



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Little Sandy Creek @ Mouth

Date: 04/29/2019
(mm/dd/yyyy)

WIN/ Field ID: G3TLHR0039

WBID: 1155

Latitude: 30.094

(Decimal Degrees)

County: Bay

ORG ID: 21FTLHR

Longitude: -85.4157

(Decimal Degrees)

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>Ben Harden</u> <u>Sade Burtchett</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: <u>Dry</u> / Pooled / Low / <u>Normal</u> / High / Flooded					Meter ID#					Matrix: <u>Fresh</u> / Marine / DI									
Photos: Yes / <u>No</u>					Flow: No Flow / Intestinal / <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 (PPT)	Sp COND (umhos/cm)	Temp. (C°)									
<u>EST</u>	<u>1305</u>	<u>1.4</u>	<u>0.3</u>	<u>0.7</u>	<u>6.37</u>	<u>75.2</u>	<u>5.33</u>	<u>6.11</u>	<u>2425</u>	<u>23.4</u>									
CEN																			
Biological Samples Collected: <u>None</u> 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-P04-F ☒ Field Filtered 0.45 um Filter				☒ Ice													
Chlorophyll		☒ CHLSUITE-W				☒ Ice													
Physical/Aggregate (Fresh)		☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CI-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-D1 ☐ W-E8321-MS				☐ Ice													
Pesticides		☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-E8321-D1 ☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CARB-AA				☐ Ice													
Phytoplankton		☐ DTY-QN-C ☐ PKD-QN-C																	

Notes:

Sulfuric exposed

Field/WIN ID →

Location ↓



G3TLHR0039



LITTLE SANDY CREEK @ MOUTH

Signature: [Signature]

Date: 04/29/2019

LIMS EVENT ID: TLH-ROC-2014-04-29-01

WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT: JB 5/9/19

QC Station ID, Field Parameters In LIMS DMT:

(Initials/Date)

(Initials/Date)

Scan/Save Field Sheets

JB 5/9/19

Migrate Data to WIN:

Verify Data In WIN:

(Initials/Date)

(Initials/Date)

(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	L/F
ICV	✓	✓	812	18.5	760.2	9.4	9.38	100.2	-	-	P/F	L/F
CCV	✓	✓	1612	24.5	759.9	8.3	8.24	98.9			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 μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	J. Burtchett	4/29/19	804	140621C	07/19	1000	1000	P/F	L/F
ICV	✓	✓	814	2808884	07/20	100	102	P/F	L/F
CCV	✓	✓	1616	140621A	07/19	10000	10192	P/F	L/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	180400C	10/19	7.02	18.8	7.03	-493	P/F	L/F
Calibr.	✓	✓	808	180621D	07/19	4.00	19.1	4.06	126.2	P/F	L/F
Calibr.	✓	✓	810	180621F	01/20	10.06	18.5	10.04	216.2	P/F	L/F
ICV	✓	✓	816	180621F	01/20	10.06	19.0	10.06	217.3	P/F	L/F
CCV	✓	✓	1617	180621D	07/19	4.00	19.9	4.06	122.0	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 $+180 \pm 50$;

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	L/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

Requester: Michael Eckles

Field Report Prepared By: B. Hadden

Project ID: SMP

Collected By: Butcher/Hadden

Sampling 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		Location ↓		MULE CREEK @ MOUTH		Location ↓		LITTLE SANDY CREEK @ MOUTH		Location ↓		EAGLE NEST BAYOU @ MOUTH	
Latitude		dd dms		Latitude		dd dms		Latitude		dd dms		Latitude		dd dms	
dd		Longitude		dd		Longitude		dd		Longitude		dd		Longitude	
dms		dms		dms		dms		dms		dms		dms		dms	
Matrix (type, e.g., Salt, Fresh, etc)		Fresh		Matrix (type, e.g., Salt, Fresh, etc)		Fresh		Matrix (type, e.g., Salt, Fresh, etc)		Fresh		Matrix (type, e.g., Salt, Fresh, etc)		Fresh	
Temp (C)		20.3		Temp (C)		22.3		Temp (C)		23.4		Temp (C)		25.1	
pH		5.14		pH		5.71		pH		5.33		pH		6.84	
Salinity (ppt)		0.02		Salinity (ppt)		0.02		Salinity (ppt)		0.11		Salinity (ppt)		1.07	
dd		dms		dd		dms		dd		dms		dd		dms	
Comments		Good		Comments		Expired sulfuric		Comments		Expired sulfuric		Comments		Expired sulfuric	
Collection (comp begin or grab)		Date 04/29/2019 Time 1235		Collection (comp begin or grab)		Date 04/29/2019 Time 1245		Collection (comp begin or grab)		Date 04/29/2019 Time 1305		Collection (comp begin or grab)		Date 04/29/2019 Time 1330	
Diss. Oxygen		6.83		Diss. Oxygen		6.30		Diss. Oxygen		6.37		Diss. Oxygen		7.36	
Sample Depth		0.3		Sample Depth		0.3		Sample Depth		0.3		Sample Depth		0.3	
Total Res. Chlorine (mg/L)		50.1		Total Res. Chlorine (mg/L)		48.8		Total Res. Chlorine (mg/L)		242.5		Total Res. Chlorine (mg/L)		2104	
% sat		50.1		% sat		48.8		% sat		242.5		% sat		2104	
Sp. Conductance (umho/cm)		50.1		Sp. Conductance (umho/cm)		48.8		Sp. Conductance (umho/cm)		242.5		Sp. Conductance (umho/cm)		2104	
ft		m		ft		m		ft		m		ft		m	
Eastern		Central		Eastern		Central		Eastern		Central		Eastern		Central	
Bottle Group(s)		A		Bottle Group(s)		A		Bottle Group(s)		A		Bottle Group(s)		B	

Relinquished By: JB, BH

Date/Time: 4/29/19:1604

Shipping Method: TD

Number of Coolers Shipped: 1

Received By: Tyler K.

Date/Time: 6/29/19@4:00pm

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	3
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						
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						

3 → 7163030
 6/12/18 *expired
 1 8394070
 12/6/19

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					