



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?
Yes / No

WIN Station Name: Mearson Spring

Date: 10-24-2018
(mm/dd/yyyy)

WIN/ Field ID: G1TLHR0025

WBID: 3422P

Latitude: 30.04128

(Decimal Degrees)

County: Lafayette

ORG ID: 21FLTLHR

Longitude: 83.02511

(Decimal Degrees)

Receiving Body of Water: Suwannee River

RQ-2018- 10-08-15

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment						
Chris Green Mike Eckles						☒	☒	☒	☒	☒	☒ Sample Container	☐ Van Dorn	☐ Pole				
											☐ Carboy	☒ Syringe					
											☐ Dipper	☐ Other					
Depth Measured with						Sponser					Equipment ID			Collection Method			
						☒	☐	☐	☐	☐	☒ Wading	☐ Canoe/Kayak					
											☐ From Shore	☐ Electric Motor					
											☐ Other	☐ Gasoline Motor					
Water Level: Dry/ Pooled/ <u>Low</u> / Normal / High / Flooded						Meter ID# EXO 3				Matrix: <u>Fresh</u> / Marine / DI							
Photos: Yes ☒ No ☐						Flow: No Flow / Intertidal / <u>Flowing</u> / NA				Tide: Rising/ Falling/ Slack/ <u>NA</u>				Tide Times: High <u>Low</u>			
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	13:05	3.5	0.3	3.55	1.81	20.8	7.47	0.20	422	22.0							
CEN	13:10		3.0		1.85	21.2	7.47	0.20	422	22.0							
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				☒ <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											
Notes: A																	
Signature: <u>[Signature]</u> Date: 10-24-2018																	

Field/WIN ID →
Location ↓
G1TLHR0025
MEARSON SPRING

Enter Field Parameters, Verify Station ID In LIMS DMT:

10-30-18

(Initials/Date)

QC Station ID, Field Parameters In LIMS DMT:

(Initials/Date)

Scan/Save Field Sheets

10-30-18

(Initials/Date)

Migrate Data to WIN:

(Initials/Date)

Verify Data In WIN:

(Initials/Date)

Project ID: SMP

Field Report Prepared By:

Chris Green / Mike Eyles

Field ID	Field/WIN ID →		G1TLHR0036		Bottle Group(s) (See pg 2)	
WIN/STC	Location →		G1TLHR0036		A	
Latitude			G1TLHR0036			

Location		Comments	
☐ dms	☐ dms	(ppt)	0.22
Field/WIN ID →		Add ALGAL-ID	
Location →			
Field ID		Collection (comp begin or grab)	
WIN/ST		Comp	Date
Latitude		Grab	Time
		Matrix (type, e.g., Salt, Fresh, etc)	
		Diss. Oxygen	mg/L
		% sat	Total Res. Chlorine
		Temp	Sp. Conductance
		(C)	(umho/cm)
		Salinity	Sample Depth
		(ppt)	
		Comments	
		Bottle Group(s)	

Field ID		☐ Comp ☐ Grab		Collection (comp begin or grab)		Composite end		Bottle Group(s)
		Date	Time	Eastern Central	Date	Time		
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)
Latitude		Temp (C)	pH	Sample Depth		☐ ft ☐ m		Sp. Conductance (umho/cm)
Longitude		☐ dd ☐ 44						

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

Relinquished By: <i>C. Green</i>	Date/Time <i>10/24/18</i>	Shipping Method <i>Hand</i>	Number of Coolers Shipped: <i>1</i>	Received By: <i>[Signature]</i>	Date/Time <i>10/24/18 1617</i>
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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: EXO 3

RQ:

Project: SMP 2018

- 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 10/18

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.	Chris Green	10-24-18	8:00	20.9	760.2	8.93	8.94	100.0	1.85	1.01	P / F	L / F
ICV			8:25	19.8	—	9.12	9.05	99.3	—	—	P / F	L / F
CCV			16:50	21.8	—	8.77	8.69	99.0	—	—	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.	Chris Green	10-24-18	8:10	1800621C	7/19	1000	1000	P / F	L / F
ICV			8:23	1805F81	5/20	100	101	P / F	L / F
CCV			16:55	180221A	3/19	500	507	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.	Chris Green	10-24-18	8:13	180621E	1/20	7.02	20.0	7.17	57.2	P / F	L / F
Calibr.			8:16	180510B	5/19	4.00	19.1	3.94	122.2	P / F	L / F
Calibr.			8:19	180403D	10/19	10.07	18.9	10.03	211.1	P / F	L / F
ICV			8:21	11	11	10.00	18.8	10.02	—	P / F	L / F
CCV			16:58	180403B	5/19	4.00	19.9	3.99	—	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)

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: #1; Date of last verification: 10/18

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: