



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: **Unnamed Branch @ Flat Creek Rd**

Date: **04/15/2019**
(mm/dd/yyyy)

WIN/ Field ID: **G2TLHR0031**

WBID: **477**

Latitude: **30.628287**

County: **Gadsden**

ORG ID: **21FLTLHR**

Longitude: **84.825169**

Receiving Body of Water: **Flat Creek**

RQ- **2019-04-15-48**

Sampling Team Members

Ben Hoden
Paul Star

WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
☒	☒	☒	☒	☒

Sampling Equipment

- ☒ 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# **153484**

Matrix: Fresh / Marine / DI

Photos: Yes / No

Flow: 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	1035	1.8	0.3	0.3	8.94	92.1	6.79	0.04	92.7	16.8
CEN	1058		1.3		8.88	92.8	6.77	0.04	92.8	16.8

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	SA9344020	12/10/19	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☐ HNO3	NA8344050	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-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-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:

water group: B

G2TLHR0031

Place Label Here

Signature: *[Signature]*

Date: **04/15/2019**

LIMS EVENT ID: **TLH-ROC-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:

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data in WIN:

(Initials/Date)

(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: 8034

Location <u>Unnamed Branch @ Flat Creek Rd</u>		☐ Comp ☒ Grab		Collection (comp begin or grab) Date <u>04/15/19</u> Time <u>1035</u>		Composite end Date Time		Bottle Group(s) (See pg 2)	
Field ID <u>G2TLH0081</u>	Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>	Diss. Oxygen <u>8.94</u>	Total Res. Chlorine <u>---</u>						
WIN/STORET # <u>G2TLH0081</u>	Temp (C) <u>16.8</u>	pH <u>6.79</u>	Sample Depth <u>0.3</u>		Sp. Conductance (umho/cm) <u>92.7</u>				
Latitude <u>---</u>	Longitude <u>---</u>	Salinity (ppt) <u>0.04</u>							
Location <u>Mosquito Creek @ SR269</u>		☐ Comp ☒ Grab		Collection (comp begin or grab) Date <u>04/15/19</u> Time <u>1105</u>		Composite end Date Time		Bottle Group(s)	
Field ID <u>G2TLH0015</u>	Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>	Diss. Oxygen <u>8.01</u>	Total Res. Chlorine <u>---</u>						
WIN/STORET # <u>G2TLH0015</u>	Temp (C) <u>20.1</u>	pH <u>6.69</u>	Sample Depth <u>0.3</u>		Sp. Conductance (umho/cm) <u>59.6</u>				
Latitude <u>---</u>	Longitude <u>---</u>	Salinity (ppt) <u>0.03</u>							
Location <u>Mosquito Creek @ Sink's Crossing Rd</u>		☐ Comp ☒ Grab		Collection (comp begin or grab) Date <u>04/15/19</u> Time <u>1125</u>		Composite end Date Time		Bottle Group(s)	
Field ID <u>G2TLH0092</u>	Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>	Diss. Oxygen <u>8.19</u>	Total Res. Chlorine <u>---</u>						
WIN/STORET # <u>G2TLH0092</u>	Temp (C) <u>21.5</u>	pH <u>6.77</u>	Sample Depth <u>0.3</u>		Sp. Conductance (umho/cm) <u>71.8</u>				
Latitude <u>---</u>	Longitude <u>---</u>	Salinity (ppt) <u>0.03</u>							
Location <u>Lake Seminole 200m from bank Ramp @ Linda</u>		☐ Comp ☒ Grab		Collection (comp begin or grab) Date <u>04/15/19</u> Time <u>1215</u>		Composite end Date Time		Bottle Group(s)	
Field ID <u>G2TLH0002</u>	Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>	Diss. Oxygen <u>9.59</u>	Total Res. Chlorine <u>---</u>						
WIN/STORET # <u>G2TLH0002</u>	Temp (C) <u>20.0</u>	pH <u>7.33</u>	Sample Depth <u>0.3</u>		Sp. Conductance (umho/cm) <u>105.2</u>				
Latitude <u>---</u>	Longitude <u>---</u>	Salinity (ppt) <u>0.05</u>							

Relinquished By: <u>Blax</u>	Date/Time <u>04/15/2019</u>	Shipping Method <u>Hand Delivered</u>	Number of Coolers Shipped: <u>---</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						
							NA834480
Group: A	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						
	W-TOC						
							518344070
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
				NA8344050		
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	
				SA 8344070		
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

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 mhos/cm	Meter Reading μ mhos/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	148.5	P/F	L/F
Calibr.	"	"	0811	180621F	01/20	10.08	18.1	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 ± 50 ;

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

mV pH 10 Range -180 ± 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:

