



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?
Yes / No

WIN Station Name: **Little Aucilla River at US221**

Date: **3/16/2019**
(mm/dd/yyyy)

WIN/ Field ID: **G1TLHR0099**

WBID: **3314**

Latitude:

(Decimal Degrees)

County: **MADISON**

ORG ID: **21FTLHR**

Longitude:

(Decimal Degrees)

Receiving Body of Water: **Aucilla River**

RQ- **2019-02-11-6**

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment									
<i>Jon Woods</i> <i>Paul Blair</i>					☒	☒	☒	☒	☒	☒ Sample Container	☒ Van Dorn	☐ Pole							
										☐ Carboy	☐ Syringe								
										☐ Dipper	☐ Other								
										Depth Measured with <i>YSI</i>									
					Equipment ID <i>153484</i>					Collection Method									
										☐ Wading	☐ Canoe/Kayak								
										☐ From Shore	☐ Electric Motor								
										☒ Other <i>Bridge</i>	☐ Gasoline Motor								
Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded					Meter ID# <i>153484</i>					Matrix: <u>fresh</u> Marine / DI									
Photos: Yes / <u>No</u>					Flow: No Flow / Intertidal / <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 (PPT)	Sp COND (µmhos/cm)	Temp. (C°)									
EST	<i>1300</i>	<i>1.6</i>	<i>0.3</i>		<i>4.25</i>	<i>42.1</i>	<i>3.98</i>	<i>0.02</i>	<i>43.6</i>	<i>14.9</i>									
CEN	<i>1305</i>		<i>1.1</i>			<i>4.00</i>	<i>39.6</i>	<i>3.86</i>	<i>0.02</i>	<i>43.6</i>	<i>14.9</i>								
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	<i>8344070</i>	<i>12/10/19</i>	☒ <2									
Metals		☒ W-ICPMS ☒ W-ICP					☒ Ice ☒ HNO3	<i>8344050</i>	<i>12/10/19</i>	☒ <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-BR-IC / 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-BacR ☐ PCR-GULL2 ☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD					☒ Ice												
Tracers		☒ W-E8321-DI ☒ W-E8321-MS					☒ Ice												
Pesticides		☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-E8321-DI ☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CARB-AA					☐ Ice												
Phytoplankton		☐ DTY-QN-C ☐ PKD-QN-C					☐ Ice												
Notes:																			
Place Label Here																			
Signature: <i>[Signature]</i> Date: <i>3/18/19</i>																			

LIMS EVENT ID: _____ WIN Import ID: _____

Enter Field Parameters, Verify Station ID In LIMS DMT: _____ (Initials/Date) QC Station ID, Field Parameters In LIMS DMT: _____ (Initials/Date)

Scan/Save Field Sheets _____ Migrate Data to WIN: _____ Verify Data In WIN: _____

(Initials/Date) (Initials/Date) (Initials/Date)

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Customer: TLH-ROC

Requester: Michael Eckles

Project ID: SMP

Collected By: J. Woods / P. BlairField Report Prepared By: J. WoodsSampling Agency: 8034

Location		Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field II	Location	Comp Grab	Date	Time	Diss. Oxygen	mg/L	% sat	Time	B
WIN/S	Sugar Creek @ Suwannee River		3/18/19	1140	10.47				
Latitude		Temp (C)	13.7	pH	7.66	Sample Depth	0.15	Sp. Conductance (umho/cm)	
Location		Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field II	Location	Comp Grab	Date	Time	Diss. Oxygen	mg/L	% sat	Time	A
WIN/S	LITTLE AUCILLA RVR @ US221		3/18/19		4.25				
Latitude		Temp (C)	14.9	pH	3.98	Sample Depth	0.3	Sp. Conductance (umho/cm)	
Location		Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field II	Location	Comp Grab	Date	Time	Diss. Oxygen	mg/L	% sat	Time	A
WIN/S	LITTLE AUCILLA RIVER		3/18/19	1330	5.43				
Latitude		Temp (C)	15.0	pH	3.71	Sample Depth	0.3	Sp. Conductance (umho/cm)	
Location		Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field II	Location	Comp Grab	Date	Time	Diss. Oxygen	mg/L	% sat	Time	C
WIN/S	Lexington Creek @ Timberlane Rd		3/18/19	1530	9.65				
Latitude		Temp (C)	16.1	pH	6.49	Sample Depth	0.15	Sp. Conductance (umho/cm)	

Relinquished By: <u>Woods</u>	Date/Time: <u>3/18/19 1608</u>	Shipping Method: <u>HO</u>	Number of Coolers Shipped: <u>2</u>	Received By: <u>[Signature]</u>	Date/Time: <u>3/18/19 1610</u>
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Group: A	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	CHLSUITE-W						
Group: A	Bottle Type:	P-250ML-WO-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	ECOLI-18QT						
Group: A	Bottle Type:	QPCR-P-500ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	PCR-FILTER						
Group: A	Bottle Type:	BG-500ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	W-E8321-DI						
	W-E8321-MS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	2
	W-ICP						
	W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	2
	W-PO4-F						
Group: B	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						

lot # 8344070
exp. 12/10/19

lot # 4344050
exp. 12/10/19

Group: B	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	/
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: B	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	/
	CHLSUITE-W						
Group: B	Bottle Type:	P-250ML-WO-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	/
	ECOLI-18QT						
Group: B	Bottle Type:	QPCR-P-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	/
	PCR-FILTER						
Group: B	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	/
	W-E8321-DI						
	W-E8321-MS						
Group: B	Bottle Type:	P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	ICE	Enter Number of Bottles Sent to Lab	/
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: B	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	/
	W-PO4-F						
Group: C	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	/
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: C	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	/

Group: C	Bottle Type: BP-1L	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
CHLSUITE-W					
Group: C	Bottle Type: P-250ML-WO-THI	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
ECOL-18QT					
Group: C	Bottle Type: QPCR-P-500ML	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
PCR-HF183					
Group: C	Bottle Type: BG-500ML	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
W-E8321-DI					
W-E8321-MS					
Group: C	Bottle Type: P-500ML	# of Bottles: 2	Preservative: HNO3	Enter Number of Bottles Sent to Lab	1
W-ICP					
W-ICPMS					
Group: C	Bottle Type: P-500ML	# of Bottles: 2	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	1
W-NH3					
W-NO2NO3					
W-S-A-TP					
W-TKN					
W-TOC					
Group: C	Bottle Type: P-125ML	# of Bottles: 2	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	1
W-PO4-F					
Group: D	Bottle Type: P-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	
ALKALINITY					
TURBIDITY					
W-CL-IC					
W-COLOR					
W-F					
W-SO4-IC					
W-TDS					
W-TSS					
Group: D	Bottle Type: BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	
CHLSUITE-W					
Group: D	Bottle Type: P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	

Group: D	Bottle Type:	P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NH3				
	W-NO2NO3				
	W-S-A-TP				
	W-TKN				
	W-TOC				

Group: D	Bottle Type:	P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab
	W-PO4-F				

Group: E	Bottle Type:	P-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
	ALKALINITY				
	TURBIDITY				
	W-CL-IC				
	W-COLOR				
	W-F				
	W-SO4-IC				
	W-TDS				
	W-TSS				

Group: E	Bottle Type:	P-250ML-WO-THI	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
	ECOLI-18QT				

Group: E	Bottle Type:	QPCR-P-500ML	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
	PCR-HF183				

Group: E	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
	W-E8321-DI				
	W-E8321-MS				

Group: E	Bottle Type:	P-500ML	# of Bottles: 1	Preservative: HNO3	Enter Number of Bottles Sent to Lab
	W-ICP				
	W-ICPMS				

Group: E	Bottle Type:	P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NH3				
	W-NO2NO3				
	W-S-A-TP				
	W-TKN				
	W-TOC				

Group: E	Bottle Type:	P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab
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W-PO4-F

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: 153484

RQ: 2019-02-11-C1

Project: SMP1903

- 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 12/31/18

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.	Don Woods	3/18/19	455	20.1	761.7	9.07	9.09	100.3	—	1.06	P/F	L/F
ICV	"	"	910	20.5	761.9	9.00	9.05	100.7	—	—	P/F	L/F
CCV	"	"	1535	15.2	763.4	10.11	10.18	101.0	—	—	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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Don Woods	3/18/19	856	180621C	7/2019	1000	1000	P/F	L/F
ICV	"	"	909	1805F81	5/2020	100	102.4	P/F	L/F
CCV	"	"	1537	180927E	10/2019	1000	996	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.	Don Woods	3/18/19	900	180403C	10/2019	7.02	20.3	7.02	-27.4	P/F	L/F
Calibr.	"	"	902	180621D	7/2019	4.00	20.3	4.00	145.3	P/F	L/F
Calibr.	"	"	906	180621F	1/2020	10.06	20.3	10.06	-194.6	P/F	L/F
ICV	"	"	908	"	"	10.0	20.3	10.03	-194.6	P/F	L/F
CCV	"	"		180927A	10/2019	4.0	20.7	4.09	141.1	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 10 167.2, slope from 4 to 7 12.7 (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: 1/9/19

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	Don Woods	3/18/19	902	0.00	0.00	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:

