



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

Data Qualified?

Yes / No

January 2018

WIN Station Name: Harvey Creek @ Joe Thomas Rd

Date: 12/10/2018
(mm/dd/yyyy)

WIN/ Field ID: G1TLHR0082

WBID: 921

Latitude: 30.4062

(Decimal Degrees)

County: Leon

ORG ID: 21FLTLHR

Longitude: -84.5291

(Decimal Degrees)

Receiving Body of Water: Lake Talquin

RQ-2018- 11-26-65

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
Ben Harden Jon 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 / <u>High</u> / Flooded					Meter ID# 153484					Matrix: <u>Fresh</u> / Marine / DI				
Photos: Yes / <u>No</u> / Flow: No Flow / Intestinal / <u>Flowing</u> / NA					Tide: Rising/ Falling/ Slack/ <u>NA</u>					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°)				
EST	1450	0.3	0.15	0.3	9.67	90.8	4.11	0.02	409	12.4				
CEN														
Biological Samples Collected: None <u>HA</u> SCI <u>RPS</u> Algae ID <u>LVS</u> 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	SA827050	10/9/19	☒ <2					
Metals	☐ W-ICPMS ☐ W-JCP					☐ 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					☐ Ice								
	☐ W-PCL-SQ-R ☐ W-PYR-AA-R ☐ W-GLYPH ☐ W-SUC-AA-R					☐ Other								

Notes:

RPS/LVS

G1TLHR0082
Place Label Here

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:

DEP Form FD 9000-4 Stream/River Habitat Assessment Sketch Sheet

GITLHR0062

Location: Harvey Creek @ Joe Thayer Rd

Date: 12/10/2016

Sampler: Harden

100 m: Latitude _____
Longitude _____

0 m: Latitude _____
Longitude _____

Substrates: Code key, draw proportionate habitat abundance. %

☒ Snags 2

☐ Roots/undercut banks _____

☒ Leaf Packs (or mats) 2

☐ Aquatic Macrophytes 0

☐ _____

☐ _____

☒ Pools total # observed = 16
range expected = _____

Average width 2.5 m

Average depth 0.63 m 0.4

Velocity measured at 0 meter mark.

WQ & chemistry taken at 0 meter mark.

Habitat Smothering:

Note areas (on map) where sand or silt is smothering substrates, limiting habitability.

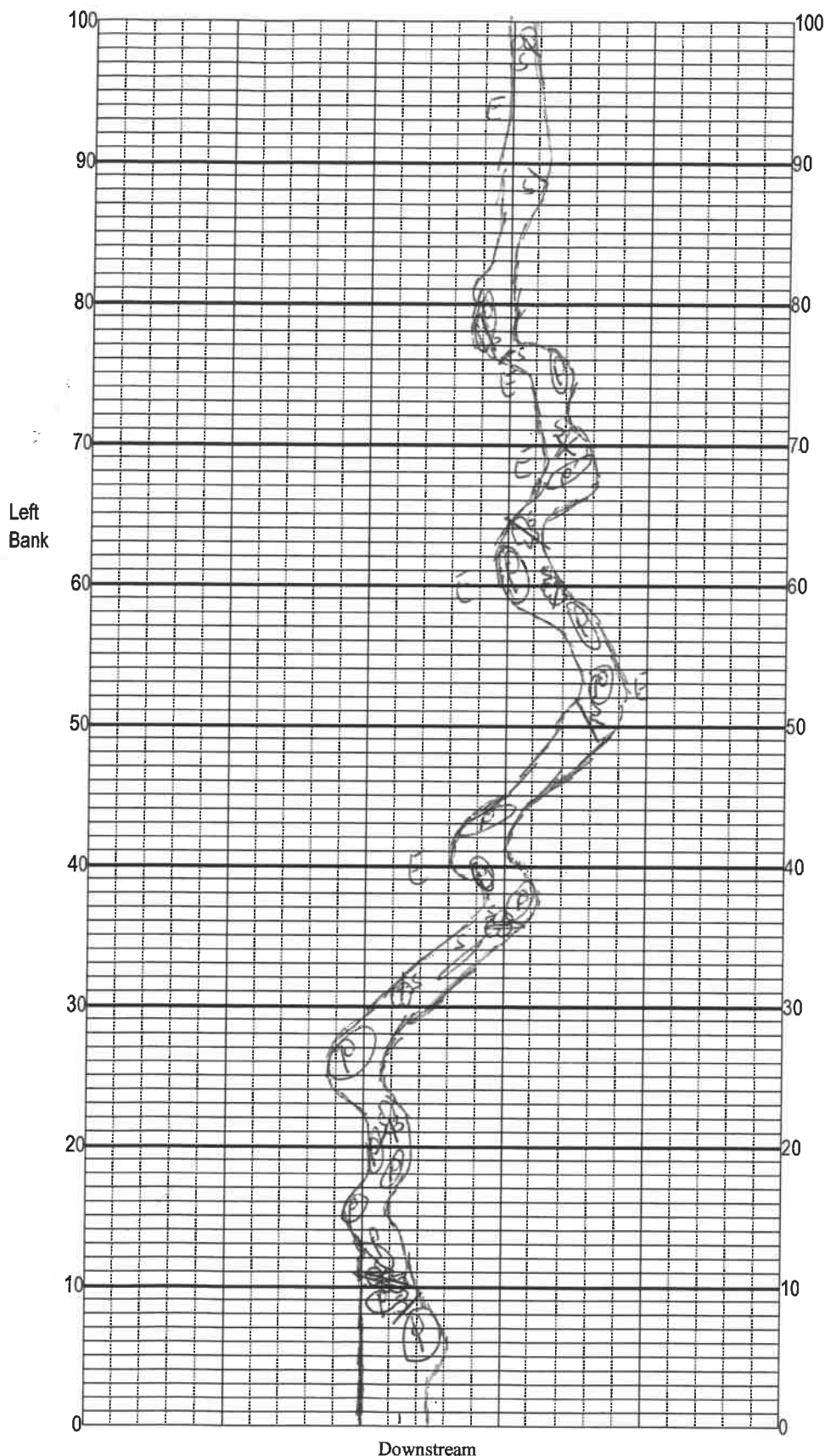
Bank Stability: E

Note areas (on map) with unstable, eroding banks.

Riparian Buffer Width: 25 ft

Note areas (on map) where natural vegetation is altered or eliminated.

Plants observed / other notes:



Length of grid represents 100 m of stream (not linear meters).
(Horizontal scale is double vertical scale, draw proportionately).

DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

Site: G1 TLR0062 County: Leon Date: 12/10/16 Investigators: Woods

Transect t (m) Point 1=right 9=left Algal Thickness Rank (N-6, X) Estimated Canopy Cover STORET Station Number: G1 TLR0062

Transect t (m)	Point 1=right 9=left	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover	Transect t (m)	Point 1=right 9=left	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover	
0	1	N	N		60	1	N	N		
	2					2				
	3					3				
	4					4				
	5					5				96
	6					6				
	7					7				
	8					8				
	9					9				
10	1	N	N		70	1	N	N		
	2					2				
	3					3				
	4					4				
	5					5				96
	6					6				
	7					7				
	8					8				
	9					9				
20	1	N	N		80	1	N	N		
	2					2				
	3					3				
	4					4				
	5					5				96
	6					6				
	7					7				
	8					8				
	9					9				
30	1	N	N		90	1	N	N		
	2					2				
	3					3				
	4					4				
	5					5				96
	6					6				
	7					7				
	8					8				
	9					9				
40	1	N	N		100	1	N	N		
	2					2				
	3					3				
	4					4				
	5					5				96
	6					6				
	7					7				
	8					8				
	9					9				
50	1	N	N		Record "N" and check "Estimated" for points deeper than the Secchi depth; algae are presumed absent. Check "Estimated" if thickness estimated for deep points which can be seen but not reached. Record "X" for points shallower than Secchi depth for which substrate cannot be seen or reached with the hand. No estimated rank. Record canopy cover as the number of small densiometer quadrants (out of 96) that HAVE canopy cover. Measure facing upstream at point 4, 5, or 6. Collect algal mat sample following DEP SOP FS 7240 if the percentage of total sampled points with a thickness rank of 4, 5, or 6 is >20%.					
	2									
	3									
	4									
	5									
	6									
	7									
	8									
	9									

Secchi depth 0.3
Estimated? N

points ranked 4-6
total points assessed
% points ranked 4-6

Check accompanying data collected at same site/date.
Algal mat sample
Linear Veg Survey
Habitat Assessment
SCI/Biorecon
Water sample
RQ-

Algal Thickness Rank
N rough, no algae, slimy, algae up to 1mm
3 >1mm - 6mm
4 >6mm - 20mm
5 >20mm - 10 cm
6 >10 cm

DEP FORM FD 9000-32: LINEAR VEGETATION SURVEY FIELD SHEET

Waterbody: <i>Harvey Cr @ Joe Thomas</i>	Date: <i>12/10/14</i>	County: <i>Leon</i>	Storet Number:
Analyst: <i>Woods</i>	Signature: <i>[Signature]</i>		
Comments: <i>< 2m²</i>			

Instructions: Note taxa growing in the water with a checkmark if present, "D" if dominant, and "C" if codominant (dominance only if 1m² of taxa present). Note in the boxes below if no dominant are selected, and note total macrophyte abundance rank for each section. Only the most common taxa are listed, so use blank spaces for additional taxa names.

[illegible]

Florida Department of Environmental Protection

last revised Jan 25, 2018

Central Laboratory Submittal Form

Customer: TLH-ROC

Requester: Michael Eckles

Field Report Prepared By: Hadden/Woods

Project ID: SMP

Collected By: Woods/HaddenSampling Agency: SDA

Location		Harvey Creek Co. Thomas Rd		Collection (comp begin or grab)		Date		Time		Eastern Central		Composite end Date		Bottle Group(s)	
Field ID		G1TLHROC082		Matrix (type, e.g., Salt, Fresh, etc)		Fresh		14:50		Diss. Oxygen		mg/L		(See pg 2)	
WIN/STORET #		G1TLHROC082		Temp (C)		12.4		pH		4.11		Sample Depth		ft	
Latitude		dd dms		Longitude		dd dms		Salinity (ppt)		0.02		Sp. Conductance (umho/cm)		40.9	
Location				Collection (comp begin or grab)						Eastern Central		Composite end Date		Bottle Group(s)	
Field ID				Matrix (type, e.g., Salt, Fresh, etc)						Diss. Oxygen		mg/L			
WIN/STORET #				Temp (C)				pH				Sample Depth		ft	
Latitude		dd dms		Longitude		dd dms		Salinity (ppt)				Sp. Conductance (umho/cm)			
Location				Collection (comp begin or grab)						Eastern Central		Composite end Date		Bottle Group(s)	
Field ID				Matrix (type, e.g., Salt, Fresh, etc)						Diss. Oxygen		mg/L			
WIN/STORET #				Temp (C)				pH				Sample Depth		ft	
Latitude		dd dms		Longitude		dd dms		Salinity (ppt)				Sp. Conductance (umho/cm)			
Location				Collection (comp begin or grab)						Eastern Central		Composite end Date		Bottle Group(s)	
Field ID				Matrix (type, e.g., Salt, Fresh, etc)						Diss. Oxygen		mg/L			
WIN/STORET #				Temp (C)				pH				Sample Depth		ft	
Latitude		dd dms		Longitude		dd dms		Salinity (ppt)				Sp. Conductance (umho/cm)			
Location				Collection (comp begin or grab)						Eastern Central		Composite end Date		Bottle Group(s)	
Field ID				Matrix (type, e.g., Salt, Fresh, etc)						Diss. Oxygen		mg/L			
WIN/STORET #				Temp (C)				pH				Sample Depth		ft	
Latitude		dd dms		Longitude		dd dms		Salinity (ppt)				Sp. Conductance (umho/cm)			

Relinquished By: <u>SW</u>	Date/Time: <u>12/01/18 1554</u>	Shipping Method: <u>40</u>	Number of Coolers Shipped: <u>1</u>	Received By: <u>[Signature]</u>	Date/Time: <u>12/01/18 1600</u>
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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: 15384

RQ-

Project:

- 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

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	12/10/18	0754	20.2	759.5	9.06	9.05	99.9		1.0594	P/F	L/F
ICV	"	"	0808	19.5	759.6	9.18	9.35	101.8			P/F	L/F
CCV	"	"	1602	14.9	760.2	10.11	10.40	103.2			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.	Ben Harden	12/10/18	0757	180621C	07/19	1000	1000	P/F	L/F
ICV	"	"	0758	1805F8	05/20	100	101.0	P/F	L/F
CCV	"	"	1604	180621C	07/19	1000	1001	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	12/10/18	0759	180621E	01/20	7.02	19.7	19.77	-16.5	P/F	L/F
Calibr.	"	"	0802	180621D	07/19	4.00	19.5	4.00	159.6	P/F	L/F
Calibr.	"	"	0804	180403D	10/19	10.07	19.1	10.07	-173.3	P/F	L/F
ICV	"	"	0806	"	"	10.07	19.4	10.07	-173.7	P/F	L/F
CCV	"	"	1606	180621D	07/19	4.00	19.5	4.18	156.7	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 10 156.8, slope from 4 to 7 176.1 (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:

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	12/10/18	0807	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: