	P / F	L / F
Calibr.	"	"	814	180510B	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	-162.6	P / F	L / F
ICV	"	"	821	"	"	10.0	21.4	10.00	-162.5	P / F	L / F
CCV	Chris Green	"	14:30	18051013	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 $+180 \pm 50$; 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	Don 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 $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS:

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: TLH-ROC

Requester: Michael Eckles

Field Report Prepared By: C. Green

Project ID: SMP

Collected By:

Chris Green / Son Woods

Sampling Agency:

8034

Location	Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)
Field ID	↓		Date 10-18-18 Time 11:10		Date		(See pg 2)
WIN/STORE	Location ↓		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 4.25 mg/L % sat		Total Res. Chlorine
Latitude	Econfina River 100m upstream of US98		Temp (C) 22.9 pH 7.20		Sample Depth 0.25 ft m		301
	Salinity (ppt) 0.14		Comments				
Location	Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)
Field ID	↓		Date 10-18-18 Time 11:35		Date		(See pg 2)
WIN/STORE	Location ↓		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 4.49 mg/L % sat		Total Res. Chlorine
Latitude	Econfina River @ Cabbage Grove Salt Rd		Temp (C) 23.1 pH 7.11		Sample Depth 0.3 ft m		257
	Salinity (ppt) 0.12		Comments				
Location	Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)
Field ID	↓		Date 10-18-18 Time 12:30		Date		(See pg 2)
WIN/STORE	Location ↓		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 4.09 mg/L % sat		Total Res. Chlorine
Latitude	Econfina River @ Fulford Bridge Rd		Temp (C) 23.3 pH 6.24		Sample Depth 0.3 ft m		89
	Salinity (ppt) 0.04		Comments				
Location	Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)
Field ID	↓		Date 10-18-18 Time 13:05		Date		(See pg 2)
WIN/STORE	Location ↓		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 4.09 mg/L % sat		Total Res. Chlorine
Latitude	ECONFINA RIVER @ US19/27		Temp (C) 23.4 pH 4.44		Sample Depth 0.3 ft m		60
	Salinity (ppt) 0.03		Comments				

Relinquished By: C. Green	Date/Time: 10-18-18 13:50	Shipping Method: Hand	Number of Coolers Shipped:	Received By: ABF	Date/Time: 10-18-18 13:50
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Group: C	Bottle Type: W-TOC	P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab
Group: C	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab
Group: D	Bottle Type: ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	P-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
Group: D	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
Group: D	Bottle Type: ECOLI-18QT	P-250ML-WO-THI	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
Group: D	Bottle Type: W-ICP W-ICPMS	P-500ML	# of Bottles: 1	Preservative: HNO3	Enter Number of Bottles Sent to Lab
Group: D	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab
Group: D	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab
Group: E	Bottle Type: ALKALINITY TURBIDITY W-CL-IC W-COLOR	P-1L	# of Bottles: 5	Preservative: ICE	Enter Number of Bottles Sent to Lab 4

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	Enter Number of Bottles Sent to Lab	4
	W-ICP					
	W-ICPMS			7-16-19		
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			H2SO4		
	W-S-A-TP			LOT# S98101020		
	W-TKN			EXP: 04/11/2019		
	W-TOC					
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					