



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Wilson Mill Creek *upstream of SR 274*

Date: 02/27/2019

WIN/ Field ID: G2WA0020

WBID: 512

Latitude: 30.5777

(mm/dd/yyyy)

County: Calhoun

ORG ID: 21FLWQA

Longitude: -85.0591

(Decimal Degrees)

Receiving Body of Water: Graves Creek

RQ- 2019-02-25-48

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment						
Blake Spencer						X				☒ Sample Container	☐ Van Dorn	☐ Pole				
Avril Wood-McGrath								X	X	☐ Carboy	☒ Syringe					
Steve Cafone					X		X			☐ Dipper	☐ Other					
Water Level: Dry/ Pooled/ Low <u>Normal</u> / High / Flooded										Meter ID# <u>Biology #2</u>			Matrix: <u>Fresh</u> / Marine / DI			
Photos: <u>Yes</u> / No										Flow: No Flow / Intestinal <u>Flowing</u> / NA			Tide: Rising/ Falling/ Slack/ <u>NA</u>		Tide Times: High <u>NA</u> Low <u>NA</u>	
Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (umhos/cm)	Temp. (C°)						
EST	1:16	0.1	0.05	0.1	6.57	68.7	7.36	0.04	77	20.6						
CEN										17.52						
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#: <u>2065836</u>																
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	SA8274150	10/19	☒							
Metals	☒ W-ICPMS ☒ W-ICP					☒ Ice ☒ HNO3	NA8080079	3/19	☒							
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um Filter					☒ Ice	18027054									
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-Q-LDC					☐ Formalin										
Periphyton	☐ ALGAE-ID					☐ Ice										
Microbiology	☒ E Coli ☐ F Coli ☐ Enterococci					☒ Ice										
Molecular	☐ PCR-FILTER ☐ PCR-BacR ☐ PCR-GULL2					☐ Ice										
	☐ 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					☐ Ice										
	☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CARB-AA					☐ Ice										
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C					☐ Ice										
Notes: Nutrients Metals E. Coli																
Signature: <u>[Signature]</u> Date: <u>2/27/19</u>																
WIN ID / FILED ID G2WA0020 Location Wilson Mill Creek																

LIMS EVENT ID: WAS-SECT-2019-02-27-01

WIN Import ID: _____

Enter Field Parameters, Verify Station ID In LIMS DMT: 3/14/19

QC Station ID, Field Parameters In LIMS DMT: _____

Scan/Save Field Sheets

Migrate Data to WIN: _____

Verify Data in WIN: _____

(Initials/Date)

(Initials/Date)

(Initials/Date)

(Initials/Date)

Florida Department of Environmental Protection Central Laboratory Submittal Form

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Field Report Prepared By:

Avril Wood-McGrath

Collected By: Blake Spencer, Avril Wood-McGrath, Steve Colone

Sampling Agency:

FDEP

Location		WIN ID / FILED ID → 		☐ Comp	Collection (comp begin or grab)	☒ Grab	Date 2/27/19	Time 11:31	Eastern	Composite end	Bottle Group(s)
Field ID		G2WA0012		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine	A
WIN/STORET #		Location Stone Mill Creek Upstream of Dianna St.		Fresh		0.3		% sat		(mg/L)	
Latitude 30.1576447		Longitude -85.2305114		Temp (C) 17.99		pH 5.4		Sample Depth 0.3		Sp. Conductance (umho/cm) 43	
Location		WIN ID / FILED ID → 		☐ Comp	Collection (comp begin or grab)	☒ Grab	Date 2/27/19	Time 12:15	Eastern	Composite end	Bottle Group(s)
Field ID		G2WA0010		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine	B
WIN/STORET #		Location Big Branch Downstream of Road 5		Fresh		10.6		% sat		(mg/L)	
Latitude 30.15825339		Longitude -85.25200674		Temp (C) 17.35		pH 4.92		Sample Depth 0.15		Sp. Conductance (umho/cm) 28	
Location		WIN ID / FILED ID → 		☐ Comp	Collection (comp begin or grab)	☒ Grab	Date 2/27/19	Time 10:55	Eastern	Composite end	Bottle Group(s)
Field ID		G2WA0005		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine	C
WIN/STORET #		Location Coon Creek 100 meters upstream of CR 69		Fresh		—		% sat		(mg/L)	
Latitude 30.39283938		Longitude -85.06315982		Temp (C) —		pH —		Sample Depth 0.2		Sp. Conductance (umho/cm) —	
Location		WIN ID / FILED ID → 		☐ Comp	Collection (comp begin or grab)	☒ Grab	Date 2/27/19	Time 10:10	Eastern	Composite end	Bottle Group(s)
Field ID		G2WA0020		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine	A
WIN/STORET #		Location Wilson Mill Creek		Fresh		08.7		% sat		(mg/L)	
Latitude 30.5777		Longitude -85.591		Temp (C) 17.52		pH 7.36		Sample Depth 0.05		Sp. Conductance (umho/cm) 77	
Location		WIN ID / FILED ID → 		☐ Comp	Collection (comp begin or grab)	☒ Grab	Date 2/27/19	Time 10:10	Eastern	Composite end	Bottle Group(s)
Field ID		G2WA0020		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine	A
WIN/STORET #		Location Wilson Mill Creek		Fresh		08.7		% sat		(mg/L)	
Latitude 30.5777		Longitude -85.591		Temp (C) 17.52		pH 7.36		Sample Depth 0.05		Sp. Conductance (umho/cm) 77	
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WIN/STORET #		Location Wilson Mill Creek		Fresh		08.7		% sat		(mg/L)	
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Latitude 30.5777		Longitude -85.591		Temp (C) 17.52		pH 7.36		Sample Depth 0.05		Sp. Conductance (umho/cm) 77	

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
CORONC	2/27/19 1510	HAND	2	SR	2.27.19/15:18

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
CHL SUITE 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: BG-500ML	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab	6
W-CT-CI-R					
Group: A	Bottle Type: P-500ML	# of Bottles: 2	Preservative: HNO3	Enter Number of Bottles Sent to Lab	2
W-ICP W-ICPMS					
			HNO3 LOT# NA8880070 EXP: 03/21/19		
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					
			H2SO4 LOT# SA8274058 EXP: 10/01/2019		
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 W-COLOR W-F W-SO4-IC					

AWM 2/27/19

Group: B	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	W-TDS						
	W-TSS						
Group: B	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	CHLSUITE-W						
Group: B	Bottle Type:	P-250ML-WO-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	ECOLI-18QT						
Group: B	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	1
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
					H2SO4 LOT# SA8274050 EXP: 10/01/2019		
Group: B	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	1
	W-PO4-F						
Group: C	Bottle Type:	P-250ML-WO-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	ECOLI-18QT						

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there is qualified data on this page

Meter ID: Bio/ogv #2

RQ: 2019-02-25-48

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.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Blake Spencer	2/27/19	0735	20.12	9.074	9.07	132.0	67.6	—	P/F	L/F
ICV	Blake Spencer	2/27/19	0737	20.13	9.074	9.06	99.9	66.5	—	P/F	L/F
CCV	Blake Spencer	2/27/19	1442	19.31	9.220	9.41	102.0	59.4	—	P/F	L/F
CCV										P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

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.	Blake Spencer	2/27/19	0742	18022A	03/2019	500	500	P/F	L/F
ICV	Blake Spencer	2/27/19	0746	19022A	03/2019	500	500	P/F	L/F
CCV	Blake Spencer	2/27/19	1448	1805F81	05/2020	100	105	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	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Blake Spencer	2/27/19	0754	180403C	10/2019	7.0	7.00	-9.3	P/F	L/F
Calibr.		2/27/19	0800	180621D	7/2019	4.0	4.00	164.3	P/F	L/F
Calibr.		2/27/19	0804	180621F	01/2020	10.0	9.99	-13.4	P/F	L/F
ICV		2/27/19	0805	180621F	01/2020	10.0	9.99	-13.5	P/F	L/F
CCV	Blake Spencer	2/27/19	1454	180621D	07/2019	4.0	4.12	156.7	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)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth 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	Blake Spencer	2/27/19	0806	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: