



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Mule Creek @ Mouth

Date: 04/20/19 04/29/19
(mm/dd/yyyy)

WIN/ Field ID: G3TLHR0038

WBID: 1162

Latitude: 30.1137

County: Bay

ORG ID: 21FTLHR

Longitude: -85.4204

Receiving Body of Water: Sandy Creek

RQ: 2019-04-29-73

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment									
<u>Bert Harden</u> <u>Sade Butchett</u>										☒ 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 / <u>Normal</u> / High / Flooded					Meter ID#					Matrix: <u>Fresh</u> / Marine / DI									
Photos: Yes <u>No</u>					Flow: No Flow / Intertidal / <u>Flowing</u> / 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. (C°)									
<u>EST</u>	<u>1245</u>	<u>0.9</u>	<u>0.3</u>	<u>0.95</u>	<u>6.30</u>	<u>69.9</u>	<u>5.71</u>	<u>0.02</u>	<u>48.8</u>	<u>22.3</u>									
CEN																			
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>SA7163030</u>		<u>06/12/18</u>		☒ <2							
Metals		☐ W-ICPMS ☐ 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-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													

Notes:

Sulfuric exposed

Field/WIN ID →

Location ↓



G3TLHR0038



MULE CREEK @ MOUTH

Signature: [Signature]

Date:

04/29/2019

LIMS EVENT ID:

TLH-ROC-2019-04-29-01

WIN Import ID:

Enter Field Parameters, Verify Station ID in LIMS DMT:

JB 6/9/19
(Initials/Date)

QC Station ID, Field Parameters in LIMS DMT:

(Initials/Date)

Scan/Save Field Sheets

JB 5/4/19
(Initials/Date)

Migrate Data to WIN:

(Initials/Date)

Verify Data in WIN:

(Initials/Date)

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: 154177

RQ-

Project: SMP2019

- 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 4/19

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.	J. Burtchett	4/29/19	802	19.8	760.2	9.13	9.13	100.1	-	0.99	P/F	F
ICV	✓	✓	812	18.5	760.2	9.4	9.38	100.2	-	-	P/F	F
CCV	✓	✓	1612	24.5	759.9	8.3	8.24	98.9	-	-	P/F	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.	J. Burtchett	4/29/19	804	180621C	07/19	1000	1000	P/F	F
ICV	✓	✓	814	2808584	07/20	100	102	P/F	F
CCV	✓	✓	1616	180621A	07/19	10000	10192	P/F	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.	J. Burtchett	4/29/19	806	180621C	10/19	7.02	18.8	7.03	-49.3	P/F	F
Calibr.	✓	✓	808	180621D	07/19	4.00	19.1	4.06	126.2	P/F	F
Calibr.	✓	✓	810	180621F	01/20	10.06	18.5	10.08	216.2	P/F	F
ICV	✓	✓	816	180621F	01/20	10.06	19.0	10.06	217.3	P/F	F
CCV	✓	✓	1617	180621D	07/19	4.00	19.9	4.06	122.0	P/F	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 _____, 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: 4/19

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	J. Burtchett	4/29/19	800	0.000	0.000	P/F	F

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

COMMENTS:

Customer: TLH-ROC

Project ID: SMP

Requester: Michael Eckles

Collected By: Bartlett / HardenField Report Prepared By: B. HardenSampling Agency: 8034

Field/WIN ID →				G3TLHR0037		Field/WIN ID →				G3TLHR0038		Field/WIN ID →				G3TLHR0039		Field/WIN ID →				G3TLHR0041	
Location ↓		Sandy Creek Upstream of Boat Ramp		Sandy Creek Upstream of Boat Ramp		Location ↓		MULE CREEK @ MOUTH		MULE CREEK @ MOUTH		Location ↓		LITTLE SANDY CREEK @ MOUTH		LITTLE SANDY CREEK @ MOUTH		Location ↓		EAGLE NEST BAYOU @ MOUTH		EAGLE NEST BAYOU @ MOUTH	
Latitude		dd dms		dd dms		Latitude		dd dms		dd dms		Latitude		dd dms		dd dms		Latitude		dd dms		dd dms	
Matrix (type, e.g., Salt, Fresh, etc)		Fresh		Fresh		Matrix (type, e.g., Salt, Fresh, etc)		Fresh		Fresh		Matrix (type, e.g., Salt, Fresh, etc)		Fresh		Fresh		Matrix (type, e.g., Salt, Fresh, etc)		Fresh		Fresh	
Temp (C)		20.3		20.3		Temp (C)		22.3		22.3		Temp (C)		23.4		23.4		Temp (C)		25.1		25.1	
pH		5.14		5.14		pH		5.71		5.71		pH		5.33		5.33		pH		6.84		6.84	
Salinity (ppt)		0.02		0.02		Salinity (ppt)		0.02		0.02		Salinity (ppt)		0.11		0.11		Salinity (ppt)		1.07		1.07	
Comments		Good		Good		Comments		Expired sulfuric		Expired sulfuric		Comments		Expired sulfuric		Expired sulfuric		Comments		Expired sulfuric		Expired sulfuric	
Collection (comp begin or grab)		Date 04/29/19		Date 04/29/19		Collection (comp begin or grab)		Date 04/29/2019		Date 04/29/2019		Collection (comp begin or grab)		Date 04/29/2019		Date 04/29/2019		Collection (comp begin or grab)		Date 04/29/2019		Date 04/29/2019	
Time		1235		1235		Time		1245		1245		Time		1305		1305		Time		1330		1330	
Diss. Oxygen		6.83		6.83		Diss. Oxygen		6.30		6.30		Diss. Oxygen		6.37		6.37		Diss. Oxygen		7.36		7.36	
Sample Depth		0.3		0.3		Sample Depth		0.3		0.3		Sample Depth		0.3		0.3		Sample Depth		0.3		0.3	
Total Res. Chlorine (mg/L)		50.1		50.1		Total Res. Chlorine (mg/L)		48.8		48.8		Total Res. Chlorine (mg/L)		242.5		242.5		Total Res. Chlorine (mg/L)		2104		2104	
Sp. Conductance (umho/cm)		50.1		50.1		Sp. Conductance (umho/cm)		48.8		48.8		Sp. Conductance (umho/cm)		242.5		242.5		Sp. Conductance (umho/cm)		2104		2104	
Bottle Group(s) (See pg 2)		A		A		Bottle Group(s)		A		A		Bottle Group(s)		A		A		Bottle Group(s)		B		B	

Relinquished By: JB, BHDate/Time: 4/29/19:1604Shipping Method: TDNumber of Coolers Shipped: 1Received By: TLHDate/Time: 04/29/19@4:00p

Group: A	Bottle Type: P-1L	# of Bottles: 4	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: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
CHLSUITE-W						
Group: A	Bottle Type: P-250ML-WO-THI	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
ECOLI-18QT						
Group: A	Bottle Type: P-500ML	# of Bottles: 4	Preservative: ICE And H2SO4	ICE	Enter Number of Bottles Sent to Lab	3
W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC						
(3) → 7163030 6/12/18 *expired (1) 8394070 12/6/19						
Group: A	Bottle Type: P-125ML	# of Bottles: 4	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	3
W-PO4-F						
Group: B	Bottle Type: P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
ALKALINITY TURBIDITY W-BR-IC W-F W-TSS						
Group: B	Bottle Type: BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
CHLSUITE-W						
Group: B	Bottle Type: P-250ML-WO-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
ENT-24-QT						
Group: B	Bottle Type: P-250ML-WO-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
FCOLI-MF						

Group: B	Bottle Type:	P-500ML	# of Bottles: 2	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NH3				
	W-NO2NO3				
	W-S-A-TP				
	W-TKN				
	W-TOC				
Group: B	Bottle Type:	P-125ML	# of Bottles: 2	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab
	W-PO4-F				
Group: C	Bottle Type:	P-250ML-WO-THI	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
	ENT-24-QT				
Group: C	Bottle Type:	P-250ML-WO-THI	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
	FCOLI-MF				
Group: D	Bottle Type:	P-1L	# of Bottles: 1	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: D	Bottle Type:	BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
	CHLSUITE-W				
Group: D	Bottle Type:	P-250ML-WO-THI	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
	ECOLI-18QT				
Group: D	Bottle Type:	P-500ML	# of Bottles: 1	Preservative: HNO3	Enter Number of Bottles Sent to Lab
	W-ICP				
	W-ICPMS				
Group: D	Bottle Type:	P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NH3				
	W-NO2NO3				
	W-S-A-TP				
	W-TKN				