FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End of Day CCV (Yes / No) — Yes ✓

WIN Station Name: Richlander Creek at CR 65B **Date:** ~~1/28/2020~~ 2/5/2020 (mm/dd/yyyy) Aum

WIN/ Field ID: G1WA0093 ✓ **WBID:** 680 **Latitude:** 30.5228 (Decimal Degrees)

County: Gadsden **ORG ID:** 21FLWQA **Longitude:** -84.5544 (Decimal Degrees)

Receiving Body of Water: Lake Talquin **RQ-2020-** 01-27-10

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Avril Wood-McGrath	X		X	X	X
Blake Spencer		X			

Sampling Equipment

- [X] Sample Container
- [X] Syringe
- [ ] Dipper
- [ ] Van Dorn
- [ ] Pole
- [ ] Other
- Depth Measured with Water Stick
- Equipment ID

Collection Method

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

Water Level: Dry/ Pooled/ Low / (Normal) / High / Flooded

Meter ID# Biology #2

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

Biological Samples Collected: (None) HA SCI RPS Algae ID LVS LVI Other:

SBIO ID Numbers:	SBIO-ID:	HA-ID:	RPS-ID:	Macrophyte-ID:	LIMS#:

Notes:

Duplicate Sample

Time Zone: EST CEN **Time:** [redacted] **Field ID:** [redacted] (WIN ID_DUP)

WIN DMT Activity ID: [redacted]

Blank

Time Zone: EST CEN **Time:** [redacted] **Field ID:** [redacted] (Blank Type_DDMMYYYY)

DI Source: [redacted] **Location:** [redacted]

- [ ] Field Blank
- [ ] Equipment Blank
- [ ] Field Cleaned Equioment Blank

Equipment ID: [redacted]

LIMS EVENT ID: WMS-SECT-2020-02-05-01 **WIN Import ID:**

Enter Field Parameters, Verify Station ID In LIMS DMT: [redacted] 2/6/20 (Initials/Date) **QC Station ID, Field Parameters In LIMS DMT:** AM 2/17/2020 (Initials/Date)

Scan/Save Field Sheets (Initials/Date) **Migrate Data to WIN:** (Initials/Date) **Verify Data In WIN:** (Initials/Date)

Lab Page ____ of ____

RQ-2020- 01-27-10
Customer: WAS-SECT
Project ID: SMP

Collected By: Blake Spencer / Avril Wood-McGrath
Field Report Prepared By: Avril Wood - McGrath
Sampling Agency: FDEP

WIN ID / FILED ID → G1WA0093 ✓

Location: Richlander Creek at CR 65B

Comments:

Matrix: (Fresh) / Marine (Check one) ☒ GRAB ☐ COMPOSITE

Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPTh)
2/5/2020 ✓	10:14 ✓ (EST/CST)	10.13 ✓	99.1 ✓	14.44 ✓	6.90 ✓	0.15 ✓	☒ VOB (S)	0.3 ✓	59 ✓	0.03 ✓
	↑ Cental Lab please use top row for login purposes								↑	
	EST / CST	—	—	—	—	—	—		—	—

Parameter Suite	Parameter Methods	Preservation	pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (P-500ML)	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☒ H_2SO_4*	☒ <2	1	B
	Lot # SA9129100 Exp: 5/9/2020				
Metals (P-500ML)	☐ W-ICPMS ☐ W-ICP ☐ W-HARD	☐ Ice ☐ HNO_3*	☐ <2		
	Lot # Exp:				
Filtered Nutrients (P125ML)	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice		1	B
	Filter Lot # 16803085				
	Syringe Lot # 8054813				
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☒ Ice		1	B
Physical/Aggregate (Fresh) (P-1L)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	☒ Ice		1	B
Physical/Aggregate (Marine) (P-1L)	☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates (PJ-2L)	☐ MI-FW-QLDC	☐ Formalin			
Periphyton (PT-50ML)	☐ ALGAE-ID	☐ Ice			
Microbiology (Contract Lab Bottle)	☒ E.Coli ☐ F Coli ☐ Enterococci ☐ Contract Lab	☒ Ice		2	B
Molecular (QPCR-P-500ML)	☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD ☐ See Notes	☐ Ice			
Tracers (BG-500ML)	☐ W-E8321-DI ☐ W-E8321-MS	☐ Ice			
Pesticides (BG-500ML) (BG-1L)	☐ W-E8321-DI ☐ WE8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution)	☐ Ice			

Name: Avril Wood-McGrath
Signature:
Date: 2/5/2020

*2.0 ml of Preservative used unless noted otherwise.
**MCAA: Monochloroacetic acid buffer solution

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Strategic Monitoring Program

CHAIN OF CUSTODY FORM

Date: 2/5/2020

Collected By: Blake Spencer, Avril Wood-McGrath

Customer: WAS-SECT

Sampling Agency: FDEP

RQ - 2020 – 01-27-10

Project ID: SMP

Number of Coolers Shipped: 1

PLEASE RETURN THE ORIGINAL OF THIS FORM WITH SAMPLE SUBMITTAL FORMS AND THE COOLER PACKING WORKSHEET TO THE LAB.

FIELD ID (Labels) submitted under this RQ for this collection date.

WIN ID / FILED ID → G1WA0086

Location: Little River at Highbridge Road

WIN ID / FILED ID → G1WA0075

Location: Lewis Creek Upstream of 157

WIN ID / FILED ID → G1WA0093

Location: Richlander Creek at CR 65B

WIN ID / FILED ID → G1WA0091

Location: Double Branch at CR159

RELINQUISHED BY (SIGNATURE): Avril Wood-McGrath DATE/TIME: 2/5/2020 13:54 ☒EST ☐CST

THIS SECTION IS TO BE COMPLETED BY THE LABORATORY

Received/ Inspected By (signature): _____

Received/ Inspected Date: 2/5/2020 Received/ Inspected Time: 1355 ☒EST ☐CST

Sample Receipt Temperature (Degrees Centigrade): _____

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: Biology #2 RQ- 2020-01-27-10 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.	Blake Spencer	2/5/20	0734	19.63	760	9.165	9.16	100.0	49.2	—	(P) / F	(L) F
ICV	Blake Spencer	2/5/20	0736	19.63	760	9.165	9.14	99.7	49.2	—	(P) F	(L) F
CCV	Blake Spencer	2/5/20	1413	19.75	760	9.129	8.84	96.9	46.1	—	(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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	Blake Spencer	2/5/20	0740	191120A	12/2020	1000	1000	(P) / F	(L) / F
ICV	Blake Spencer	2/5/20	0741	191120A	12/2020	1000	996	(P) / F	(L) F
CCV	Blake Spencer	2/5/20	1424	2908C81	08/2021	100	100	(P) F	(L) / 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.	Blake Spencer	2/5/20	0746	190610B	12/2020	7.02	19.88	7.02	-43.8	(P) F	(L) F
Calibr.	Blake Spencer	2/5/20	0751	191120A	06/2021	4.00	19.93	4.00	131.0	(P) F	(L) / F
Calibr.	Blake Spencer	2/5/20	0755	190618C	12/2020	10.05	19.90	10.05	-212.0	(P) / F	(L) / F
ICV	Blake Spencer	2/5/20	0756	190618C	12/2020	10.05	20.10	10.05	-212.2	(P) / F	(L) F
CCV	[illegible]	2/5/20	1427	191120A	06/2021	4.00	19.98	3.97	132.7	(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 ± 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						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:

Form effective August 1, 2018