FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified? Yes / No

WIN Station Name: Apalachicola River .8 miles upstream Owl Creek **Date:** 04/09/2019 (mm/dd/yyyy)

WIN/ Field ID: G2TLHR0042 **WBID:** 375D **Latitude:** 29.9822 (Decimal Degrees)

County: Liberty/Gulf **ORG ID:** 21FLTLHR **Longitude:** 85.0272 (Decimal Degrees)

Receiving Body of Water: Inter-coastal/Gulf of Mexico **RQ-** 2018-12-31-31

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Ben Hayden	✓	✓	✓		
Chris Green		✓	✓	✓	

Sampling Equipment
- ☑ Sample Container ☐ Van Dorn ☐ Pole
- ☐ Carboy ☐ Syringe
- ☐ Dipper ☑ Other
- Depth Measured with Pro DSIT
- 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 / 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. (C⁰)
(EST)	1200	12.7	0.3	0.9	7.85	87.5	7.18	0.06	123.6	20.6
CEN	1203		5.5		7.81	86.9	7.07	0.06	123.7	20.6

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 ☑ H_2SO_4	SA82744050	06/01/19	☑ <2
Metals	☑ W-ICPMS ☑ W-ICP	☑ Ice ☑ HNO_3	NA83144050	12/01/19	☑ <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-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	☐ Ice			

Place Preservative Sticker(s) Here (If Available)

Notes: Could not grab a bottom Reading BH ~~sample~~ 0.5 meters above bottom due to the cardbeing too Short

Field/WIN ID → G2TLHR0042

Location → Apalachicola River 0.8 miles upstream Owl Creek

Signature: Date: 04/09/19

LIMS EVENT ID: **WIN Import ID:**

Enter Field Parameters, Verify Station ID In LIMS DMT: (Initials/Date) **QC Station ID, Field Parameters In LIMS DMT:** (Initials/Date)

Scan/Save Field Sheets (Initials/Date) **Migrate Data to WIN:** (Initials/Date) **Verify Data In WIN:** (Initials/Date)

Request Number: RQ-2018-12-31-31

Run 4

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: TLH-ROC

Project ID: SMP

Requester: Michael Eckles

Field Report Prepared By: Harden/Green

Collected By: HardenGreen

Sampling Agency: 8034

Field/WIN ID → G2TLHR0013

Location ↓ BROTHERS RIVER @ MOUTH

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 04/09/19 Time 1050 | Eastern Central | Composite end Date Time | Bottle Group(s) (See pg 2): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 6.37 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 20.9 | pH 6.89 | Sample Depth 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm) 122.8

Salinity (ppt) 0.06 | Comments

Field/WIN ID → G2TLHR0042

Location ↓ Apalachicola River 0.8 miles upstream Owl Creek

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 04/09/19 Time 1200 | Eastern Central | Composite end Date Time | Bottle Group(s): B

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 7.85 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 20.6 | pH 7.18 | Sample Depth 0.3 ☑ ft ☐ m | Sp. Conductance (umho/cm) 123.6

Salinity (ppt) 0.06 | 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
Harden	04/09/19	Hand Delivered	1		4/9/19 0700

Group: B	Bottle Type:	P-250ML-WO-THI	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1	
	ECOLI-18QT							
Group: B	Bottle Type:	P-500ML	# of Bottles: 6	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	1	
	W-ICP							
	W-ICPMS				NA 8344050			
Group: B	Bottle Type:	P-500ML	# of Bottles: 6	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	1	
	W-NH3							
	W-NO2NO3							
	W-S-A-TP				SA8274050			
	W-TKN							
	W-TOC							
Group: B	Bottle Type:	P-125ML	# of Bottles: 6	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	1	
	W-PO4-F							

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- 2019-01-21-14 2018-12-31-31 Project: SMP 2019

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 04/19

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	04/09/19	0749	21.1	752.1	8.8	8.82	99.1		1.0	P / F	P / F
ICV	"	"	0802	20.7	752.2	8.9	8.91	99.3			P / F	P / F
CCV	"	"	1509	26.0	749.2	8.0	4.78	100.7			P / F	P / 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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	Ben Harden	04/09/19	0751	180621C	07/19	1000	1000	P / F	P / F
ICV	"	"	0752	1805F81	05/20	100	101.4	P / F	L / F
CCV	"	"	1510	180621C	07/19	1000	995	P / F	P / F
CCV								P / F	L / F

Conductivity Acceptance criteria ± 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	04/09/19	0754	180403C	10/19	7.03	19.2	7.02	3.0	P / F	P / F
Calibr.	"	"	0757	180621D	07/19	4.00	18.7	4.00	143.3	P / F	P / F
Calibr.	"	"	0759	180621F	01/20	10.08	18.6	10.08	-196.7	P / F	P / F
ICV	"	"	0801	"	"	10.08	18.8	10.08	-197.3	P / F	P / F
CCV	"	"	1511	180621D	07/19	4.00	20.8	4.11	140.0	P / F	P / 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 10 152.7, slope from 4 to 7 181.3 (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: 04/19
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	04/09/19	0748	0.272	0.272	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: