



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

October 2017

Qualified Data

Yes

Location/STORET Station Name: Harvey Creek @ Joe Thomas Rd West Date: 1/9/18

STORET # 617LHR0002 WBID: 921 Latitude: 30.40622

County: Leon RQ - 2018-01-06-21 ORG ID: 21FLTLHR Longitude: 84.529084

Receiving Body of Water: Lake Talquin Field ID: 617LHR0002

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
Son Woods Jesse Tolbert					X	X	X	X	X	☒ Sample Container	☐ Van Dorn	☐ Pole		
										☐ Carboy	☒ Syringe			
										☐ Dipper	☐ Other			
										Equipment ID				
										Collection Method				
										☒ Wading	☐ Canoe/Kayak			
										☐ From Shore	☐ Electric Motor			
										☐ Other	☐ Gasoline Motor			
Water Level: Dry / Low / Normal / Above Normal / Flooded					Meter ID# <u>118157</u>					Matrix: Fresh / Marine / DI				
Photos: Yes / No					Flow: No Flow / Intestinal / Flowing / NA					Tide: Rising / Falling / Slack / NA				
Tide Times: High Low														
Time Zone	Time	Sample Depth (m)	Total Depth (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Secchi Disk (m)	Sp COND (µmhos/cm)	Temp. (C°)				
EST	1200	0.1	0.2	675	92.3	5.64	0.01	0.2	26	17.94				
CEN								S						

Biological Samples Collected: None HA SCI RPS Algae ID LVS LVI Other

SBIO ID Numbers: SBIO-ID: 78193 HA-ID: RPS-ID: 8897 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>7275010</u>	<u>10/2/18</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-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	☐ Ice			
	☐ W-PCL-SQ-R ☐ W-PYR-AA-R ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Other			

Place Label Here
(If Available)

Notes:

created station in SBIO2 '16 in
Secchi VOB

Signature: [Signature]

Date: 1/9/18

Field Parameters Entered into LIMS: 7/1/18 1-31-18
(Initials/Date)

Field Parameters QC in LIMS: 7/1/18 1/31/18
(Initials/Date)

Date Migrated to STORET: 1/31/18
(Initials/Date)

Field Sheets Scanned/Saved: 1/31/18
(Initials/Date)

DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

Site: GILCHR0032 County: Leon Date: 1/9/16 Investigators: Woods/Tolbert

STORET Station Number: GILCHR0032

Transect (m)	Point 1=right 9=left	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover	Transect (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			96		5			94	
	6					6				
	7					7				
	8					8				
	9					9				
10	1				70	1				
	2					2				
	3					3				
	4					4				
	5			96		5			96	
	6					6				
	7					7				
	8					8				
	9					9				
20	1				80	1				
	2					2				
	3					3				
	4					4				
	5			92		5			96	
	6					6				
	7					7				
	8					8				
	9					9				
30	1				90	1				
	2					2				
	3					3				
	4					4				
	5			96		5			96	
	6					6				
	7					7				
	8					8				
	9					9				
40	1				100	1				
	2					2				
	3					3				
	4					4				
	5			96		5			96	
	6					6				
	7					7				
	8					8				
	9					9				
50	1					1				
	2					2				
	3					3				
	4					4				
	5			96		5				
	6					6				
	7					7				
	8					8				
	9					9				

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%.

Secchi depth 0.2
Estimated? N

points ranked 4-6 0
total points assessed
% points ranked 4-6

Check accompanying data collected at same site/date.
Algal mat sample
Linear Veg Survey X
Habitat Assessment
SCI/Biorecon
Water sample X
RQ-2018-01-06-21

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

SB102: JTR 1-31-2018

DEP FORM FD 9000-32: LINEAR VEGETATION SURVEY FIELD SHEET			
Waterbody: <u>GILCHR0082</u>	Date: <u>1/9/16</u>	County: <u>Leon</u>	Storet Number: <u>GILCHR0082</u>
Analyst: <u>Jon Woods</u>		Signature: <u>[Signature]</u>	

Storet Number: G1TLHR0092

Signature: John Head

Instructions: Note taxa growing in the water with a checkmark if present, "D" if dominant, and "C" if codominant (dominance only if 1 m² 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]

DEP Form FD 9000-3 Physical/Chemical Characterization Field Sheet

SAMPLE ID _____ ORG ID 8034 LATITUDE _____
 COUNTY Legn STORET # 01TLHR0042 LONGITUDE _____
 DATE 1/9/18 TIME 1200 SAMPLING AGENCY _____
 SITE NAME Harvey Creek @ Joe Thomas Rd West
 FIELD ID/NAME G1TLHR0042 RECEIVING BODY OF WATER Lake Talquin

RIPARIAN ZONE / STREAM FEATURES

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category): Forest/Natural <u>60</u> Silviculture <u>30</u> Field/Pasture _____ Agricultural _____ Residential <u>10</u> Commercial _____ Industry _____ Other (Specify) _____								Landscape Development Intensity Index (LDI) _____
Local Watershed Erosion (select one): ☒ None ☐ Slight ☐ Moderate ☐ Heavy Local Watershed NPS Pollution: ☒ No evidence ☐ Slight ☐ Moderate ☐ Heavy				Typical Width (m) Depth (m)/Velocity (m/sec) Transect _____ m wide <u>0.25</u> m/s <u>0.25</u> m/s <u>0.25</u> m/s <u>0.2</u> m deep <u>0.2</u> m deep <u>0.2</u> m deep				
Width of Riparian Vegetation (m) on Each Buffer Side Left Bank: <u>21.8</u> Right Bank: <u>71.8</u>				Hydrologic Modification Score (per FT 3101) _____				
High Water Mark: <u>0.3</u> + <u>0.2</u> = <u>0.5</u> (m) (above present water level) (present depth) (above bed)				Artificially Impounded ☐ Yes ☒ No				
Artificially ☒ No ☐ Mostly recovered, more sinuous Channelized: ☐ Some recovery ☐ Recent, severe				Canopy Cover % ☐ Open ☐ Lightly Shaded (11-45%) ☒ Heavily Shaded ☐ Moderate Shaded (46-80%)				

SEDIMENT / SUBSTRATE

Sediment Oils ☒ Absent ☐ Slight ☐ Moderate ☐ Profuse			Sediment Odors ☒ Normal ☐ Sewage ☐ Petroleum ☐ Chemical ☐ Anaerobic ☐ Other (Specify) _____			Smothering of Substrates Sand Smothering: None ☐ Slight ☒ Moderate ☐ Severe ☐ Silt Smothering: None ☐ Slight ☒ Moderate ☐ Severe ☐ Algae Smothering: None ☒ Slight ☐ Moderate ☐ Severe ☐		
SUBSTRATE TYPE Assessment Tool: ☐ SCI ☒ RPS ☒ LVS ☐ LCI ☐ BioRecon % Coverage INVERT # Times Sampled PERI # Times Sampled Woody Debris (Snags) _____ Undercut Banks / Roots _____ Leaf Packs or Mat _____ Aquatic Vegetation _____ Rock or Shell Rubble.. _____ Sand..... _____ Mud / Muck / Silt _____ Other _____ Other _____			WATER QUALITY Depth (M) Temp. (°C) pH (SU) D.O. (MG/L) D.O. Sat (%) Cond. (UMHO/CM) Salinity (PPT) SECCHI (M) Top: <u>0.1</u> <u>17.94</u> <u>5.68</u> <u>6.75</u> <u>92.3</u> <u>26</u> <u>0.01</u> <u>0.2</u> Mid: _____ Bottom: _____ Meter ID: <u>116157</u> Water Odors Normal ☒ Petroleum ☐ Sewage ☐ Chemical ☐ Other ☐ Water Sample Taken? ☒ Yes ☐ No Sample Preserved? ☒ Yes ☐ No Lot Number: <u>7275010</u> Exp: <u>10/2/18</u> Algae Sample Taken? ☐ Yes ☒ No Sample Preserved? ☐ Yes ☐ No Lot Number: _____ Exp: _____					
ABUNDANCE Not Obs. Rare Common Abundant Periphyton: ☐ ☒ ☐ ☐ Fish: ☒ ☐ ☐ ☐ Aquatic Plants: ☒ ☐ ☐ ☐ Iron/Sulfur Bacteria: ☒ ☐ ☐ ☐			Water Surface Oils Normal ☒ Sheen ☐ Globs ☐ Slick ☐ Other ☐ Color Tannic ☐ Green (Algae) ☐ Clear ☒ Other (Specify) _____ Clarity Clear ☒ Slightly Turbid ☐ Turbid ☐ Opaque ☐			System Type: Stream ☒ Lake ☐ Wetland ☐ Estuary ☐ Other (Specify) _____		
AMBIENT FIELD CONDITIONS / NOTES: ☒ The antecedent hydrologic conditions have been met to my best knowledge.								

SAMPLING TEAM

Woods / Tolbert

SIGNATURE:

[Signature]

DATE:

1/9/18

SB102: JTH 1-31-2018

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 3, 2018

Customer: TLH-ROC

Requester: Chris Green

Field Report Prepared By: Woods

Project ID: SMP

Collected By: Woods / TolbertSampling Agency: 6034

Location		G1TLHR0055		Collection (comp begin or grab)		Time		Composite end		Bottle Group(s)	
Field ID	Field ID	Comp	Grab	Date	Time	Diss. Oxygen	Total Res. Chlorine	mg/L	% sat	Time	(See pg 2)
WBID 896	Field ID	☒	☐	12.26	1010	0.1	26				A
Polk Creek @ End of Merry Robin Rd	WIN/STORE										
Latitude	Longitude										
Comments: Add SCI											
Hussey Creek @ Joe Thomas Rd West											
Field ID	Field ID	☒	☐	17.94	1255	8.75	26				A
WBID 757	Field ID	☒	☐	13.67	1255	0.15	32				A
Bear Creek @ SR 267	WIN/STORE										
Latitude	Longitude										
Comments:											
Hussey Creek @ Joe Thomas Rd West											
Field ID	Field ID	☒	☐	12.26	1010	0.1	26				A
WBID 896	Field ID	☒	☐	12.26	1010	0.1	26				A
Polk Creek @ End of Merry Robin Rd	WIN/STORE										
Latitude	Longitude										
Comments:											
Hussey Creek @ Joe Thomas Rd West											
Field ID	Field ID	☒	☐	17.94	1255	8.75	26				A
WBID 757	Field ID	☒	☐	13.67	1255	0.15	32				A
Bear Creek @ SR 267	WIN/STORE										
Latitude	Longitude										
Comments:											

Relinquished By: <u>Woods</u>	Date/Time: <u>1/9/18 1512</u>	Shipping Method: <u>HD</u>	Number of Coolers Shipped: <u>1</u>	Received By: <u>ADD</u>	Date/Time: <u>1-9-18 15:12</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 is qualified data on this name.

Meter ID:

114157

RQ-

Project:

G1 SMP 1601

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.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

10/17

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Jon Woods	1/9/18	811	14.6		10.13	100	—	1.01	P/F	L/F
ICV	"	"	826	19.3	9.820	9.25	100	—	—	P/F	L/F
CCV	"	"	1405	19.8	9.129	9.29	101	—	—	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; 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.	Jon Woods	1/9/18	816	171121D	12/14	1000	1000	P/F	L/F
ICV	"	"	825	2710761	9/19	100	99	P/F	L/F
CCV	"	"	1406	171031B	11/18	1000	990	P/F	L/F
CCV	"	"	1406	2710761	9/19	100	100	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	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Jon Woods	1/9/18	819	171121A	6/19	7.0	7.0	-50.6	P/F	L/F
Calibr.	"	"	820	171121C	12/18	4.0	4.0	118	P/F	L/F
Calibr.	"	"	821	171121B	6/19	10.0	10.0	-220	P/F	L/F
ICV	"	"	823	"	"	10.0	10.0	-223	P/F	L/F
CCV	"	"	1410	170926B	10/18	4.0	4.1	115	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 10 169.4, slope from 4 to 7 168.6 (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth 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						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: