



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End

of Day CCV

Yes / No

WIN Station Name: Double Branch at CR 159

Date: 1/26/2020 ^{AMM} 2/5/2020
(mm/dd/yyyy)

WIN/ Field ID: G1WA0091

WBID: 630

Latitude: 30.5502

(Decimal Degrees)

County: Gadsden

ORG ID: 21FLWQA

Longitude: -84.4265

(Decimal Degrees)

Receiving Body of Water: Ochlockonee River

RQ-2020- 01-27-10

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

Sampling Equipment	
☒ Sample Container	☐ Van Dorn
☒ Syringe	☐ Pole
☐ Dipper	☐ Other
Depth Measured with <u>meter stick</u>	
Equipment ID	
Collection Method	
☒ Wading	☐ Canoe/Kayak
☐ From Shore	☐ Electric Motor
☐ Other	☐ Gasoline Motor

Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded		Meter ID# <u>Biology# 2</u>	
Photos: Yes / No	Flow: No Flow / <u>Flowing</u> / NA	Tide: Rising/ Falling/ Slack/ <u>NA</u>	Tide Times: High <u> </u> Low <u> </u>
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#:
Notes:			

Duplicate Sample

Time Zone: EST CEN Time: Field ID: (WIN ID_DUP)

WIN DMT Activity ID:

Blank

Time Zone: EST CEN Time: Field ID: (Blank Type_DDMMYYYY)
DI Source: Location:
☐ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank
Equipment ID:

LIMS EVENT ID: WAS-SECT-2020-02-05-01

WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT: 400 2/6/20
(Initials/Date)

QC Station ID, Field Parameters In LIMS DMT: AMM 2/7/20
(Initials/Date)

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



RQ-2020- 01-27-10

Customer: WAS-SECT

Project ID: SMP

Collected By: Blake Spencer, Anil Wood-McGrathField Report Prepared By: Anil Wood-McGrathSampling Agency: FDEP

WIN ID / FILED ID →  G1WA0091 ✓							Comments:			
Location  Double Branch at CR159										
Matrix: <u>Fresh</u> / 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 ✓	11:14 ✓ (EST) / CST	9.33 ✓	92.9 ✓	15.20 ✓	6.05 ✓	0.1 ✓		0.2 ✓	53 ✓	0.02 ✓
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 ☒ H2SO4*	☒ <2	1	B	
		Lot #		SA9129100		Exp:		5/9/2020		
Metals (P-500ML)		☐ W-ICPMS ☐ W-ICP ☐ W-HARD				☐ Ice ☐ HNO3*	☐ <2			
		Lot #				Exp:				
Filtered Nutrients (P125ML)		☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter				☒ Ice		1	B	
		Filter Lot #		16803885						
		Syringe Lot #		8054013						
Chlorophyll (BP-1L)		☒ CHLSUITE-W				☒ Ice		1	B	
Physical/Aggregate (Fresh) (P-1L)		☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-S04-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				☒ Ice		2	B	
		☐ Contract Lab								
Molecular (QPCR-P-500ML)		☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3				☐ Ice				
		☐ PCR-GULL2 ☐ PCR-GFD ☐ See Notes								
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				☐ Ice				
		☐ W-PCL-SQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution)								
Name: <u>Anil Wood-McGrath</u>						Signature: 		Date: <u>2/5/2020</u>		

*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: 2/5/2020Collected By: Blake Spencer, Avril Wood-McGrathCustomer: WAS-SECTSampling Agency: FDEPRQ - 2020 - 01-27-10Project ID: SMPNumber 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 RoadWIN ID /
FILED ID →

G1WA0075

Location

Lewis Creek Upstream of 157WIN ID /
FILED ID →

G1WA0093

Location

Richlander Creek at CR 65BWIN ID /
FILED ID →

G1WA0091

Location

Double Branch at CR159

RELINQUISHED BY (SIGNATURE)

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: 2/5/2020Received/ 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 μ hos/cm	Meter Reading μ hos/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	998	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 $\pm 5\%$

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.	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	30.10	10.05	-212.2	P/F	L/F
CCV	Blake Spencer	2/5/20	1427	191120A	06/2021	4.00	19.96	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 $+180 \pm 50$; 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						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: