



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Willson Mill Creek Upstream of 274

Date: 12/11/2019
(mm/dd/yyyy)

WIN/ Field ID: G2WA0020

WBID: 512

Latitude: 30.5777

(Decimal Degrees)

County: Calhoun

ORG ID: 21FLWQA

Longitude: -85.0591

(Decimal Degrees)

Receiving Body of Water: Graves Creek

RQ- 2019-12-02-28

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
Curtis Musson							X		X	X	☒ Sample Container	☐ Van Dorn	☐ Pole		
Blake Spencer						X		X			☐ 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# Biology #2			Matrix: Fresh / Marine / DI						
Photos: Yes / No		Flow: No Flow / Intestinal / Flowing NA				Tide: Rising/ Falling/ Slack/NA			Tide Times: High NA Low NA						
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	0847	0.2	0.1	VOB	9.33	91.8	7.48	0.04	92	14.44					
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		5/9/20		☒ <2			
Metals		☒ W-ICPMS ☒ W-ICP				☒ Ice ☒ HNO3		NA9189080		7/8/20		☒ <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-CI-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		☐ E Coli ☐ F Coli ☐ Enterococci				☐ Ice									
Molecular		☐ PCR-FILTER ☐ PCR-BacR ☐ PCR-GULL2 ☐ 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 ☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CARB-AA				☐ Ice									
Phytoplankton		☐ DTY-QN-C ☐ PKD-QN-C				☐ Ice									
Notes: Nutrients Metals Tracers						Place Label Here									
Signature: <i>Blake</i>						Date: 12/11/19									

LIMS EVENT ID: WAS-SFCT-2019-12-11-02

WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT: *BAR 12/17/19*

QC Station ID, Field Parameters In LIMS DMT: *Cm 12-30-2019*

Scan/Save Field Sheets *Cm 12/30/19* (Initials/Date)

Migrate Data to WIN:

Verify Data In WIN:

(Initials/Date)

(Initials/Date)

585 12/19/19
 RG-2019-11-04-27 2019-07-22-11
 RG-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: B10 #2

RQ-2019-11-04-27

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-E	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	12/11/19	703	19.35	760	9.202	9.21	100.0	74.7	-	☒ F	☒ F
ICV	Curtis Musson	12/11/19	705	19.36	760	9.202	9.20	99.9	74.7	-	☒ F	☒ F
CCV	Blake Spencer	12/11/19	1330	16.00	760	9.820	9.87	100.0	69.6	-	☒ F	☒ 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-E	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Curtis Musson	12/11/19	707	190618F	06/2020	1000	1000	☒ F	☒ F
ICV	Curtis Musson	12/11/19	708	190618F	06/2020	1000	999	☒ F	☒ F
CCV	Blake Spencer	12/11/19	1333	2904C81	08/2021	100	99	☒ F	☒ F
CCV								P / F	L / F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-E	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Curtis Musson	12/11/19	712	190618B	12/2020	7.02	20.48	7.02	-29.8	P / F	L / F
Calibr.	Curtis Musson	12/11/19	716	19120A	06/2021	4.00	20.45	4.00	142	☒ F	☒ F
Calibr.	Curtis Musson	12/11/19	719	190618C	12/2020	10.05	20.58	10.03	-199.6	☒ F	☒ F
ICV	Curtis Musson	12/11/19	721	190618C	12/2020	10.04	20.35	10.01	-198.5	☒ F	☒ F
CCV	Blake Spencer	12/11/19	1336	191120A	06/2021	5.00	20.45	4.07	138.4	☒ F	☒ F
CCV										P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ; mV pH 4 Range $\pm 180 \pm 50$; 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-E	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field
Pressure mode in air	Curtis Musson	12/11/19	710	0.00	0.00	☒ F	☒ F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS:

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By: Blake Spencer

Project ID: SMP

Collected By: Blake Spencer & Curtis Musson

Sampling Agency: FRED

Location		WIN ID / FILED ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	Location	Matrix (type, e.g., Salt, Fresh, etc)	Time	mg/L	Total Res. Chlorine (mg/L)	% sat	Sp. Conductance (umho/cm)	(See pg 2)	
WIN/STORET #	Wilson Mill Creek Upstream of SR 274	Temp (C)	pH	Diss. Oxygen	Sample Depth	ft	Sp. Conductance (umho/cm)	A	
Latitude	Longitude	Salinity (ppt)	Comments						
Field ID	Location	Matrix (type, e.g., Salt, Fresh, etc)	Time	mg/L	Total Res. Chlorine (mg/L)	% sat	Sp. Conductance (umho/cm)		
WIN/STORET #		Temp (C)	pH	Diss. Oxygen	Sample Depth	ft	Sp. Conductance (umho/cm)		
Latitude	Longitude	Salinity (ppt)	Comments						
Field ID	Location	Matrix (type, e.g., Salt, Fresh, etc)	Time	mg/L	Total Res. Chlorine (mg/L)	% sat	Sp. Conductance (umho/cm)		
WIN/STORET #		Temp (C)	pH	Diss. Oxygen	Sample Depth	ft	Sp. Conductance (umho/cm)		
Latitude	Longitude	Salinity (ppt)	Comments						

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Blake Spencer	12/11/19 1323	Hand Delivered	1	[Signature]	12/11/19 1323

Group: A	Bottle Type:	P-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ALKALINITY					
	TURBIDITY					
	W-CL-IC					
	W-COLOR					
	W-F					
	W-SO4-IC					
	W-TDS					
	W-TSS					
Group: A	Bottle Type:	BP-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	CHLSUITE-W					
Group: A	Bottle Type:	BG-500ML	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	W-E8321-DI					
	W-E8321-MS					
Group: A	Bottle Type:	P-500ML	# of Bottles: 5	Preservative:	HNO3	Enter Number of Bottles Sent to Lab
	W-ICP				HNO3	
	W-ICPMS				LOT# N49189080 F-EXP: 07/08/20	
Group: A	Bottle Type:	P-500ML	# of Bottles: 5	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NH3					
	W-NO2NO3				H2SO4	
	W-S-A-TP				LOT# SA9129100	
	W-TKN				EXP: 05/09/2020	
	W-TOC					
Group: A	Bottle Type:	P-125ML	# of Bottles: 5	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab
	W-PO4-F					
Group: B	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	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: W-E8321-DI W-E8321-MS	BG-500ML	# of Bottles: 1	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	0
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	0
Group: B	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	0

Cooler Packing Worksheet for Request: RQ-2019-12-02-28

Talquin Tribs

Ship Cooler On: 11/28/2019

Customer/Project: WAS-SECT/SMP

Assigned To: SHAIK_A

Requester: Curtis Musson

Priority: 3

850-245-8453

2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson

Comments:

No preservatives needed.

Group A: Nutrients, Metals, E. coli, tracers
4 sites + 1 DUP

Group B: Nutrients, Metals, E. coli, tracers
QC Blank

Packing Notes:

No FedEx labels

No trashbags

Requested Analyses:

Bottle Group: A

of Sites: 5

Container ID: P-1L

Qty: 5

Preservation: ICE

Lot # 55075290

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

W-SO4-IC

W-TDS

W-TSS

Description

Alkalinity in aqueous matrices as mg CaCO3/L

Turbidity in aqueous matrices

Chloride in aqueous matrices

True Color measured at 450 nm

Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Sulfate in aqueous matrices

Total Dissolved Solids in aqueous matrices

Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: BP-1L

Qty: 5

Preservation: ICE

Lot # 1259820

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: BG-500ML

Qty: 5 Preservation: ICE

Lot # 55072998

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-E8321-DI

W-E8321-MS

Description

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Container ID: P-500ML

Qty: 5 Preservation: HNO3

Lot # 55075720

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

Analysis

W-ICP

W-ICPMS

Description

Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Container ID: P-500ML

Qty: 5 Preservation: ICE And H2SO4

Lot # 55075720

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

Description

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 5 Preservation: FILTER-ICE

Lot # 55074430

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group: B

of Sites: 1

Container ID: P-1L

Qty: 1 Preservation: ICE

Lot # 55075290

Description: Plastic Bottle 1L

Analysis

ALKALINITY

Description

Alkalinity in aqueous matrices as mg CaCO3/L

TURBIDITY	Turbidity in aqueous matrices
W-CL-IC	Chloride in aqueous matrices
W-COLOR	True Color measured at 450 nm
W-F	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Sulfate in aqueous matrices
W-TDS	Total Dissolved Solids in aqueous matrices
W-TSS	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: BP-1L

Qty: 1 Preservation: ICE

Lot # 1259820

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: BG-500ML

Qty: 1 Preservation: ICE

Lot # 0072998

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-E8321-DI

W-E8321-MS

Description

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Container ID: P-500ML

Qty: 1 Preservation: HNO3

Lot # 00075720

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

Analysis

W-ICP

W-ICPMS

Description

Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Container ID: P-500ML

Qty: 1 Preservation: ICE And H2SO4

Lot # 00075720

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

Description

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 1 Preservation: FILTER-ICE

Lot # 80074438

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Cooler Packed By: ADP

Number of Coolers: 2

Date: 11-23-19

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle
- ☒ FedEx Bills, if applicable
- ☒ Plastic Bags/Zip Ties
- ☒ Acid Labels (sets of 24)

If Preservation Included:

ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2019-12-02-28