



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End
of Day CCV
Yes / No

WIN Station Name: Minnow Creek At Lovewood Rd **Date:** 11/16/2020✓
WIN/Field ID: G3WA0008✓ **WBID:** 130 **ENR:** **Latitude:** 30.83682
County: Jackson **Org ID:** 21FLWQA **Longitude:** -85.52943
Receiving Body of Water: Alligator Creek **RQ:** 2020-11-16-08

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
☒	Curtis Musson	x	x		x	x
☒	Avril Wood-McGrath			x		
☐						
☐						

Sampling Equipment	
☒ Sample Container	☐ Carboy
☐ Dipper	☐ Van Dorn
☒ Syringe	☐ Pole
Depth measured with: Meter	
Secchi Equipment ID:	
Collection Method	
☒ Wading	☐ Canoe/Kayak
☐ From Shore	☐ Electric Motor
☐ Other _____	☐ Gasoline Motor

Water Level: ☒ Normal ☐ Low ☐ High ☐ Dry ☐ Pooled ☐ Flooded						Meter ID# YSI 600XL –					
Photos: NO		Flow: FLOW		Tide:		Tide Times: High: Low:					
Biological Samples Collected: ☒ None ☐ HA ☐ SCI ☐ RPS ☐ Algae ID ☐ LVS ☐ LVI Other:											
SBIO ID Numbers:											
Notes:											

Duplicate Sample

Time Zone: EST	Time: N/A	Field ID: N/A	(WIN ID_DUP)
WIN DMT Activity ID: _____			

Blank

Time Zone: _____	Time: N/A	Field ID: N/A	(Blank Type_DDMMYYYY)
DI Source: N/A		Location: N/A	
DI Type: N/A		Equipment ID: N/A	

LIMS EVENT ID: WAS-SECT-2020-11-16-01 **WIN Import ID:** 21FLWQA_WAS-SECT-2020-11-16-01_03-05-2021.TXT
Enter Field Parameters, Verify Station ID In LIMS DMT: SBS 12/18/2020 **QC Station ID, Field Parameters In LIMS DMT:** AWM 12/28/2020 ✓
(Initials/Date) (Initials/Date)
Scan/Save Field Sheets _____ **Migrate Data to WIN:** DT 3/5/21 **Verify Data In WIN:** _____
(Initials/Date) (Initials/Date) (Initials/Date)



RQ-2020-11-16-08

Customer: WQAP

Project ID: SMP

Collected By: Curtis Musson, Avril Wood-McGrath

Field Report Prepared By: Curtis Musson

Sampling Agency: FDEP

Place Label Here

WIN ID/Field ID:



G3WA0008 ✓

Location: Minnow Creek At Lovewood Rd

Comments:

Matrix: Fresh

(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 (PPT) ✓
11/16/2020	09:28 EST	8.31 J	85.5 J	16.7	5.46	0.1	0.1 ☐ VOB (S)	0.2	55 J	0.03

Central Lab please use top row for login purposes

EST										
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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 Lot # Sa9354050 Exp: 12/20/20	☒ Ice ☒ H2SO4*	☒ <2	1	A
Metals (P-500ML)	☒ W-ICPMS ☒ W-ICP ☒ W-HARD Lot # Na9354060 Exp: 12/20/20	☒ Ice ☒ HNO3*	☒ <2	1	A
Filtered Nutrients (P125ML)	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter Filter Lot # 16930646 Syringe Lot # 9240133	☒ Ice		1	A
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☒ Ice		1	A
Physical/Aggregate (Fresh) (P-1L)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W-TDS	☒ Ice		1	A
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		1	A
Molecular (QPCR-P-500ML)	☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD	☐ Ice			
Tracers (BG-500ML)	☒ W-E8321-DI ☒ W-E8321-MS	☒ Ice		1	A
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			
		☐ Ice			

Name:
Curtis Musson
Avril Wood-McGrath

Signature:

Avril Wood-McGrath

Date:

11/16/20

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution

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: **B6 #2**

RQ: **2020-11-16-08**

Project: **Smp Alligator Creek**

- 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	DO meter mg/L	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Curtis Musson	11-16-2020	6:46	18.28		9.448	9.41	100.0	1002		P/F	L/F
ICV	Curtis Musson	11-16-2020	6:48	18.31		9.409	9.45	100.5	99.2		P/F	L/F
CCV	Curtis Musson	11-16-2020	1359	17.77		9.506	13.3	142	80.8		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.	Curtis Musson	11-16-2020	6:51	191120D	12/2020	1,000	999	P/F	L/F
ICV	Curtis Musson	11-16-2020	6:53	191120D	12/2020	1,000	1004	P/F	L/F
CCV	Curtis Musson	11-16-2020	1354	2911C93	1/2021	100	106	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.	Curtis Musson	11-16-2020	6:57	200407B	10/2021	7.02	20.24	7.02	-39.3	P/F	L/F
Calibr.	Curtis Musson	11-16-2020	7:00	200221B	9-2021	4.00	20.08	4.00	136	P/F	L/F
Calibr.	Curtis Musson	11-16-2020	7:03	191120C	6-2021	10.05	19.97	10.04	-21	P/F	L/F
ICV	Curtis Musson	11-16-2020	7:06	200221B	9-2021	4.00	20.21	4.02	134	P/F	L/F
CCV	Curtis Musson	11-16-2020	1357	200407B	10/2021	7.02	19.27	7.08	—	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	Curtis Musson	11-16-2020	6:54	0.0	0.0	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:

**Florida Department of Environmental Protection
Central Laboratory Submittal Form**

Customer: WAS-SECT

Project ID: SMP

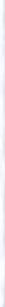
Requester: Curtis Musson

Field Report Prepared By:

Collected By: Curtis Musson, April Wood - McGloth

Sampling Agency:

Local Field	Location: Unnamed Creek At Woodrest Rd						Bottle Group(s)	
WIN#	WIN ID/Field ID: [Barcode] G3WA0010						(See pg 2)	
Latitude	[dd][dms]	Longitude	[dd][dms]	Comp	Collection (comp begin or grab)	Time	Composite end Date	Chlorine Time
				Grab	Date			
Location	Pine Barn Creek At Woodrest Rd							A
Field ID	G3WA0011			Matrix (type, e.g., Salt, Fresh, etc)	Fresh	Diss. Oxygen	mg/L Total Res. Chlorine	
WIN/STORE #	G3WA0011			Temp (C)	17.52	pH	5.10	
Latitude	[dd][dms]	Longitude	[dd][dms]	Salinity (ppt)	0.03	Comments		
Location	Alligator Creek at SR 273							A
Field ID	G3WA0005			Matrix (type, e.g., Salt, Fresh, etc)	Fresh	Diss. Oxygen	mg/L Total Res. Chlorine	
WIN/STORE #	G3WA0005			Temp (C)	17.31	pH	5.53	
Latitude	[dd][dms]	Longitude	[dd][dms]	Salinity (ppt)	0.03	Comments		
Location	Mingoy Creek At Lowwood Rd							A
Field ID	G3WA0008			Matrix (type, e.g., Salt, Fresh, etc)	Fresh	Diss. Oxygen	mg/L Total Res. Chlorine	
WIN/STORE #	G3WA0008			Temp (C)	16.70	pH	5.46	
Latitude	[dd][dms]	Longitude	[dd][dms]	Salinity (ppt)	0.03	Comments		

Relinquished By: Amil wood-McGrath	Date/Time 11/16/20 2:43	Shipping Method Hand Delivered	Number of Coolers Shipped: 2	Received By: 	Date/Time 11/16/20 1423
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Group: A	Bottle Type:	P-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	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	4
	CHLSUITE-W						
Group: A	Bottle Type:	P-250ML-WO-THI	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	ECOLI-18QT						
Group: A	Bottle Type:	BG-500ML	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	W-E8321-DI						
	W-E8321-MS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 6	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	4
	W-HARD						
	W-ICP						
	W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 6	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	4
	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	4
	W-PO4-F						

NA9354060

SA9354050

Cooler Packing Worksheet for Request: RQ-2020-11-16-08

Little River

Ship Cooler On: 11/12/2020

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, E. coli, Metals, Tracers x 6

Packing Notes:

No Fedex Labels

No Trash Bags

No Bubblewrap

Requested Analyses:

Bottle Group: A

of Sites: 6

Container ID: P-1L

Qty: 6

Preservation: ICE

Lot #

00078451

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 (not valid for NPDES monitoring)

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: 6

Preservation: ICE

Lot #

1269688

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-250ML-WO-THI

Qty: 6

Preservation: ICE

Lot # L19247

Description: 250 ml Sterilized no tablet

Analysis

ECOLI-18QT

Description

Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Container ID: BG-500ML

Qty: 6

Preservation: ICE

Lot # 00078033

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: 6

Preservation: HNO3

Lot # 00078385

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

Analysis

W-HARD

W-ICP

W-ICPMS

Description

Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3

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: 6

Preservation: ICE And H2SO4

Lot # 00078385

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: 6

Preservation: FILTER-ICE

Lot # 00078144

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Cooler Packed By: NTB

Number of Coolers: 2

Date: 11-12-20

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-2020-11-16-08