



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes ☒ No ☐

WIN Station Name: Willacoochee Creek at 161

Date: 12/4/2019

WIN ID/ Field ID G1WA0087

WBID: 410

Latitude: 30.6374

(mm/dd/yyyy)

County: Gadsden

ORG ID: 21FLWQA

Longitude: -84.5008

(Decimal Degrees)

Receiving Body of Water: Little River

RQ - RQ-2019-11-11-19

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Duplicate Collection	Blank Collection
Avril Wood-McGrath		☒	☒	☒	☒	☒	☒	☒
Curtis Musson		☒	☒	☒	☒	☒	☒	☒

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☒ Syringe	
☐ Dipper	☐ Other	
Depth Measured with: meter stick		
Equipment ID		

Collection Method		
☒ Wading	☐ Canoe/Kayak	
☐ From Shore	☐ Electric Motor	
☐ Other	☐ Gasoline Motor	

Water Level: Dry/ Pooled/ Low/ ☒ Normal/ High/ Flooded	Meter ID# B10 #12	Matrix: ☒ Fresh/ Marine/ DI
Photos: Yes/ ☒ No	Flow: No Flow/ Intestinal/ ☒ Flowing/ NA	Tide: Rising/ Falling/ Slack/ ☒ NA
Tide Times: High		Low

Field Sample

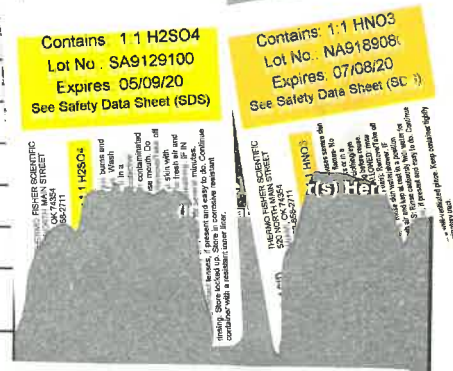
(Bracket Sample Time)

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	10:59	0.7	0.3	VOB	11.64	79.3	7.01	0.03	6.8	8.49
CEN										

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	SA9129100	5/20	<2
Metals	☒ W-ICPMS ☐ W-ICP	☒ Ice ☐ HNO3	NA9189080	7/20	<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-CHC / 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-E3821-MS ☐ W-E3821-DI	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-E3821-MS ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-E3821-DI ☐ W-CARB-AA	☐			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C	☐			



WIN ID / FILED ID

G1WA0087

Location

Willacoochee Creek at 161

QA/QC Sample Information

Duplicate

WIN ID ID

G1WA0087 DUP

Field ID

G1WA0087

Location

Willacoochee Creek at 161

Time Zone:

EST

CEN

Time:

11:13

File

WIN DMT Activity ID:

Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☒ H ₂ SO ₄	SA9129100	5/20	☒ < 2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO ₃	NA9189080	7/20	☒ < 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			
Microbiology	☒ E Coli ☐ F Coli ☐ Enterococci	☒ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD	☐ Ice			
Tracers	☐ W-E3821-MS ☐ W-E3821-DI	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-E3821-DI ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-E-3821-MS ☐ W-CARB-AA	☐ Ice			

Contains: 1:1 H2SO4
Lot No.: SA9129100
Expires: 05/09/20
See Safety Data Sheet (SDS)

Contains: 1:1 HNO3
Lot No.: NA9189080
Expires: 07/08/20
See Safety Data Sheet (SDS)

Blank

Time Zone:

EST

CEN

Time:

10:48

Field ID:

FB-1132019

(Blank Type_MMPPDYVV)

DI Source:

C-Building DI Tap

Location:

Willacoochee Creek

☒ Field Blank☐ Equipment Blank☐ Field Cleaned Equipment Blank

Equipment ID:

WIN DMT Blank Batch ID:

Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☒ H ₂ SO ₄	SA9129100	5/20	☒ < 2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO ₃	NA9189080	7/20	☒ < 2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ 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			
Tracers	☐ W-E3821-MS ☐ W-E3821-DI	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-E3821-DI ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-E3821-MS ☐ W-CARB-AA	☐ Ice ☐ Other			
Microbiology	☐ E.coli ☐ F. Coliform ☐ Enterococci				

Contains: 1:1 H2SO4
Lot No.: SA9129100
Expires: 05/09/20
See Safety Data Sheet (SDS)

Contains: 1:1 HNO3
Lot No.: NA9189080
Expires: 07/08/20
See Safety Data Sheet (SDS)

Notes:

FILED ID

FB-1132019

Location

Willacoochee Creek at 161

Signature:

Curtis Lutz

Date:

12/5/2019

LIMS EVENT ID:

WAS-SECT-2019-12-04-02

WIN Import ID:

Enter Field Parameters, Verify Station ID in LIMS DMT:

