



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

Data Qualified?

Yes / No

January 2018

WIN Station Name: Brothers River

Date: 11/19/2018
(mm/dd/yyyy)

WIN/ Field ID: G2TLHR0013

WBID: 3751

Latitude: 29.7663969

(Decimal Degrees)

County: Gulf

ORG ID: 21FTLHR

Longitude: 85.0778919

(Decimal Degrees)

Receiving Body of Water: Apalachicola River

RQ-2018-16-29-74

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment							
J. Burdick J. Woods						☒	☒	☒	☒	☒	☒ Sample Container	☐ Van Dorn	☐ Pole					
											☐ Carboy	☒ Syringe	☐ Dipper	☐ Other				
Depth Measured with Equipment ID											Collection Method							
											☐ Wading	☐ Canoe/Kayak						
											☐ From Shore	☐ Electric Motor						
											☐ Other	☐ Gasoline Motor						
Water Level: Dry/ Pooled/ Low / Normal / ☒ High / Flooded											Meter ID# 154177		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 (µmhos/cm)	Temp. (C°)								
EST	1302	5.4	0.3	1.3	7.55	76.6	7.07	0.05	114	16.0								
CEN	1303		5.3		7.38	74.6	7.01	0.05	114	15.9								
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		54821050	10/1/14	☒ <2							
Metals		☐ W-JCPMS ☐ W-ICP					☐ Ice ☐ HNO3				☐ <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 ☐ Enterococci					☐ 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											

Notes:

A-b

Field/WIN ID →

Location ↓



G2TLHR0013



BROTHERS RIVER @ MOUTH

Signature:

Date:

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:

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: 154137

RQ-

Project: SMP2018

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 9/18/18

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.	J. Burtchett	11/19/18	747	19.7	760.9	9.15	9.17	100.2	-	1.00	P/F	L/F
ICV	↓	↓	757	14.2	760.8	9.43	9.51	100.7	-	-	P/F	L/F
CCV	↓	↓	1554	22.5	756.7	8.66	8.80	101.5			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.	J. Burtchett	11/19/18	749	180621C	07/19	1000	1000	P/F	L/F
ICV	↓	↓	759	1805f81	05/20	100	101	P/F	L/F
CCV	↓	↓	1556	1805f81	05/20	100	101	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.	J. Burtchett	11/19/18	751	180621C	01/20	7.02	19.2	7.03	-30.9	P/F	L/F
Calibr.	↓	↓	753	180621D	07/19	4.00	18.3	4.00	146.8	P/F	L/F
Calibr.	↓	↓	755	180403D	10/19	10.09	18.4	10.08	-188.6	P/F	L/F
ICV	↓	↓	801	180403D	10/19	10.08	18.7	10.04	-190.3	P/F	L/F
CCV	↓	↓	1558	180621D	07/19	4.00	19.4	4.00	146.3	P/F	L/F
CCV								3.96		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 _____, slope from 4 to 7 _____ (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: 9/18

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	J. Burtchett	11/19/18	745	0.00	0.00	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:

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: TLH-ROC

Requester: Michael Eckles

Field Report Prepared By: J. Burkholder

Project ID: SMP

Collected By: J. Burkholder

Sampling Agency: 8034

Location	Field/WIN ID	Location	Field/WIN ID	Location	Field/WIN ID	Field Group(s)
Horseshoe Creek 100m upstream from Intercoastal/Lake Wimico	G2TLHR0033	Horseshoe Creek 100m upstream from Intercoastal/Lake Wimico	G2TLHR0033	Horseshoe Creek 100m upstream from Intercoastal/Lake Wimico	G2TLHR0033	A
Field/WIN ID	→	Field/WIN ID	→	Field/WIN ID	→	
Location	↓	Location	↓	Location	↓	
Temp (C)	13.9	Temp (C)	13.9	Temp (C)	13.9	
pH	6.20	pH	6.20	pH	6.20	
Diss. Oxygen (mg/L)	6.92	Diss. Oxygen (mg/L)	6.92	Diss. Oxygen (mg/L)	6.92	
% sat		% sat		% sat		
Sp. Conductance (umho/cm)	313	Sp. Conductance (umho/cm)	313	Sp. Conductance (umho/cm)	313	
Salinity (ppt)	0.15	Salinity (ppt)	0.15	Salinity (ppt)	0.15	
Comments		Comments		Comments		
Field/WIN ID	→	Field/WIN ID	→	Field/WIN ID	→	
Location	↓	Location	↓	Location	↓	
Temp (C)	17.6	Temp (C)	17.6	Temp (C)	17.6	
pH	6.81	pH	6.81	pH	6.81	
Diss. Oxygen (mg/L)	5.89	Diss. Oxygen (mg/L)	5.89	Diss. Oxygen (mg/L)	5.89	
% sat		% sat		% sat		
Sp. Conductance (umho/cm)	758	Sp. Conductance (umho/cm)	758	Sp. Conductance (umho/cm)	758	
Salinity (ppt)	0.37	Salinity (ppt)	0.37	Salinity (ppt)	0.37	
Comments		Comments		Comments		
Field/WIN ID	→	Field/WIN ID	→	Field/WIN ID	→	
Location	↓	Location	↓	Location	↓	
Temp (C)	15.5	Temp (C)	15.5	Temp (C)	15.5	
pH	6.93	pH	6.93	pH	6.93	
Diss. Oxygen (mg/L)	6.43	Diss. Oxygen (mg/L)	6.43	Diss. Oxygen (mg/L)	6.43	
% sat		% sat		% sat		
Sp. Conductance (umho/cm)	149	Sp. Conductance (umho/cm)	149	Sp. Conductance (umho/cm)	149	
Salinity (ppt)	0.07	Salinity (ppt)	0.07	Salinity (ppt)	0.07	
Comments		Comments		Comments		
Field/WIN ID	→	Field/WIN ID	→	Field/WIN ID	→	
Location	↓	Location	↓	Location	↓	
Temp (C)	13.0	Temp (C)	13.0	Temp (C)	13.0	
pH	7.55	pH	7.55	pH	7.55	
Diss. Oxygen (mg/L)	7.55	Diss. Oxygen (mg/L)	7.55	Diss. Oxygen (mg/L)	7.55	
% sat		% sat		% sat		
Sp. Conductance (umho/cm)	114	Sp. Conductance (umho/cm)	114	Sp. Conductance (umho/cm)	114	
Salinity (ppt)	0.05	Salinity (ppt)	0.05	Salinity (ppt)	0.05	
Comments		Comments		Comments		

Relinquished By: JB, JW	Date/Time: 11/17/18:1514	Shipping Method: HD	Number of Coolers Shipped: 1	Received By: [Signature]	Date/Time: 11/14/18 1521
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Group: A	Bottle Type:	P-1L	# of Bottles: 4	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: A	Bottle Type:	BP-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	CHLSUITE-W					
Group: A	Bottle Type:	P-250ML-WO-THI	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ECOLI-18QT					
Group: A	Bottle Type:	P-500ML	# of Bottles: 4	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NH3				SA 2274050	
	W-NO2NO3				10/1/19	
	W-S-A-TP					
	W-TKN					
	W-TOC					
Group: A	Bottle Type:	P-125ML	# of Bottles: 4	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab
	W-PO4-F					