



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes No

WIN Station Name: Mearson Spring

Date: 05/23/2018
(mm/dd/yyyy)

WIN/ Field ID: G1TLHR0025

WBID: 3422P

Latitude: 30.04128

County: Lafayette

ORG ID: 21FLTLHR

Longitude: 83.02511

Receiving Body of Water: Suwannee River

Longitude: 83.02511

RQ-2018- 05-14-31

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
J. Burckett						✓		✓		
J. Wood3								✓	✓	✓

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: ProDSS

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	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (µmhos/cm)	Temp. (C°)
EST	1040	2.2	0.3	2.2	1.76	19.6	7.24	0.20	409	21.9
CEN	1045		1.7	5	1.61	18.4	7.23	0.20	409	21.9

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	SAY085170	3/26/19	☒ <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 ☐ W-CARB-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: No b4c-t!

Field/WIN ID
Location



G1TLHR0062



BETHELCREEK@MILLCREEKRD

Signature: Gabe B...

Date: 05/23/18

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:

kit A w/ bacteria

last revised Jan 25, 2018

Customer: TLH-ROC

Project ID: SMP

Requester: Chris Green

Field Report Prepared By: J. Burtchett

Collected By: J. Woods, J. Burtchett

Sampling Agency: 8034

Location	☐ Comp Grab		Collection (comp begin or grab)	Time	1040	Composite end	Eastern	Central	Date	Time	Bottle Group(s)
Field ID	☒ Grab		Date	5/23/18	Time	1040	☒ Diss. Oxygen	☒ mg/L	Total Res. Chlorine	(See pg 2)	
WIN/ST	Matrix (type, e.g., Salt, Fresh, etc)		Fresh		1.76		☒ % sat			A	
Latitude	Temp (C)		21.9	pH	7.24	Sample Depth	0.3	ft	Sp. Conductance (umho/cm)	409	
	☐ dd ☐ dms		Salinity (ppt)	0.00	Comments						
Location	☐ Comp Grab		Collection (comp begin or grab)	Time	1200	Composite end	Eastern	Central	Date	Time	Bottle Group(s)
Field ID	☒ Grab		Date	5/23/18	Time	1200	☒ Diss. Oxygen	☒ mg/L	Total Res. Chlorine		
WIN/ST	Matrix (type, e.g., Salt, Fresh, etc)		Fresh		5.41		☒ % sat			A	
Latitude	Temp (C)		23.0	pH	4.30	Sample Depth	0.25	ft	Sp. Conductance (umho/cm)	69	
	☐ dd ☐ dms		Salinity (ppt)	0.03	Comments						
Location	☐ Comp Grab		Collection (comp begin or grab)	Time	1305	Composite end	Eastern	Central	Date	Time	Bottle Group(s)
Field ID	☒ Grab		Date	5/23/18	Time	1305	☒ Diss. Oxygen	☒ mg/L	Total Res. Chlorine		
WIN/STORET #	Matrix (type, e.g., Salt, Fresh, etc)		Fresh		7.85		☒ % sat			A	
Latitude	Temp (C)		28.5	pH	8.08	Sample Depth	0.3	ft	Sp. Conductance (umho/cm)	137	
	☐ dd ☐ dms		Salinity (ppt)	0.06	Comments						
Location	☐ Comp Grab		Collection (comp begin or grab)	Time		Composite end	Eastern	Central	Date	Time	Bottle Group(s)
Field ID	☐ Matrix (type, e.g., Salt, Fresh, etc)						☐ Diss. Oxygen	☐ mg/L	Total Res. Chlorine		
WIN/STORET #	Temp (C)						☐ % sat				
Latitude	☐ dd ☐ dms		Longtitude								
Location	☐ Comp Grab		Collection (comp begin or grab)	Time		Composite end	Eastern	Central	Date	Time	Bottle Group(s)
Field ID	☐ Matrix (type, e.g., Salt, Fresh, etc)						☐ Diss. Oxygen	☐ mg/L	Total Res. Chlorine		
WIN/STORET #	Temp (C)						☐ % sat				
Latitude	☐ dd ☐ dms		Longtitude								

Relinquished By: JB, JW	Date/Time: 5/23/18:45	Shipping Method: HD	Number of Coolers Shipped: 1	Received By: Tyler	Date/Time: 6/22/18 3:04
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Group:	A	Bottle Type:	P-1L	# of Bottles: 25	Preservative:	ICE	Enter Number of Bottles Sent to Lab
		ALKALINITY					<u>4</u> <u>3</u>
		TURBIDITY					
		W-CL-IC					
		W-COLOR					
		W-F					
		W-SO4-IC					
		W-TDS					
		W-TSS					
Group:	A	Bottle Type:	BP-1L	# of Bottles: 25	Preservative:	ICE	<u>4</u> <u>3</u>
		CHLSUITE-W					
Group:	A	Bottle Type:	P-250ML-WO-THI	# of Bottles: 25	Preservative:	ICE	<u>3</u> <u>2</u>
		ECOLI-18QT					
Group:	A	Bottle Type:	P-500ML	# of Bottles: 25	Preservative:	ICE And H2SO4	<u>4</u> <u>3</u>
		W-NH3					
		W-NO2NO3					
		W-S-A-TP					
		W-TKN					
		W-TOC					
					H2SO4 LOT# S08085176 EXP: 03/26/19		
Group:	A	Bottle Type:	P-125ML	# of Bottles: 25	Preservative:	FILTER-ICE	<u>4</u> <u>3</u>
		W-PO4-F					

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: ProDSS

RQ:

Project: SMP2018

- 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 4/17

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.	J. Burckett	5/23/18	406	22.3	8.69	8.70	8100	-	1.07	P/F	L/F
ICV	✓	✓	416	21.3	8.86	8.87	100	-	-	P/F	L/F
CCV	✓	✓	1501	26.4	8.00	8.00	100	-	-	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.	J. Burckett	5/23/18	408	180403A	04/19	1000	1000	P/F	L/F
ICV	✓	✓	414	2802833	01/20	100	101	P/F	L/F
CCV	✓	✓	1503	2802833	01/20	100	101	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	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	J. Burckett	5/23/18	410	171121A	01/19	7.0	7.0	-23.2	P/F	L/F
Calibr.	✓	✓	412	180116D	06/19	4.0	4.0	131.9	P/F	L/F
Calibr.	✓	✓	414	1802216	09/19	10.0	10.0	-170.5	P/F	L/F
ICV	✓	✓	420	1802216	09/19	10.0	10.0	-170.4	P/F	L/F
CCV	✓	✓	1505	180116D	06/19	4.0	4.0	132.3	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 10 147.3, slope from 4 to 7 155.1 (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 4/17

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: