



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End
of Day CCV
Yes / No

WIN Station Name: Alligator Creek Upstream Of SR 273

Date: 2/12/2020

(mm/dd/yyyy)

WIN/ Field ID: G3WA0005

WBID: 123

Latitude: 30.819

(Decimal Degrees)

County: Washington

ORG ID: 21FLWQA

Longitude: -85.5042

(Decimal Degrees)

Receiving Body of Water: Holmes Creek

RQ-2020- 02-10-09

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Curtis Musson	X	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 / Normal / High / Flooded

Meter ID# **Biology #2**

Photos: Yes / No

Flow: No Flow / Flowing / NA

Tide: Rising/ Falling/ Slack/ NA

Tide Times:
High Low

Biological Samples Collected: None HA SCI RPS Algae ID LVS LVI Other:

SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#:

Notes:



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_DMMYYYY)

DI Source:

Location:

No Blg

☐ 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: 2/13/20
(Initials/Date)

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

Scan/Save Field Sheets
(Initials/Date)

Migrate Data to WIN:
(Initials/Date)

Verify Data In WIN:
(Initials/Date)



RQ-2020- 02-10-09

Customer: WAS-SECT

Project ID: NWQI

Collected By: Evelyn Becerra, Curtis Musson

Field Report Prepared By: Evelyn Becerra

Sampling Agency: FDEP

Location: Alligator Creek Upstream Of Sr 273

WIN ID/Field ID:



G3WA0005 ✓

Comments:

Matrix: Fresh / 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)
2.12.2020	10:00	5.95	63.5	18.88	5.39	0.3	0.6	0.7	43	0.02
EST / CST										

Central Lab please use top row for login purposes

EST / CST										
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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 # SA9203100 Exp: 07/22/20	☒ Ice ☒ H2SO4* ☒ <2		1	A
Metals (P-500ML)	☒ W-ICPMS ☒ W-ICP ☐ W-HARD Lot # NA9189080 Exp: 07/08/20	☒ Ice ☒ HNO3* ☒ <2		1	A
Filtered Nutrients (P125ML)	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter Filter Lot # 16803885 Syringe Lot # 8054813	☒ Ice		1	A
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☒ Ice		1	A
Physical/Aggregate (Fresh) (P-1L)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / 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 ☐ See Notes	☐ Ice			
Tracers (BG-500ML)	☒ W-E8321-DI ☒ W-E8321-MS	☒ Ice		1	A
Pesticides (BG-500ML) (BG-1L)	☐ W-E8321-DI ☐ W-E8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution)	☐ Ice			

Name:

CUTIS MUSSON

Signature:

Date:

2/12/2020

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution

Florida Department of Environmental Protection Central Laboratory Submittal Form

Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By:

Project ID: NW01

Collected By: Curtis Musson, Evelyn Beerna

Sampling Agency:

F-DEP[illegible]

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	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	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	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: B	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					

last revised Jan 25, 2018

END

[illegible]

Date/Time

2/10/2011

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						

Group: B	Bottle Type: W-SO4-IC W-TDS W-TSS	P-1L	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab	6
Group: B	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab	6
Group: B	Bottle Type: ECOLI-18QT	P-250ML-WO-THI	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab	6
Group: B	Bottle Type: W-E8321-DI W-E8321-MS	BG-500ML	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab	6
Group: B	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 6	Preservative: ICE And H2SO4 H2SO4 LOT# SAS203100 EXP: 07/22/2020	Enter Number of Bottles Sent to Lab	6
Group: B	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 6	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	6

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/VST**

- 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	Temp	Baro	D.O.	D.O.	% DO	Probe	Probe	Pass	Lab
FT 1500	CT/ET	meter	Chart	mg/L	mg/L	Charge	Gain	/	/
Name	Date							Fail	Field
Calibr.	2/12/20	7:05	20.12	760	9.074	9.07	100.0	74.7	Pass
ICV	2/12/20	7:06	20.10	760	9.074	9.08	100.0	74.7	Pass
CCV	2/12/20	15:29	20.31	760	8.693	8.71	100.2	76.8	Pass
CCV	2/12/20	15:29	20.31	760	8.693	8.71	100.2	76.8	Pass
CCV	2/12/20	15:29	20.31	760	8.693	8.71	100.2	76.8	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	CT/ET						µmhos/cm	µmhos/cm	Fail	Field
Calibr.	2/12/20	7:09	9/12/20	1008	1008	1000	1000	1000	Pass	Field
ICV	2/12/20	7:11	9/12/20	1000	1000	1000	1000	1000	Pass	Field
CCV	2/12/20	15:31	2/9/20	1000	1000	1000	1000	1000	Pass	Field
CCV	2/12/20	15:31	2/9/20	1000	1000	1000	1000	1000	Pass	Field
CCV	2/12/20	15:31	2/9/20	1000	1000	1000	1000	1000	Pass	Field

Conductivity Acceptance criteria ± 5%

pH	Temp	pH	Temp	Buffer	Temp	Meter	Pass	Lab
FT 1100	CT-ET	Date	Expir.	SU	°C	reading	/	/
Name	Date	Time	Lot #				Fail	Field
Calibr.	2/12/20	7:17	9/06/18	7.02	20.19	7.02	-26.9	Pass
Calibr.	2/12/20	7:19	9/12/20	4.0	20.38	4.00	14.6	Pass
Calibr.	2/12/20	7:22	9/06/18	10.05	20.27	10.04	14.6	Pass
ICV	2/12/20	7:27	9/12/20	4.00	20.3	4.00	14.6	Pass
CCV	2/12/20	15:33	9/06/18	7.02	20.33	7.19	34	Pass
CCV	2/12/20	15:33	9/06/18	7.02	20.33	7.19	34	Pass
CCV	2/12/20	15:33	9/06/18	7.02	20.33	7.19	34	Pass

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
Pressure mode in air	Curtis M/S504	2/12/20	7:12	0.000	0.000	Pass	Field
						Fail	Field
						Pass	Field
						Fail	Field

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

COMMENTS:

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