



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End

of Day CCV

Yes // No

WIN Station Name: Pine Barn Creek At Woodrest Rd

Date: 2/12/2020 ✓
(mm/dd/yyyy)

WIN/ Field ID: G3WA0011 ✓

WBID: 235

Latitude: 30.835698435

(Decimal Degrees)

County: Jackson

ORG ID: 21FLWQA

Longitude: -85.449092361

(Decimal Degrees)

Receiving Body of Water: Alligator Creek

RQ-2020- 02-10-09

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Curtis Musson	X	X		X	X
Evelyn Becerra			X		

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# Biology #2				
Photos: <u>Yes</u> / 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: <u>✓</u>	HA-ID: <u>✓</u>	RPS-ID: <u>✓</u>	Macrophyte-ID: <u>✓</u>	LIMS#:
Notes:					

Duplicate Sample

Time Zone: EST CEN Time: _____	Field ID: _____ (WIN ID_DUP)
WIN DMT Activity ID: _____	
NO DUP	

Blank

Time Zone: EST CEN Time: _____	Field ID: _____ (Blank Type_DDMMYYYY)	
DI Source: _____	Location: <u>NO Blank</u>	
☐ Field Blank	☐ Equipment Blank	☐ Field Cleaned Equipment Blank
Equipment ID: _____		

LIMS EVENT ID: WAS-SECT-2020-02-12-01

WIN Import ID: _____

Enter Field Parameters, Verify Station ID In LIMS DMT: APP 2/13/20
(Initials/Date)

QC Station ID, Field Parameters In LIMS DMT: APP 3/3/20
(Initials/Date)

Scan/Save Field Sheets _____
(Initials/Date)

Migrate Data to WIN: _____
(Initials/Date)

Verify Data In WIN: _____
(Initials/Date)

Contains: 1.1 H₂SO₄
Lot No: SA9203100
Expires: 07/22/20
See Safety Data Sheet: SDS,

**MCAA: Monochloroacetic acid buffer solution

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WAS-SECT
Project ID: NWCI

Requester: Curtis Musson
Collected By: Curtis Musson, Evelyn Beerna

Field Report Prepared By: Evelyn Beerna
Sampling Agency: FDEP

Location	WIN ID / FILED ID → G3WA0008 Mimow Creek At Lovewood Rd	Collection (comp begin or grab) Date 2/12/2020 Time 9:26	Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 69.4	Sp. Conductance 44	Chlorine -	Bottle Group(s) A
Latitude	☐ dd ☐ dms Longitude	Temp (C) 18.59	pH 5.35	Sample Depth 0.15	☐ ft ☒ m		
Location	WIN ID / FILED ID → G3WA0005 Alligator Creek Upstream Of Sr 273	Collection (comp begin or grab) Date 2/12/2020 Time 10:00	Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 63.5	Sp. Conductance 43	Chlorine -	Bottle Group(s) A
Latitude	☐ dd ☐ dms Longitude	Temp (C) 18.58	pH 5.39	Sample Depth 0.3	☐ ft ☒ m		
Location	WIN ID / FILED ID → G3WA0004 Alligator Creek upstream of Bentley Rd.	Collection (comp begin or grab) Date 2/12/2020 Time 10:37	Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 72.3	Sp. Conductance 50	Chlorine -	Bottle Group(s) B
Latitude	☐ dd ☐ dms Longitude	Temp (C) 19.14	pH 5.38	Sample Depth 0.3	☐ ft ☒ m		
Location	WIN ID / FILED ID → G3WA0006 Little Alligator Creek at SR 273	Collection (comp begin or grab) Date 2/12/2020 Time 11:11	Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 61.5	Sp. Conductance 52	Chlorine -	Bottle Group(s) B
Latitude	☐ dd ☐ dms Longitude	Temp (C) 19.80	pH 5.40	Sample Depth 0.3	☐ ft ☒ m		

Relinquished By: Evelyn Beerna	Date/Time: 2/12/2020 3:13 pm	Shipping Method: hand delivered	Number of Coolers Shipped: 4	Received By: [Signature]	Date/Time: 2/12/2020 1514
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Group: A	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: A	ALKALINITY					2
	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
Group: A	CHLSUITE-W					2
	ECOLI-18QT					
Group: A	Bottle Type:	P-250ML-WO-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
						2
Group: A	Bottle Type:	BG-500ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
						2
Group: A	Bottle Type:	W-E8321-DI				
	W-E8321-MS					
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	HNO3	Enter Number of Bottles Sent to Lab
						2
Group: A	Bottle Type:	W-ICP				
	W-ICPMS					
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab
						2
Group: A	Bottle Type:	W-NH3				
	W-NO2NO3					
	W-S-A-TP					
	W-TKN					
	W-TOC					
Group: A	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab
						2
Group: A	Bottle Type:	W-PO4-F				
Group: B	Bottle Type:	P-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab
						6
Group: B	ALKALINITY					
	TURBIDITY					
	W-CL-IC					
	W-COLOR					
	W-F					

Request Number: RQ-2020-02-10-09
NWQI - Alligator Creek

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WAS-SECT
Project ID: NWQI

Requester: Curtis Musson
Collected By: Curtis Musson, Evelyn Becerra

Field Report Prepared By: Evelyn Becerra
Sampling Agency: FD ETP

Location	Matrix (type, e.g., Salt, Fresh, etc)	Temp (C)	pH	Salinity (ppt)	Collection (comp begin or grab)	Time	Sample Depth	Diss. Oxygen	Sp. Conductance	Composite end	Time	Bottle Group(s)
Field Location: Scurlock Creek At Pilgrim Rd	Fresh	20.21	4.88	0.02	Comp	2/12/2020	11:49	70.2	0.15	37		B
WIN ID/Field ID: 												
Latitude: 												
Location: Pine Barn Creek At Woodrest Rd	Fresh	19.60	4.95	0.02	Comp	2/12/2020	12:10	68.1	0.3	48		B
WIN ID/Field ID: 												
Latitude: 												
Location: Unnamed Creek At Woodrest Rd	Fresh	20.32	4.44	0.02	Comp	2/12/2020	12:53	60.2	0.2	38		B
WIN ID/Field ID: 												
Latitude: 												
Location: Unnamed Creek At Palmview Rd	Fresh	20.95	5.13	0.02	Comp	2/12/2020	13:19	84.9	0.15	41		B
WIN ID/Field ID: 												
Latitude: 												

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
<u>Evelyn Becerra</u>	<u>2/12/2020 3:13 pm</u>	<u>hand delivered</u>	<u>4</u>		<u>2/12/2020 1514</u>

Group: A	Bottle Type:	P-1L	# of Bottles: 2	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: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	CHLSUITE-W					
Group: A	Bottle Type:	P-250ML-WO-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ECOLI-18QT					
Group: A	Bottle Type:	BG-500ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	W-E8321-DI					
	W-E8321-MS					
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	HNO3	Enter Number of Bottles Sent to Lab
	W-ICP					
	W-ICPMS					
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NH3					
	W-NO2NO3					
	W-S-A-TP					
	W-TKN					
	W-TOC					
Group: A	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab
	W-PO4-F					
Group: B	Bottle Type:	P-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ALKALINITY					
	TURBIDITY					
	W-CL-IC					
	W-COLOR					
	W-F					

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: **B#2** RQ: **2020-02-10-09** Project: **Smp M/Vgt**

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	DO	Temp	Baro	D.O.	D.O.	% DO	Probe	Probe	Pass	Lab
FT 1500	Calibr.	Date	Time	°C	mmHg	mg/L	mg/L	Charge	Gain	Field
	Curtis Mussen	2/12/20	7:05	20.12	760	9.074	9.07	100.2	74.7	Pass
	Curtis Mussen	2/12/20	7:06	20.10	760	9.074	9.08	100.2	74.7	Pass
	Curtis Mussen	2/12/20	15:29	12.31	760	8.693	8.71	100.2	76.8	Pass
CCV	Curtis Mussen	2/12/20								Pass

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.	Name	Date	Time	Lot #	Expir.	Standard	Meter	Pass	Lab
FT 1200	Calibr.	Date	Time	Lot #	Expir.	Standard	Reading	Reading	Field	Field
	Curtis Mussen	2/12/20	7:09	91120D	2/2020	1008	1008	1008	Pass	Field
	Curtis Mussen	2/12/20	7:11	91120D	12/2020	1000	1000	1000	Pass	Field
CCV	Curtis Mussen	2/12/20	15:31	298C81	8/2021	100	100	100	Pass	Field
CCV	Curtis Mussen	2/12/20							Pass	Field

Conductivity Acceptance criteria ± 5%

pH	Temp	pH	Buffer	Temp	Meter	Pass	Lab				
FT 1100	Date	Time	Lot #	Expir.	Date	Temp	Field				
	Curtis Mussen	2/12/20	7:17	90618B	12/2020	7.02	7.02	20.19	7.02	26.9	Pass
	Curtis Mussen	2/12/20	7:19	91120A	06/2021	4.0	20.38	4.00	14.66	14.66	Pass
	Curtis Mussen	2/12/20	7:22	90618C	12/2020	10.05	20.27	10.04	14.66	14.66	Pass
	Curtis Mussen	2/12/20	7:27	91120A	06/2021	4.00	20.3	4.00	14.66	14.66	Pass
CCV	Curtis Mussen	2/12/20	15:33	190618B	12/2020	7.02	20.33	7.19	34	34	Pass

ICV

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	Name	Date	Time	Calibrated	ICV Value	Pass	Lab
(Daily Calibration & ICV)				Value (0.00 or Offset), meters	meters	Fail	Field
	Curtis Mussen	2/12/20	7:12	0.000	0.000	Pass	Field
	Curtis Mussen	2/12/20	7:12	0.000	0.000	Pass	Field

COMMENTS:

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

Cooler Packing Worksheet for Request: RQ-2020-02-10-09

NWQI - Alligator Creek

Ship Cooler On: 2/6/2020

Customer/Project: WAS-SECT/NWQI

Assigned To: MCCOY_I

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 X 2

Group A: Minnow Creek & Alligator Creek Upstream Of SR 273

Group B: Nutrients, E. coli, Tracers x 6

Packing Notes:

No FedEx labels

No Trash Bags

No Bubblewrap

Requested Analyses:

Bottle Group: A

of Sites: 2

Container ID: P-1L

Qty: 2

Preservation: ICE

Lot # 00075290

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: 2

Preservation: ICE

Lot # 1763470

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: 2 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: 2 Preservation: ICE

Lot # 00075691

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: 2 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: 2 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: 2 Preservation: FILTER-ICE

Lot # 00075961

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: 6

Container ID: P-1L

Qty: 6 Preservation: ICE

Lot # 00075290

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 # 000 IM 2/3/20
1263470

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 # 00075651

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: 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

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

W-TKN
W-TOC

Total Kjeldahl Nitrogen in aqueous matrices
Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 6 Preservation: FILTER-ICE

Lot # 00075961

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Cooler Packed By: IM

Number of Coolers: 34

Date: 2/3/20

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-2020-02-10-09