FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified? Yes / No

WIN Station Name: Brothers River **Date:** 8-22-18 (mm/dd/yyyy)

WIN/ Field ID: G2TLHR0013 **WBID:** 3751 **Latitude:** 29.7663969 (Decimal Degrees)

County: Gulf **ORG ID:** 21FLTLHR **Longitude:** 85.0778919 (Decimal Degrees)

Receiving Body of Water: Apalachicola River **RQ-2018-** 08-20-61

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Chris Green	✓		✓		
Paul Blair		✓		✓	✓

Sampling Equipment
- [x] Sample Container [ ] Van Dorn [ ] Pole
- [ ] Carboy [x] Syringe
- [ ] Dipper [ ] Other
- Depth Measured with
- Equipment ID

Collection Method
- [ ] Wading [ ] Canoe/Kayak
- [ ] From Shore [ ] Electric Motor
- [ ] Other [x] Gasoline Motor

Water Level: Dry/ Pooled/ Low / Normal / (High) / Flooded **Meter ID#** YSI 600 XLM #12 **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)	13:05	4.1	0.3	0.9	5.23	64.7	6.96	0.06	123	26.23
CEN	13:10		3.6		5.27	64.7	6.95	0.06	123	25.77

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	[x] W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	[x] Ice [x] H_2SO_4	SA8085170	3/26/19	[x] <2
Metals	[ ] W-ICPMS [ ] W-ICP	[ ] Ice [ ] HNO_3			[ ] <2
Filtered Nutrients	[x] W-PO4-F [x] Field Filtered 0.45 µm Filter	[x] Ice			
Chlorophyll	[x] CHLSUITE-W	[x] Ice			
Physical/Aggregate (Fresh)	[x] Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-SO4-IC / W-TDS	[x] Ice			
Physical/Aggregate (Marine)	[ ] Alkalinity / W-F / W-TSS / TURBIDITY	[ ] Ice			
Macroinvertebrates	[ ] MI-FW-QLDC	[ ] Formalin			
Periphyton	[ ] ALGAE-ID	[ ] Ice			
Microbiology	[x] E Coli [ ] F Coli [ ] Enterococci	[x] Ice			
Molecular	[ ] PCR-FILTER [ ] PCR-HF183 [ ] PCR-BacR [ ] 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 [ ] W-PCL-SQ-R [ ] W-PYR-AA-R [ ] W-GLYPH [ ] W-SUC-AA-R	[ ] Ice [ ] Other			

Place Preservative Sticker(s) Here (If Available)

Notes:

A-b

Field/WIN ID → G2TLHR0013

Location → BROTHERS RIVER @ MOUTH

Signature: Chris **Date:** 8-23-18

Enter Field Parameters, Verify Station ID In LIMS DMT: CG 8-23-18 (Initials/Date) QC Station ID, Field Parameters In LIMS DMT: (Initials/Date)

Scan/Save Field Sheets CG 8-23-18 (Initials/Date) Migrate Data to WIN: (Initials/Date) Verify Data In WIN: (Initials/Date)

Request Number: RQ-2018-08-20-61

Run 8

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: TLH-ROC

Project ID: SMP

Requester: Michael Eckles

Collected By: Chris Green / Paul Blair

Field Report Prepared By: C. Green

Sampling Agency: 8034

Field/WIN ID → G2TLHR0033

Location ↓ Horseshoe Creek 100m upstream from Intercoastal/Lake Wimico

Latitude ☐dd ☐dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 8-22-18 Time 11:45 Eastern / Central | Composite end Date Time | Bottle Group(s) (See pg 2): A

Matrix (type, e.g., Salt, Fresh, etc)

Diss. Oxygen 5.10 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 27.86 | pH 6.80 6.82 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 143

Salinity (ppt) 0.07 | Comments

Field/WIN ID → G2TLHR0003

Location ↓ Double Bayou 800m upstream from Lake Wimico

Latitude ☐dd ☐dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 8-22-18 Time 12:20 Eastern / Central | Composite end Date Time | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc)

Diss. Oxygen 7.12 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 27.58 | pH 7.09 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm)

Salinity (ppt) 0.06 | Comments

Field/WIN ID → G2TLHR0014

Location ↓ SAUL CREEK @ MOUTH

Latitude ☐dd ☐dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 8-22-18 Time 12:40 Eastern / Central | Composite end Date Time | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc)

Diss. Oxygen 5.27 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 26.28 | pH 6.89 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 120

Salinity (ppt) 0.06 | Comments

Field/WIN ID → G2TLHR0013

Location ↓ BROTHERS RIVER @ MOUTH

Latitude ☐dd ☐dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 8-22-18 Time 13:05 Eastern / Central | Composite end Date Time | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc)

Diss. Oxygen 5.23 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 26.23 | pH 6.96 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm)

Salinity (ppt) 0.06 | Comments

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
C. Green	8-22-18 / 15:45	Hand		Tyler L.	08/24/18 @ 7:10

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: YSI 600 XLM #12 RQ- 2018-08-20-61 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 8/20/18

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.	Chris Green	8-22-18	8:00	18.78	758.0	9.31	9.29	99.7	58.4	0.91	P / F	L / F
ICV	↓	↓	8:20	20.11	—	9.04	8.90	98.0	—	—	P / F	L / F
CCV	↓	↓	15:58	24.63	—	8.32	8.30	99.7	—	—	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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	Chris Green	8-22-18	8:10	180403A	4/19	1000	1000	P / F	L / F
ICV	↓	↓	8:19	2802933	01/20	100	100	P / F	L / F
CCV	↓	↓	15:55	170630B	7/18	500	501	P / F	L / 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.	Chris Green	8-22-18	8:12	180621E	1/20	7.00	19.54	7.00	-25.9	P / F	L / F
Calibr.	↓	↓	8:14	180510B	5/19	4.00	19.51	4.00	146.1	P / F	L / F
Calibr.	↓	↓	8:16	180221E	9/19	10.00	19.49	9.99	197.0	P / F	L / F
ICV	↓	↓	8:18	11	11	11	19.48	10.00	—	P / F	L / F
CCV	↓	↓	15:53	180510B	5/19	4.00	19.55	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 ± 50; mV pH 10 Range -180 ± 50;
If mV are recorded: slope from 7 to 10 171.1, slope from 4 to 7 172.0 (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: 7/18
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						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:

Form effective August 1, 2018