



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

Data Qualified?

Yes / No

January 2019

WIN Station Name: Mosquito Creek @ SR269

Date:

04/15/2019
(mm/dd/yyyy)

WIN/ Field ID: G2TLHR0015

WBID: 376A

Latitude: 30.6886088

(Decimal Degrees)

County: Gadsden

ORG ID: 21FLTLHR

Longitude: 84.8415925

(Decimal Degrees)

Receiving Body of Water: Apalachicola River

RQ- 2019-04-15-48

Sampling Team Members

Ben Harden
Paul BlairWQ Measurements
Sample Collection
Documentation
Preservation
Preservation Check

Sampling Equipment

☒ Sample Container ☐ Van Dorn ☐ Pole
☐ Carboy ☐ Syringe
☐ Dipper ☐ OtherDepth Measured with
Equipment ID

Collection Method

☒ Wading ☐ Canoe/Kayak
☐ From Shore ☐ Electric Motor
☐ Other ☐ Gasoline MotorWater Level: Dry/ Pooled/ Low Normal High / Flooded

Meter ID# 153484

Matrix: Fresh / Marine / DIPhotos: Yes / NoFlow: No Flow / Intertidal / 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	1105	0.6	0.3	0.2	8.01	88.2	6.69	0.03	59.6	22.1
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	SA834407	12/10/19	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO3	NA834408	12/10/19	☒ <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:

Bottle group: A

G2TLHR0015

Place Label Here

Signature:

Date:

04/15/2019

LIMS EVENT ID: TLH-RQ-2019-04-15-01

WIN Import ID:

Enter Field Parameters, Verify Station ID in LIMS DMT: BH

04/19/19

QC Station ID, Field Parameters in LIMS DMT:

(Initials/Date)

(Initials/Date)

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data in WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)

**Florida Department of Environmental Protection
Central Laboratory Submittal Form**

Customer: TLH-ROC

Project ID: SMP

Requester: Michael Eckles

Collected By: Blax/HardenField Report Prepared By: Blax/HardenSampling Agency: 803-4

Location		Unwired Branch @ Flat Creek Rd		Collection (comp begin or grab)		Date 04/15/19		Time 1035		Composite end		Date		Time		Bottle Group(s)	
Field ID	G2TLHL0081	Matrix (type, e.g., Salt, Fresh, etc)	Fresh	Diss. Oxygen	8.94	Total Res. Chlorine											B
WIN/STORET #	G2TLHL0081	Temp (C)	16.8	pH	6.79	Sample Depth	0.3	Sp. Conductance (umho/cm)	92.7								
Latitude		dd		Longitude		dms		Salinity (ppt)	0.04	Comments							
Location		Mosquito Creek @ SR269		Collection (comp begin or grab)		Date 04/15/19		Time 1105		Composite end		Date		Time		Bottle Group(s)	
Field ID	G2TLHL0015	Matrix (type, e.g., Salt, Fresh, etc)	Fresh	Diss. Oxygen	8.01	Total Res. Chlorine											B
WIN/STORET #	G2TLHL0015	Temp (C)	20.1	pH	6.69	Sample Depth	0.3	Sp. Conductance (umho/cm)	59.6								
Latitude		dd		Longitude		dms		Salinity (ppt)	0.03	Comments							
Location		Mosquito Creek @ Sink's Crossing Rd		Collection (comp begin or grab)		Date 04/15/19		Time 1125		Composite end		Date		Time		Bottle Group(s)	
Field ID	G2TLHL0092	Matrix (type, e.g., Salt, Fresh, etc)	Fresh	Diss. Oxygen	8.19	Total Res. Chlorine											C
WIN/STORET #	G2TLHL0092	Temp (C)	21.5	pH	6.77	Sample Depth	0.3	Sp. Conductance (umho/cm)	71.8								
Latitude		dd		Longitude		dms		Salinity (ppt)	0.03	Comments							
Location		Lake Seminole 200m from Boat Ramp @ Lake		Collection (comp begin or grab)		Date 04/15/19		Time 1215		Composite end		Date		Time		Bottle Group(s)	
Field ID	G2TLHL0002	Matrix (type, e.g., Salt, Fresh, etc)	Fresh	Diss. Oxygen	9.59	Total Res. Chlorine											A
WIN/STORET #	G2TLHL0002	Temp (C)	20.0	pH	7.33	Sample Depth	0.3	Sp. Conductance (umho/cm)	105.2								
Latitude		dd		Longitude		dms		Salinity (ppt)	0.05	Comments							

Relinquished By: <u>Blax</u>	Date/Time: <u>04/15/2019</u>	Shipping Method: <u>Hand Delivered</u>	Number of Coolers Shipped: <u>1</u>	Received By: <u>SP</u>	Date/Time: <u>4-15-19/2124</u>
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Group: A	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	1
	W-ICP						
	W-ICPMS						
							NA83440
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	1
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
							5183+44070
Group: A	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	1
	W-PO4-F						
Group: B	Bottle Type:	P-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: B	Bottle Type:	BP-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	CHLSUITE-W						

Group: B	Bottle Type: P-250ML-WO-THI ECOLI-18QT	# of Bottles: 5	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: P-500ML W-ICP W-ICPMS	# of Bottles: 5	Preservative: HNO3	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: P-500ML W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	# of Bottles: 5	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: P-125ML W-PO4-F	# of Bottles: 5	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	2
Group: C	Bottle Type: P-250ML-WO-THI ECOLI-18QT	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1

NA8344050

SA 8344070

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: 153484

RQ: 2019-04-15-48

Project: 2019 SMP

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 04/19

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.	Ben Harden	04/15/19	0859	19.9	758.0	9.1	9.10	99.8		1.0529	P/F	L/F
ICV	"	"	0913	19.0	758.4	9.3	9.26	99.9			P/F	L/F
CCV	"	"	1430	18.9	759.0	9.35	9.56	102.0			P/F	L/F
CCV				18.6							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.	Ben Harden	04/15/19	0801	180621C	07/19	1000	1000+1001	P/F	L/F
ICV	"	"	0802	1805F81	05/20	100	101.0	P/F	L/F
CCV	"	"	1431	180621C	07/19	1000	995	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.	Ben Harden	04/15/19	0805	180403C	10/19	7.03	18.6	7.03	-34.1	P/F	L/F
Calibr.	"	"	0808	180621D	07/19	4.00	17.8	4.00	145.5	P/F	L/F
Calibr.	"	"	0811	180621F	01/20	10.08	19.1	10.08	-192.0	P/F	L/F
ICV	"	"	0812	"	"	10.08	18.7	10.08	-198.6	P/F	L/F
CCV	"	"	1633	180621D	07/19	4.00	18.9	4.11	138.6	P/F	L/F
CCV										P/F	L/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 $\pm$ 50;

mV pH 4 Range +180 $\pm$ 50;

mV pH 10 Range -180 $\pm$ 50;

If mV are recorded: slope from 7 to 10 162.9, slope from 4 to 7 179.6 (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: 04/19

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	Ben Harden	04/15/19	0803	0.272	0.272	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:

