



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

October 2017

Qualified Data

NO

Location/STORET Station Name: Big Branch 50 meters upstream of CR 67 Date: 11-20-17
(mm/dd/yyyy)

STORET # G1WA001 WBID: 1049 Latitude: 30.3110
(Decimal Degrees)

County: Liberty RQ - 2017-10-30-54 ORG ID: 21FLTLHR Longitude: -84.7651
(Decimal Degrees)

Receiving Body of Water: Tologia Creek Field ID: G1WA001-11202017

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment		Collection Method	
Chris Green		☒	☒	☒	☒	☒	☒ Sample Container	☐ Van Dorn	☐ Pole	☒ Wading
Mike Eckles		☐	☐	☐	☐	☐	☐ Carboy	☒ Syringe	☐ Other	☐ Canoe/Kayak
		☐	☐	☐	☐	☐	☐ Dipper	☐ Other		☐ Electric Motor
		☐	☐	☐	☐	☐	Equipment ID			☐ Gasoline Motor
		☐	☐	☐	☐	☐				
Water Level: Dry / <u>Low</u> / Normal / Above Normal / Flooded							Meter ID# <u>600 XL YSE</u>		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	Sample Depth (m)	Total Depth (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Secchi Disk (m)	Sp COND (µmhos/cm)	Temp. (C°)
EST	12:00	0.15	0.3	9.72	89.3	7.08	0.02	0.03	52	11.60
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>6-12-18</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-CI-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				

Contains 1:1 Sulfuric Acid
Lot No.: SA7163030
Expires: 06/12/18
See Safety Data Sheet (SDS)

Notes: pickup Deployer sonda for DO

Signature: Chris Green Date: 11-20-2017

Field Parameters Entered into LIMS: CM 4-40-2018 Field Parameters QC in LIMS: 4-10-2018

Date Migrated to STORET: 4-10-2018 Field Sheets Scanned/Saved: 4-10-2018

G1WA001_11202017

WBID 1049 Field ID ↑ STORET ↓

Big Branch 50 meter upstream of CR 67



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
SMP CONTINUOUS MONITORING SHEET

August 2017

PAGE ____ OF ____

Data Qualified?
Yes / No

STORET Station Name: Big Branch 50 m upstream of CRAZ WBID: 1049

STORET Station ID: G1WA0001 ORG ID: TLHR

Field ID: _____ County: Liberty RQ - _____

Meter ID#: <u>EXO</u>			
Pre-Deployment Setup			
Date: <u>11/14/17</u>		Performed by: <u>M. A. Eckles</u>	
Parameters Recorded: ☒ Date ☒ Time ☒ Temp.(C°) ☒ Sp. Cond. ☒ DOSAT ☒ DO (mg/L) ☒ pH ☒ Depth			
Sampling Interval (min): <u>15</u>	Free Memory (days):	Expected Battery Life:	Programmed Duration:
Sonde Filename: <u>BigBranch</u>			Reset Clock? (Y or N)
Programmed Start Date/Time: _____ (mm/dd/yyyy) (hh:mm:ss) (Cent. / East)			Wipers Park Correctly?
Programmed End Date/Time: _____ (mm/dd/yyyy) (hh:mm:ss) (Cent. / East)			Calibration Date <u>11/14/17</u>

Deployment			
Date: <u>11/14/17</u>		Time Into Water: <u>12:55</u>	
Time Zone: Cent. / <u>East.</u>			
Deployed Sonde Latitude: <u>30.31080</u>	Deployed By: <u>M. A. Eckles</u>		<u>Sason Stalls</u>
Deployed Sonde Longitude: <u>-84.76512</u>	(print all staff present)		
Notes: (how to get to, landmarks, site considerations & concerns, etc.) <u>About 20 m tape / Fence Post / Cable to tree</u>			
Photos: <u>Yes</u> / No			

Retrieval			
Date: <u>11/20/17</u>		Time Out Of Water: <u>12:09</u>	
Time Zone: Cent. / <u>East.</u>			
Mounting left or removed? <u>yes</u>	Retrieved By: <u>M. A. Eckles</u>		
Notes: (significant fouling, signs of human disturbance, site considerations and concerns, etc.) <u>No sign of Disturbance / Unit looks untouched</u>			

Post-Deployment	
Date:	Performed by:
Data File Downloaded? Yes / No	Archived Filename:
Meter Verification Date:	

Florida Department of Environmental Protection Central Laboratory Submittal Form

Customer: TLH-ROC

Project ID: SMP

Requester: Chris Green

Field Report Prepared By: LGCollected By: Chris Green / Mike EcklesSampling Agency: 8034

Location		G1WA001_11202017		☒ Comp ☐ Grab		Collection (comp begin or grab)		Eastern Central		Composite end		Bottle Group(s)	
Field ID		WBID 1049 Field ID ↑ STORET ↓		Date 11-20-17		Time 12:00		Date		Time		(See pg 2)	
STORET		Big Branch 50 meter upstream of CR 67		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☒ mg/L ☒ % sat		Total Res. Chlorine (mg/L)		A	
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Temp (C) 11.60		pH 7.08			
Salinity (ppt) 0.02		Comments		Sp. Conductance (umho/cm) 52									

Location				☐ Comp ☐ Grab		Collection (comp begin or grab)		Eastern Central		Composite end		Bottle Group(s)	
Field ID				Date		Time		Date		Time			
STORET #				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)			
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Temp (C)		pH		Sample Depth ☐ ft ☐ m	
Salinity (ppt)		Comments		Sp. Conductance (umho/cm)									

Location				☐ Comp ☐ Grab		Collection (comp begin or grab)		Eastern Central		Composite end		Bottle Group(s)	
Field ID				Date		Time		Date		Time			
STORET #				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)			
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Temp (C)		pH		Sample Depth ☐ ft ☐ m	
Salinity (ppt)		Comments		Sp. Conductance (umho/cm)									

Location				☐ Comp ☐ Grab		Collection (comp begin or grab)		Eastern Central		Composite end		Bottle Group(s)	
Field ID				Date		Time		Date		Time			
STORET #				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)			
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Temp (C)		pH		Sample Depth ☐ ft ☐ m	
Salinity (ppt)		Comments		Sp. Conductance (umho/cm)									

Relinquished By: <u>C. Green</u>	Date/Time: <u>11/20/17</u>	Shipping Method: <u>Hand</u>	Number of Coolers Shipped: <u>1</u>	Received By: <u>[Signature]</u>	Date/Time: <u>11/20/17 3:20pm</u>
----------------------------------	----------------------------	------------------------------	-------------------------------------	---------------------------------	-----------------------------------

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 page.

Meter ID:

EXO

RQ-

2017-10-30-57

Project:

Long-term Depth #

- 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

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.	M. A. Eckles	10:00	11/14/17	18.9	9.29	9.31	100.4		1.54	P/F	L/F
ICV	M. A. Eckles	10:05	11/14/17	14.9	9.29	9.31	100.5			P/F	L/F
CCV		10:05								P/F	L/F
CCV	M. A. Eckles	15:30	11/20/17	17.75	9.50	9.51	99.9			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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	M. A. Eckles	10:08	11/14/17	171031A	11/18	1000	1000	P/F	L/F
ICV	M. A. Eckles	10:10	11/14/17	2167083	7/19	100	100	P/F	L/F
CCV	M. A. Eckles	15:35	11/20/17	2707083	7/19	99.9	99.9	P/F	L/F
CCV						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.	M. A. Eckles	11/14/17	10:15	170822C	3/19	7.0	7.00	-63	P/F	L/F
Calibr.	M. A. Eckles	11/14/17	10:25	170926B	10/18	4.0	4.00	-66.5	P/F	L/F
Calibr.	M. A. Eckles	11/14/17	10:30	170822D	3/19	10.0	10.00	-79.6	P/F	L/F
ICV	M. A. Eckles	11/14/17	10:32	170822D	3/19	10.0	9.98	-77.7	P/F	L/F
CCV	M. A. Eckles	11/20/17	15:40	170822C	3/17	7.0	7.14	-15.7	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 _____, slope from 4 to 7 _____ (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:



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

October 2017

Qualified Data

Location/STORET Station Name: 6

Date: 11/14/17
(mm/dd/yyyy)

STORET # 602 WPA001

WBID: 1049

Latitude: 30.3110

County: Liberty RQ -

ORG ID: 21FLTLHR

Longitude: -84.7651
(Decimal Degrees)

Receiving Body of Water: Atlagia Creek

Field ID:

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Michael Eckles					X	X			
Sason Stiers									

Sampling Equipment		
☐ 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# _____ 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		6.217	1.2	8.26	83.5	6.72	0.02	1.0	49	15.90
CEN										15

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			☐ <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-CI-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-PCL-SQ-R ☐ W-PYR-AA-R ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			

Place Preservative Sticker(s) Here (If Available)

Notes:

Initial Deployment long-term DO

Place Label Here
(If Available)

Signature: _____

Date: _____

Field Parameters Entered into LIMS: _____

(Initials/Date)

Field Parameters QC in LIMS: _____

(Initials/Date)

Date Migrated to STORET: _____

Field Sheets Scanned/Saved: _____