Cm 12.30.19

QC Station ID, Field Parameters in LIMS DMT:

Cm 1-2-2020

Scan/Save Field Sheets

Cm 1-2-2020

Migrate Data to WIN:

Verify Data in WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)

RQ-2019-11-11-19

RQ-2019-12-02-28

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: B6 #2

RQ:

Project: Smp

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

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.	Curtis Musson	12/4/19	702	20.11	760	8.915	9.08	100.0	81.9	-	0/F	0/F
ICV	Curtis Musson	12/4/19	704	20.07	760	9.074	9.04	99.6	81.9		0/F	0/F
CCV	Curtis Musson	12/4/19	1402	18.33	760	9.409	9.35	99.4	73.7		0/F	0/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.	Curtis Musson	12/4/19	707	190618F	6/2020	1000	1000	0/F	0/F
ICV	Curtis Musson	12/4/19	708	190618F	6/2020	1000	1001	0/F	0/F
CCV	Curtis Musson	12/4/19	1404	2908C81	Aug/2021	100	103	0/F	0/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.	Curtis Musson	12/4/19	713	190618B	12/2020	7.02	19.98	7.02	-28.0	0/F	0/F
Calibr.	Curtis Musson	12/4/19	716	190618D	12/2020	4.00	20.04	4.00	142.9	0/F	0/F
Calibr.	Curtis Musson	12/4/19	719	190618C	12/2020	10.04	20.06	10.04	144.2	0/F	0/F
ICV								10.04		P/F	L/F
ICV	Curtis Musson	12/4/19	722	190618C	12/2020	10.05	19.86	10.00	147.0	0/F	0/F
CCV	Curtis Musson	12/4/19	1405	190618D	12/2020	4.00	19.44	4.04	141.0	0/F	0/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: _____; 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	Curtis Musson	12/4/19	711	0.000	0.000	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:

Request Number: **RA-2010-12-02-28** *ANM*
Talquin Tribes **RQ-2019-11-11-19**

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Page 1 of 3
last revised Jan 25, 2018

Customer: **WAS-SECT**

Requester: **Curtis Musson**

Field Report Prepared By: **Anil Wood-McGath**

Project ID: **SMP**

Collected By: **Anil Wood-McGath, Curtis Musson**

Sampling Agency: **FDEP**

Location		WIN ID / FILED ID → G1WAO086		Collection (comp begin or grab) Date 12/4/19 Time 8:58		Composite end Date — Time —		Bottle Group(s) (See pg 2)	
Field ID		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 99.1		mg/L Total Res. Chlorine —			
WIN/STORET #		Temp (C) 9.58		pH 7.97		Sample Depth 0.3		ft Sp. Conductance (umho/cm) 84	
Latitude		Salinity (ppt) 0.04		Comments				A	
Location		dd dms							
Field ID		FILED ID → FB_11132019		Collection (comp begin or grab) Date 12/4/19 Time 10:48		Composite end Date — Time —		Bottle Group(s) (See pg 2)	
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc) Field blank		Diss. Oxygen —		mg/L Total Res. Chlorine —		B	
Latitude		Temp (C) —		pH —		Sample Depth —			
Location		Salinity (ppt) —		Comments					
Field ID		WIN ID / FILED ID → G1WAO087		Collection (comp begin or grab) Date 12/4/19 Time 10:59		Composite end Date — Time —		Bottle Group(s) (See pg 2)	
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 99.3		mg/L Total Res. Chlorine —		A	
Latitude		Temp (C) 8.49		pH 7.01		Sample Depth 0.3		ft Sp. Conductance (umho/cm) 68	
Location		Salinity (ppt) 0.03		Comments					
Field ID		WIN ID / FILED ID → G1WAO087 DUP Field ID ↑		Collection (comp begin or grab) Date 12/4/19 Time 11:13		Composite end Date — Time —		Bottle Group(s) (See pg 2)	
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen —		mg/L Total Res. Chlorine —		A	
Latitude		Temp (C) —		pH —		Sample Depth —			
Location		Salinity (ppt) —		Comments					

Relinquished By: **Anil Wood-McGath** Date/Time: **12/4/19 13:42** Shipping Method: **Hand Delivered**

Number of Coolers Shipped: **One**

Received By: **APB**

Date/Time: **12-4-19 13:42**

Group: A	Bottle Type:	P-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	CHLSUITE-W						
Group: A	Bottle Type:	P-120ML-WC-THI	# of Bottles: 12	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6
	ECOLI-18QT						
Group: A	Bottle Type:	P-500ML	# of Bottles: 6	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	3
	W-ICP						
	W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 6	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	3
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 6	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	3
	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						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						

Group: B	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
Group: B	Bottle Type: ECOLI-18QT	P-120ML-WC-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
Group: B	Bottle Type: W-ICP W-ICPMS	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4		Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	1