



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: 11/07/2018
(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- 11-05-46

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
Ben Harden											☐ Sample Container	☒ Van Dorn	☐ Pole		
Chris Green											☐ Carboy	☐ Syringe			
											☐ Dipper	☐ Other			
											Depth Measured with Pro DS				
											Equipment ID 154123				
											Collection Method				
											☐ Wading	☐ Canoe/Kayak			
											☐ From Shore	☐ Electric Motor			
											☒ Other Bridge	☐ Gasoline Motor			
Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded						Meter ID#				Matrix: Fresh / Marine / DI					
Photos: Yes / No		Flow: No Flow / Intestinal / 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 (PPT)	Sp COND (µmhos/cm)	Temp. (C°)					
EST	1135	1.7	0.3	0.5	5.41	60.4	7.12	0.12	260.6	20.8					
CEN	1138		1.2		5.41	60.4	7.09	0.12	261.0	20.8					
Biological Samples Collected: <u>None</u> 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		SAB101020	04/11/19	☒ <2					
Metals		☒ W-ICPMS ☒ W-ICP				☒ Ice ☒ HNO3		NA 819780	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-BaeR ☐ 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				☐ Ice									
		☐ W-PCL-SQ-R ☐ W-PYR-AA-R ☐ W-GLYPH ☐ W-SUC-AA-R				☐ Other									

Notes:

Kit: C
Group: E

Place Label Here

Signature:

Date: 11/7/2018

Enter Field Parameters, Verify Station ID in LIMS DMT:

QC Station ID, Field Parameters in LIMS DMT:

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data in WIN:

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

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.	Ben Harden	11/7/2018	840	20.9	758.4	8.92	8.92	99.9		0.968	P/F	L/F
ICV	"	"	842	20.9	758.4	8.92	8.92	99.9			P/F	L/F
CCV	"	"	1354	23.9	756.2	8.39	8.41	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.	Ben Harden	11/7/2018	843	180621C	07/19	1000	1000	P/F	L/F
ICV	"	"	844	1805F81	05/20	100	100.9	P/F	L/F
CCV	"	"	1355	180621C	07/19	1000	1004	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.	Ben Harden	11/7/2018	846	180621E	07/20	7.02	21.2	7.02	-24.3	P/F	L/F
Calibr.	"	"	848	180621D	07/19	4.00	21.2	4.00	147.7	P/F	L/F
Calibr.	"	"	850	180403D	10/19	10.05	20.8	10.05	-187.3	P/F	L/F
ICV	"	"	851	"	"	10.05	20.3	10.06	-187.8	P/F	L/F
CCV	"	"	1357	180621D	07/19	4.00	21.1	4.07	145.6	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 10 159.0, slope from 4 to 7 176.0 (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	Ben Harden	11/7/18	853	0.272	0.272	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:

Collected By:

Chris Green

Sampling Agency:

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
	11/07/08 1347	HD	1		11/07/08 1347

Number of Coolers Shipped:

Received By:

Date/Time

718 1348

Group: C	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: 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: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>2</u>
Group: D	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>2</u>
Group: D	Bottle Type: W-ICP W-ICPMS	P-500ML	# of Bottles: 4	Preservative: HNO3	Enter Number of Bottles Sent to Lab <u>2</u> NA 8197080
Group: D	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 4	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab <u>2</u> SA 8101020
Group: D	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 4	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab <u>2</u>
Group: E	Bottle Type: ALKALINITY TURBIDITY	P-1L	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab