



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?
Yes / No

WIN Station Name: **Steinhatchee River @ S Canal Rd**

Date: **2/14/2019**
(mm/dd/yyyy)

WIN/ Field ID: **G1TLHR0064**

WBID: **3573A**

Latitude: **29.830074**

County: **LAFAYETTE**

ORG ID: **21FLTLHR**

Longitude: **-83.30821**
(Decimal Degrees)

Receiving Body of Water: **Gulf of Mexico**

RQ- **2019-02-04-75**

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment									
Son Woods Ben Hasden						☒	☒	☒	☒	☒	☒ Sample Container	☐ Van Dorn	☐ Pole							
											☐ Carboy	☒ Syringe								
											☐ Dipper	☒ Other								
Depth Measured with 153484						Equipment ID					Collection Method									
						☒	☐	☐	☐	☐	☒ Wading	☐ Canoe/Kayak								
											☐ From Shore	☐ Electric Motor								
											☐ Other	☐ Gasoline Motor								
Water Level: Dry/ Pooled/ Low / Normal / High / Flooded						Meter ID# 153484					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 (umhos/cm)	Temp. (C°)										
EST	1125	0.9	0.3	0.4	6.49	78.4	6.47	0.06	135	11.6										
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		6274050		10/1/19		☒ <2								
Metals		☒ W-ICPMS ☒ W-ICP				☒ Ice ☒ HNO3		8197080				☒ <2								
Filtered Nutrients		☒ W-PO4-F ☒ Field Filtered 0.45 um 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-BR-IC / 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-BacR ☐ PCR-GULL2 ☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD				☐ Ice														
Tracers		☐ W-E8321-DI ☐ W-E8321-MS				☐ Ice														
Pesticides		☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-E8321-DI ☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CARB-AA				☐ Ice														
Phytoplankton		☐ DTY-QN-C ☐ PKD-QN-C				☐														

Notes:

Field/WIN ID →



G1TLHR0064

Location ↓

Steinhatchee River @ S Canal Rd

Signature:

[Signature]

Date:

2/14/19

LIMS EVENT ID: **TLH-ROC-2019-02-14-02**

WIN Import ID:

Enter Field Parameters, Verify Station ID in LIMS DMT: **2/15/19**

QC Station ID, Field Parameters in LIMS DMT:

Scan/Save Field Sheets

(Initials/Date)

Migrate Data to WIN:

(Initials/Date)

Verify Data in WIN:

(Initials/Date)

(Initials/Date)

Florida Department of Environmental Protection Central Laboratory Submittal Form

Customer: TLH-ROC

Requester: Michael Eckles

Field Report Prepared By: J. Woods

Project ID: SMP

Collected By: Woods/Hacken

Sampling Agency: 8034

Location	Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)
Field ID	↓		Date 2/14/19	Time 1100	mg/L	Total Res. Chlorine	
WIN/STORE	↓		Matrix (type, e.g., Salt, Fresh, etc)		8.65	% sat	
Latitude	↓		Temp (C) 11.6	pH 6.45	Sample Depth 0.25	Sp. Conductance (umho/cm)	167
	↓		Salinity (ppt) 0.06	Comments			B
Location	Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)
Field ID	↓		Date 2/14/19	Time 1205	mg/L	Total Res. Chlorine	
WIN/STORE	↓		Matrix (type, e.g., Salt, Fresh, etc)		8.49	% sat	
Latitude	↓		Temp (C) 11.6	pH 6.47	Sample Depth 0.3	Sp. Conductance (umho/cm)	135
	↓		Salinity (ppt) 0.06	Comments			C
Location	Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)
Field ID	↓		Date 2/14/19	Time 1205	mg/L	Total Res. Chlorine	
WIN/STORE	↓		Matrix (type, e.g., Salt, Fresh, etc)		3.84	% sat	
Latitude	↓		Temp (C) 14.1	pH 6.19	Sample Depth 0.2	Sp. Conductance (umho/cm)	100
	↓		Salinity (ppt) 0.05	Comments			B
Location	Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)
Field ID	↓		Date 2/14/19	Time 1205	mg/L	Total Res. Chlorine	
WIN/STORE	↓		Matrix (type, e.g., Salt, Fresh, etc)		3.84	% sat	
Latitude	↓		Temp (C) 14.1	pH 6.19	Sample Depth 0.2	Sp. Conductance (umho/cm)	100
	↓		Salinity (ppt) 0.05	Comments			B
Location	Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)
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WIN/STORE	↓		Matrix (type, e.g., Salt, Fresh, etc)		3.84	% sat	
Latitude	↓		Temp (C) 14.1	pH 6.19	Sample Depth 0.2	Sp. Conductance (umho/cm)	100
	↓		Salinity (ppt) 0.05	Comments			B

Relinquished By: JW	Date/Time 2/14/19	Shipping Method HD	Number of Coolers Shipped: 1	Received By: [Signature]	Date/Time 2/14/19
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Group: A	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ALKALINITY					
	TURBIDITY					
	W-BR-IC					
	W-F					
	W-TSS					
Group: A	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	CHLSUITE-W					
Group: A	Bottle Type:	P-250ML-WO-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ENT-24-QT					
Group: A	Bottle Type:	P-250ML-WO-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	FCOLL-MF					
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	HNO3	Enter Number of Bottles Sent to Lab
	W-ICP					
	W-ICPMS					
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NH3					
	W-NO2NO3					
	W-S-A-TP					
	W-TKN					
	W-TOC					
Group: A	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab
	W-PO4-F					
Group: B	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ALKALINITY					
	TURBIDITY					
	W-CL-IC					
	W-COLOR					
	W-F					
	W-SO4-IC					
	W-TDS					
	W-TSS					
Group: B	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab

Group: B	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: ECOLI-18QT	P-250ML-WO-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 2	Preservative: ICE And H2SO4	ICE	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 2	Preservative: FILTER-ICE	ICE	Enter Number of Bottles Sent to Lab	2
Group: C	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	1
Group: C	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: ECOLI-18QT	P-250ML-WO-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: W-ICP W-ICPMS	P-500ML	# of Bottles: 1	Preservative: HNO3	HNO3	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN	P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	ICE	Enter Number of Bottles Sent to Lab	1

Group: C	Bottle Type: W-TOC	P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4 \$274050	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: ECOL-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	

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: 153484

RQ- 2019-02-04-75

Project: SMP1900

- 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 01/19

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	02/14/19	0753	20.6	761.1	9.00	9.00	100.1		1.03462	P/F	D/F
ICV	"	"	0805	19.6	761.1	9.18	9.17	100.1			P/F	D/F
CCV	"	"	1504	18.7	758.4	9.33	9.41	100.9			P/F	D/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	02/14/19	0755	180621C	07/19	1000	1001	P/F	D/F
ICV	"	"	0756	1805F81	05/20	100	100.8	P/F	D/F
CCV	"	"	1505	180621C	07/19	1000	996	P/F	D/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	02/14/19	0759	180403C	10/19	7.03	18.9	7.02	-32.2	P/F	D/F
Calibr.	"	"	0801	180621D	07/19	4.00	18.1	4.00	144.9	P/F	D/F
Calibr.	"	"	0802	180621F	01/20	10.09	17.8	10.09	-192.7	P/F	D/F
ICV	"	"	0804	"	"	10.08	18.1	10.07	-192.1	P/F	D/F
CCV	"	"		180621D	07/19	4.00	19.2	4.14	140.4	P/F	D/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 10 160.5, slope from 4 to 7 177.1 (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: 01/19

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	02/14/19	0751	0.272	0.272	P/F	D/F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS:

