FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified? Yes / (No)

WIN Station Name: Little River at Highbridge Rd **Date:** 12/4/2019 (mm/dd/yyyy)

WIN ID/ Field ID G1WA0086 **WBID:** 424 **Latitude:** 30.51350 (Decimal Degrees)

County: Gadsden **ORG ID:** 21FLWQA **Longitude:** -84.52322 (Decimal Degrees)

Receiving Body of Water: lake Talquin **RQ -** RQ-2019-11-11-19

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

Sampling Equipment

- [x] Sample Container [ ] Van Dorn [ ] Pole
- [ ] Carboy [x] Syringe
- [ ] Dipper [ ] Other
- Depth Measured with: meter stick
- Equipment ID

Collection Method

- [x] Wading [ ] Canoe/Kayak
- [ ] From Shore [ ] Electric Motor
- [ ] Other [ ] Gasoline Motor

Water Level: Dry/ Pooled/ Low/ (Normal)/ High/ Flooded **Meter ID#** B10 #2 **Matrix:** (Fresh) / Marine / DI

Photos: Yes / (No) **Flow:** No Flow / Intestital / (Flowing) / NA **Tide:** Rising/ Falling/ Slack/ (NA) **Tide Times:** High — Low — (Bracket Sample Time)

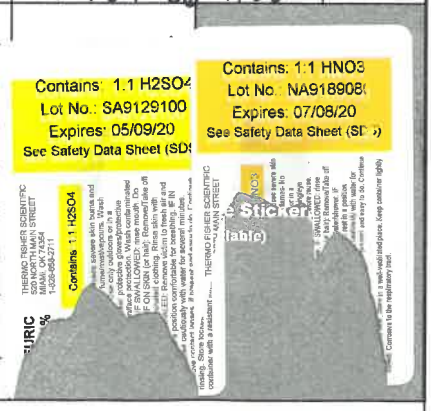
Field Sample

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)	8:58	1.2	0.3	0.95	11.07	99.1	7.97	0.04	84	9.58
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	[x] W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	[ ] Ice [x] H_2SO_4	SA9129100	5/20	[x] <2
Metals	[x] W-ICPMS [x] W-ICP	[ ] Ice [x] HNO_3	NA9189088	7/20	[x] <2
Filtered Nutrients	[x] W-PO4-F [x] Field Filtered 0.45 µm Filter	[ ] Ice			
Chlorophyll	[x] CHLSUITE-W	[ ] Ice			
Physical/Aggregate (Fresh)	[x] 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	[x] 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-E32821-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 → G1WA0086

Location Little River at Highbridge Road

QA/QC Sample Information

Duplicate

Time Zone: EST CEN **Time:** _____ **Field ID:** G1WA (WIN ID_DUP)

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_2SO_4			☐ < 2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO_3			☐ < 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			

Place Preservative Sticker(s) Here (If Available)

Blank

Time Zone: (EST) CEN **Time:** 10:48 **Field ID:** FB_11132019 (Blank Type_MMDDYYYY)

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_2SO_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 ☐ Entrococci				

Notes:

FILED ID → FB_11132019

Location → \Willacoochee Creek at 161

Signature: Curtis Mims **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 (Initials/Date) **QC Station ID, Field Parameters In LIMS DMT:** CM 1-2-2020 (Initials/Date)

Scan/Save Field Sheets CM 1-2-2020 (Initials/Date) **Migrate Data to WIN:** _____ (Initials/Date) **Verify Data In WIN:** _____ (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: Bio #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	-	P / F	P / F
ICV	Curtis Musson	12/4/19	704	20.07	760	9.074 cm 4.074	9.04	99.6	81.9		P / F	P / F
CCV	Curtis Musson	12/4/19	1402	18.33	760	9.409	9.35	99.4	73.7		P / F	P / 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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	Curtis Musson	12/4/19	707	190618F	6/2020	1000	1000	P / F	P / F
ICV	Curtis Musson	12/4/19	708	190618F	6/2020	1000	1001	P / F	P / F
CCV	Curtis Musson	12/4/19	1404	2908C81	Aug/2021	100	103	P / F	P / F
CCV								P / F	L / F

Conductivity Acceptance criteria ± 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	P / F	P / F
Calibr.	Curtis Musson	12/4/19	716	190618D	12/2020	4.00	20.04	4.00	142.9	P / F	P / F
Calibr.	Curtis Musson	12/4/19	719	190618C	12/2020	10.04	20.06	Touch cm 10.04	-199.2	P / F	P / F
ICV										P / F	L / F
ICV ~~CCV~~ CM	Curtis Musson	12/4/19	722	190618C	12/2020	10.05	19.86	10.00	-197.0	P / F	P / F
CCV	Curtis Musson	12/4/19	1405	190618D	12/2020	4.00	~~19.44~~ 19.6	4.04	141.0	P / F	P / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50; mV pH 4 Range +180 ± 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 ± 5 % or ± 0.05m, whichever is greater.

COMMENTS:

Request Number: ~~RQ-2019-12-02-26~~ AWM
Talquin Tribs RQ-2019-11-11-19

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: WAS-SECT
Project ID: SMP

Requester: Curtis Musson
Collected By: Amil Wood-McGrath, Curtis Musson
Field Report Prepared By: Amil Wood-McGrath
Sampling Agency: FDEP

Location / Field ID / WIN/STORET #	WIN ID / FILED ID: G1WA0086	Location: Little River at Highbridge Road	Latitude ☐dd ☐dms	Longitude ☐dd ☐dms	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 12/4/19 Time 8:58 Eastern Central	Composite end Date — Time —	Matrix (type, e.g., Salt, Fresh, etc): Fresh	Diss. Oxygen 99.1 ☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L) —	Temp (C) 9.58	pH 7.97	Sample Depth 0.3 ☐ ft ☒ m	Sp. Conductance (umho/cm) 84	Salinity (ppt) 0.04	Comments	Bottle Group(s) (See pg 2): A
Location / Field ID / WIN/STORET #	FILED ID: FB_11132019	Location: Willacoochee Creek at 161	Latitude ☐dd ☐dms		☒ Comp ☐ Grab	Collection (comp begin or grab) Date 12/4/19 Time 10:48 Eastern Central	Composite end Date — Time —	Matrix (type, e.g., Salt, Fresh, etc): Field blank	Diss. Oxygen — ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	Temp (C) —	pH —	Sample Depth — ☐ ft ☐ m	Sp. Conductance (umho/cm) —	Salinity (ppt) —	Comments	Bottle Group(s): B
Location / Field ID / WIN/STORET #	WIN ID / FILED ID: G1WA0087	Location: Willacoochee Creek at 161	Latitude ☐dd ☐dms	Longitude ☐dd ☐dms	☒ Comp ☐ Grab	Collection (comp begin or grab) Date 12/4/19 Time 10:59 Eastern Central	Composite end Date — Time —	Matrix (type, e.g., Salt, Fresh, etc): Fresh	Diss. Oxygen 99.3 ☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L) —	Temp (C) 8.49	pH 7.01	Sample Depth 0.3 ☐ ft ☒ m	Sp. Conductance (umho/cm) 68	Salinity (ppt) 0.03	Comments	Bottle Group(s): A
Location / Field ID / WIN/STORET / Latitude	WIN ID ID: G1WA0087_DUP Field ID: G1WA0087	Location: Willacoochee Creek at 161	☐dd ☒dms		☒ Comp ☐ Grab	Collection (comp begin or grab) Date 12/4/19 Time 11:13 Eastern Central	Composite end Date — Time —	Matrix (type, e.g., Salt, Fresh, etc): Fresh	Diss. Oxygen — ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	Temp (C) —	pH —	Sample Depth — ☐ ft ☐ m	Sp. Conductance (umho/cm) —	Salinity (ppt) —	Comments	Bottle Group(s): A

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Amil Wood-McGrath	12/4/19 13:42	Hand Delivered	One	ABP	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**	Ø
Group: B	Bottle Type: ECOLI-18QT	P-120ML-WC-THI	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	Ø
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