



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Brothers River @ Mouth

Date: 04/09/2019
(mm/dd/yyyy)

WIN/ Field ID: G2TLHR0013

WBID: 3751

Latitude: 29.7663

County: Gulf

ORG ID: 21FTLHR

Longitude: 85.0778

Receiving Body of Water: Apalachicola River

RQ: 2018-12-31-31
(Decimal Degrees)

Sampling Team Members

Ben Harden
Chris Green

WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
☒	☒	☒	☒	☒

Sampling Equipment

☒ Sample Container ☐ Van Dorn ☐ Pole
☐ Carboy ☐ Syringe
☐ Dipper ☐ Other
Depth Measured with Pro DSS
Equipment ID 153484

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 / Intertidal / 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	1050	3.4	0.3	1.0	6.37	71.4	6.89	0.06	122.8	20.9
CEN	1053		2.9		6.29	70.4	6.86	0.06	122.8	20.9

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	<u>SA8274050</u>	<u>10/01/19</u>	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO3	<u>NA8349050</u>	<u>12/10/19</u>	☒ <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				

Notes:

Field/WIN ID →

Location ↓



G2TLHR0013



BROTHERS RIVER @ MOUTH

Signature: [Signature]

Date: 04/09/19

LIMS EVENT ID:

WIN Import ID:

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:

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: TLH-ROC
Project ID: SMP

Requester: Michael Eckles

Field Report Prepared By:

Collected By:

Sampling Agency:

Harden Green

Field/WIN ID →		Collection (comp begin or grab)		Eastern Composite end		Bottle Group(s)
Location ↓		Matrix (type, e.g., Salt, Fresh, etc)	Date	Time	Central Date	(See pg 2)
G2TLHR0013		Fresh	04/09/19	1050		
Temp (C)		pH	Diss. Oxygen	Sample Depth	Sp. Conductance (umho/cm)	
70.9		6.89	6.37	0.3	122.8	A
Salinity (ppt)		Comments				
0.06						
Latitude		Longitude				
dd dms		dd dms				
Field/WIN ID →		Collection (comp begin or grab)		Eastern Composite end		Bottle Group(s)
Location ↓		Matrix (type, e.g., Salt, Fresh, etc)	Date	Time	Central Date	
G2TLHR0042		Fresh	04/09/19	1200		
Temp (C)		pH	Diss. Oxygen	Sample Depth	Sp. Conductance (umho/cm)	
70.6		7.18	7.85	0.3	123.6	B
Salinity (ppt)		Comments				
0.06						
Latitude		Longitude				
dd dms		dd dms				
Field ID		Collection (comp begin or grab)		Eastern Composite end		Bottle Group(s)
		Matrix (type, e.g., Salt, Fresh, etc)	Date	Time	Central Date	
WIN/STORET #		Temp (C)	pH	Diss. Oxygen	Sp. Conductance (umho/cm)	
Latitude		Longitude				
dd dms		dd dms				
Location		Collection (comp begin or grab)		Eastern Composite end		Bottle Group(s)
		Matrix (type, e.g., Salt, Fresh, etc)	Date	Time	Central Date	
Field ID		Temp (C)	pH	Diss. Oxygen	Sp. Conductance (umho/cm)	
WIN/STORET #		Temp (C)	pH	Diss. Oxygen	Sp. Conductance (umho/cm)	
Latitude		Longitude				
dd dms		dd dms				
Location		Collection (comp begin or grab)		Eastern Composite end		Bottle Group(s)
		Matrix (type, e.g., Salt, Fresh, etc)	Date	Time	Central Date	
Field ID		Temp (C)	pH	Diss. Oxygen	Sp. Conductance (umho/cm)	
WIN/STORET #		Temp (C)	pH	Diss. Oxygen	Sp. Conductance (umho/cm)	
Latitude		Longitude				
dd dms		dd dms				

Relinquished By:

Date/Time

Shipping Method

Number of Coolers Shipped:

Received By:

Date/Time

Harden

04/09/19

Hand Delivered

1

Harden

04/09/19

Group: B Bottle Type: P-250ML-WO-THI # of Bottles: 6 Preservative: ICE Enter Number of Bottles Sent to Lab 1

ECOLL-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

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

SA 7274050

Group: B Bottle Type: P-125ML # of Bottles: 6 Preservative: FILTER-ICE Enter Number of Bottles Sent to Lab 1

W-PO4F

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-

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		1.01870	P / F	O / F
ICV	"	"	0802	20.7	752.2	8.9	8.91	99.3			P / F	O / F
CCV	"	"	1509	26.0	749.2	8.0	8.18	100.7			P / F	O / 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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Ben Harden	04/09/19	0751	180621C	07/19	1000	1000	P / F	O / F
ICV	"	"	0752	1805F81	05/20	100	101.4	P / F	O / F
CCV	"	"	1510	180621C	07/19	1000	995	P / F	O / 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	04/09/19	0754	180403C	10/19	7.03	19.2	7.02	380	P / F	O / F
Calibr.	"	"	0757	180621D	07/19	4.00	18.7	4.00	143.3	P / F	O / F
Calibr.	"	"	0759	180621F	01/20	10.08	16.6	10.08	-196.7	P / F	O / F
ICV	"	"	0801	"	"	10.08	18.8	10.08	-197.3	P / F	O / F
CCV	"	"	1511	180621D	07/19	4.00	20.8	4.11	140.0	P / F	O / 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 10 152.7, 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	O / F

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

COMMENTS: