FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

March 2017

PAGE 1 OF ____

Data Qualified? Yes / No

STORET Station Name: Brothers River **Date:** 04/17/2018 (mm/dd/yyyy)

STORET Station ID: G2TLHR0013 **WBID:** 3751 **Latitude:** _____ (Decimal Degrees)

County: Gulf **RQ-**2018-04-09-52 **ORG ID:** 21FETLHR **Longitude:** _____ (Decimal Degrees)

Receiving Body of Water: Apalachicola **Field ID:** _____

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
J Burtchett	✓		✓		
J. Woods		✓		✓	✓

Sampling Equipment

- ☑ Sample Container ☐ Van Dorn ☐ Pole
- ☐ Carboy ☑ Syringe
- ☐ Dipper ☐ Other _____

Equipment ID _____

Collection Method

- ☐ Wading
- ☐ From Shore
- ☐ Other (note below)

Via Boat:
- ☐ Canoe/Kayak
- ☐ Electric Motor
- ☑ Gasoline Motor

Water Level: Dry / Pooled / Low / (Normal) / High / Flooded

Matrix: (Fresh) / Marine / DI

Meter ID# EXO3 **Photos:** Yes / (NO)

Tide Failing: Yes / No / (NA)

Time Zone	Time	Sample Depth (m)	Total Depth (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (ppt)	Secchi Disk (m)	Sp COND (µmhos/cm)	Temp. (C°)
(EST)	1410	0.3	3.8	7.47	82	7.22	0.06	0.8	124	19.70
CEN	1415	3.3		7.36	80	7.17	0.06		128	19.43

Biological Samples Collected: (None) HA SCI RPS Algae ID LVS LVI Other _____

SBIO ID Numbers: SBIO-ID: RPS-ID: Macrophyte-ID: LIMS#:

Parameter Suite	Parameter Methods	Preservation	Acid Lot#	Expiration	pH Check
Preserved Nutrients	☑ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☑ Ice ☑ H_2SO_4	SA727dd0	10/2/18	☑ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO_3			☐ <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 ☐ Entero ☐ PCR-FILTER	☑ Ice			
Tracers	☐ W-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-SUC-AA-R ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH	☐ Ice ☐ Other			

Place Preservative Sticker(s) Here (If Available)

Notes:

Place Label Here (If Available)

Signature: [signature] **Date:** 04/17/18

Field Parameters Entered into LIMS: JB 4/20/18 (Initials/Date) **Field Parameters QC in LIMS:** _____ (Initials/Date)

Date Migrated to STORET: _____ (Initials/Date) **Field Sheets Scanned/Saved:** _____ (Initials/Date)

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there is qualified data on this page.

Meter ID: Exo3 RQ- 2016- 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.

Circle/Fill In: ~~Lab Calibration~~ or Calibration/Verification on Site

Temperature (Quarterly) FT 1400 Date of Last Temperature Verification 12/17

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	J. Burtchett	4/17/18	756	26.2	9.06	9.05	100	-	1.05	P/F	L/F
ICV	↓	↓	806	26.7	9.33	9.33	100	-	-	P/F	L/F
CCV	↓	↓	1614	26.5	8.04	8.02	100	—	—	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; 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.	J. Burtchett	4/17/18	754	180116B	01/19	1000	1000	P/F	L/F
ICV	↓	↓	1606	270781	09/19	100	96	P/F	L/F
CCV	↓	↓	1616	270781	09/19	100	95	P/F	L/F
CCV			1618	180163	01/19	1000	992	P/F	L/F

Conductivity Acceptance criteria ± 5%

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	J. Burtchett	4/17/18	800	171121A	06/19	7.0	7.0	+0.6	P/F	L/F
Calibr.	↓	↓	802	180116D	01/19	4.0	4.0	162.7	P/F	L/F
Calibr.	↓	↓	804	180221B	09/19	10.0	10.0	-201.9	P/F	L/F
ICV	↓	↓	810	180221B	09/19	10.0	10.0	-202.3	P/F	L/F
CCV	↓	↓	1620	180116D	01/19	4.0	4.0	164.0	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 10 161.5, slope from 4 to 7 183.3 (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth verification 12/17

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:

Request Number: RQ-2018-04-09-52

kit A w/ bacteria

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: TLH-ROC

Project ID: SMP

Requester: Chris Green

Collected By: J. Woods, J. Burtchett

Field Report Prepared By: J. Burtchett

Sampling Agency: 4034

Location

Field/WIN ID → G2TLHR0011

Location → CHIPOLA RIVER

Field ID / WIN/STORET # / Latitude / Longitude

☐ dd ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 4/17/18 Time 1035 | Eastern / Central | Composite end Date — Time —

Bottle Group(s) (See pg 2): A

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

Diss. Oxygen: 7.90 ☑ mg/L ☐ % sat

Total Res. Chlorine (mg/L): —

Temp (C): 17.85

pH: 7.60

Sample Depth: 0.3 ☐ ft ☑ m

Sp. Conductance (umho/cm): 174

Salinity (ppt): 0.08

Comments:

Location

Field ID

WIN/STORET #: G2TLHR0012

Latitude / Longitude

☐ dd ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 4/17/18 Time 1240 | Eastern / Central | Composite end Date — Time —

Bottle Group(s): A

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

Diss. Oxygen: 3.20 ☑ mg/L ☐ % sat

Total Res. Chlorine (mg/L): —

Temp (C): 18.74

pH: 6.20

Sample Depth: 0.3 ☐ ft ☑ m

Sp. Conductance (umho/cm): 55

Salinity (ppt): 0.02

Comments:

Location

Field/WIN ID → G2TLHR0013

Location → BROTHERS RIVER @ MOUTH

Field ID / WIN/STORET # / Latitude / Longitude

☐ dd ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 4/17/18 Time 1410 | Eastern / Central | Composite end Date — Time —

Bottle Group(s): A

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

Diss. Oxygen: 7.47 ☑ mg/L ☐ % sat

Total Res. Chlorine (mg/L): —

Temp (C): 19.7J

pH: 7.22

Sample Depth: 0.3 ☐ ft ☑ m

Sp. Conductance (umho/cm): 128

Salinity (ppt): 0.06

Comments:

Location

Field ID

WIN/STORET #

Latitude / 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
JB, JW	4/17/18 : 1604	HD	1		4/17/18 4:08

Group: A	Bottle Type:	P-1L	# of Bottles: 25	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 25	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	CHLSUITE-W						
Group: A	Bottle Type:	P-250ML-WO-THI	# of Bottles: 25	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	ECOLI-18QT						
Group: A	Bottle Type:	P-500ML	# of Bottles: 25	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	3
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 25	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	3
	W-PO4-F						