



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End
of Day CCV
Yes / No

WIN Station Name: Unnamed Creek At Woodrest Rd

Date: 03/31/2020

WIN/ Field ID: G3WA0010

WBID: 262A

Latitude: 30.8069

(mm/dd/yyyy)

County: Jackson

ORG ID: 21FLWQA

Longitude: -85.4607

(Decimal Degrees)

Receiving Body of Water: Alligator Creek

RQ-2020- 03-16-22

(Decimal Degrees)

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Avril Wood-McGrath	☒	☒	☒	☒	☒
Evelyn Becerra	☒	☒	☒	☒	☒
	☐	☐	☐	☐	☐
	☐	☐	☐	☐	☐
	☐	☐	☐	☐	☐

Sampling Equipment	
☒ Sample Container	☐ Van Dorn
☒ Syringe <u>1/25/20</u>	☐ 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# <u>Biology #2</u>
Photos: Yes / <u>No</u>	Flow: No Flow / <u>Flowing</u> / NA
Tide: Rising/ Falling/ Slack/ <u>NA</u>	Tide Time: <u>High</u> / Low
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: <u>EST</u> CEN Time: <u> </u>	Field ID: <u> </u> (WIN ID_DUP)
WIN DMT Activity ID: <u> </u>	

Blank

Time Zone: <u>EST</u> CEN Time: <u> </u>	Field ID: <u> </u> (Blank Type_D0MMYYYY)
DI Source: <u> </u>	Location: <u> </u>
☐ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank	Equipment ID: <u> </u>

LIMS EVENT ID: WAS-SECT-2020-03-31-01 WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT: RRR 9/25/20 QC Station ID, Field Parameters In LIMS DMT:

(Initials/Date)

(Initials/Date)

Scan/Save Field Sheets SBS 10/5/2020 Migrate Data to WIN: Verify Data In WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)

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: Biology #2

RQ: 200-03-16-22

Project: SAFARI

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	Baro-meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Ami/Wood-McGuth	3/31/20	7:29	20.40		9.021	9.02	100.2			(P) F	(L) F
ICV	↓	3/31/20	7:30	20.40		9.021	9.02	100.2			(P) F	(L) F
CCV	↓	3/31/20	15:46	20.3		9.039	8.76	96.9			(P) F	(L) F
CCV		3/31/20	16:04	21.2		9.050	8.01	87.4			(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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	Ami/Wood-McGuth	3/31/20	7:41	191120D	12/20	1000	1000	(P) F	(L) F
ICV	↓	↓	7:49	2908C81	08/21	100	100	(P) F	(L) F
CCV	↓	↓	15:58	91120D	12/20	1000	963	(P) F	(L) F
CCV								P / F	L / F

Conductivity Acceptance criteria ± 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.	Ami/Wood-McGuth	3/31/20	7:53	190618B	12/20	7.02	20.71	7.00		(P) F	(L) F
Calibr.	↓	↓	7:55	20021A	9/21	4.00	20.9	3.95		(P) F	(L) F
Calibr.	↓	↓	7:57	191120C	6/24	10.05	20.07	10.05		(P) F	(L) F
ICV	↓	↓	15:50	191120C	6/24	10.05	20.85	10.05		(P) F	(L) F
CCV			15:50	20021A	9/21	4.00	20.54	4.20		(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 ± 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						P / F	L / F

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

COMMENTS:

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WAS-SECT

Requester: Curtis Musson

Project ID: NWQI

Collected By: Avril Wood-McGrath, Evelyn BecerraField Report Prepared By: Evelyn BecerraSampling Agency: FDEP

Location	Minnow Creek At Lovewood Rd										Bottle Group(s)
Field ID											(See pg 2)
WIN/STORE #	G3WA0008										A
Latitude	☐ dd ☐ dms Longitude ☐ dd ☐ dms Temp (C) 21.47 pH 5.03 Matrix (type, e.g., Salt, Fresh, etc) Fresh Collection (comp begin or grab) Date 03/31/2020 Time 0949 Diss. Oxygen 52.8 Sample Depth 0.1 Sp. Conductance (umho/cm) 59 Total Res. Chlorine (mg/L) - Composite end Date - Time - Eastern Central ☐ mg/L ☒ % sat										
Location	Alligator Creek Upstream Of Sr 273										Bottle Group(s)
Field ID											
WIN/STORE #	G3WA0005										A
Latitude	☐ dd ☐ dms Longitude ☐ dd ☐ dms Temp (C) 21.70 pH 5.75 Matrix (type, e.g., Salt, Fresh, etc) Fresh Collection (comp begin or grab) Date 03/31/2020 Time 1030 Diss. Oxygen 64.1 Sample Depth 0.2 Sp. Conductance (umho/cm) 65 Total Res. Chlorine (mg/L) - Composite end Date - Time - Eastern Central ☐ mg/L ☒ % sat										
Location	Alligator Creek Upstream Of Bentley Rd.										Bottle Group(s)
Field ID											
WIN/STORE #	G3WA0004										B
Latitude	☐ dd ☐ dms Longitude ☐ dd ☐ dms Temp (C) 21.03 pH 5.64 Matrix (type, e.g., Salt, Fresh, etc) Fresh Collection (comp begin or grab) Date 03/31/2020 Time 1101 Diss. Oxygen 63.3 Sample Depth 0.05 Sp. Conductance (umho/cm) 70 Total Res. Chlorine (mg/L) - Composite end Date - Time - Eastern Central ☐ mg/L ☒ % sat										
Location	Little Alligator Creek At SR 273										Bottle Group(s)
Field ID											
WIN/STORE #	G3WA0006										B
Latitude	☐ dd ☐ dms Longitude ☐ dd ☐ dms Temp (C) 22.06 pH 6.15 Matrix (type, e.g., Salt, Fresh, etc) Fresh Collection (comp begin or grab) Date 03/31/2020 Time 1145 Diss. Oxygen 61.2 Sample Depth 0.2 Sp. Conductance (umho/cm) 72 Total Res. Chlorine (mg/L) - Composite end Date - Time - Eastern Central ☐ mg/L ☒ % sat										

Relinquished By: Evelyn BecerraDate/Time: 3/31/2020 2:14Shipping Method: Hand DeliveryNumber of Coolers Shipped: 2Received By: HLDate/Time: 3-31-20 15:19

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WAS-SECT

Project ID: NWQI

Requester: Curtis Musson

Field Report Prepared By: Evelyn Belerra

Collected By: April Wood-McGrath, Evelyn Belerra

Sampling Agency: FDEP

Location		Scurlock Creek At Pilgrim Rd		WIN ID/Field ID:  G3WA0009		Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms		Location		Pine Barn Creek At Woodrest Rd		WIN ID/Field ID:  G3WA0011		Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms									
Field ID				Location: Scurlock Creek At Pilgrim Rd			WIN ID/Field ID:  G3WA0009			Location: Pine Barn Creek At Woodrest Rd			WIN ID/Field ID:  G3WA0011										
WIN/STORET #				Matrix (type, e.g., Salt, Fresh, etc)			Matrix (type, e.g., Salt, Fresh, etc)			Matrix (type, e.g., Salt, Fresh, etc)			Matrix (type, e.g., Salt, Fresh, etc)										
Temp (C)	21.00			pH			6.61			Temp (C)			21.61										
Salinity (ppt)	0.09			Comments						Salinity (ppt)			0.03										
Collection (comp begin or grab)		Date 3/31/2020 Time 12:03		Diss. Oxygen		19.5		Sample Depth		0.15		Collection (comp begin or grab)		Date 3/31/2020 Time 12:26		Diss. Oxygen		12.26		Sample Depth		0.15	
Total Res. Chlorine (mg/L)		-		Sp. Conductance (umho/cm)		187		Composite end Date		-		Total Res. Chlorine (mg/L)		-		Sp. Conductance (umho/cm)		58		Composite end Date		-	
Bottle Group(s) (See pg 2)		B		Bottle Group(s)		B		Bottle Group(s)		B		Bottle Group(s)		B		Bottle Group(s)		B		Bottle Group(s)		B	

Relinquished By: Evelyn Belerra	Date/Time: 3/31/2020 2:14	Shipping Method: Hand delivery	Number of Coolers Shipped: 2	Received By: HK	Date/Time: 3-31-20 / 15:19
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Group: A	Bottle Type: ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: A	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
Group: A	Bottle Type: ECOLI-18QT	P-250ML-WO-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: A	Bottle Type: W-E8321-DI W-E8321-MS	BG-500ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: A	Bottle Type: W-HARD W-ICP W-ICPMS	P-500ML	# of Bottles: 2	Preservative: HNO3 LOT# N49150080 F-Exp: 07/08/20	HNO3	Enter Number of Bottles Sent to Lab	2
Group: A	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 2	Preservative: H2SO4 LOT# SA9203100 EXP: 07/22/2020	ICE And H2SO4	Enter Number of Bottles Sent to Lab	
Group: A	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	0
Group: B	Bottle Type: ALKALINITY TURBIDITY W-CL-IC W-COLOR	P-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0

Group: B	Bottle Type:	P-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	W-F					0
	W-SO4-IC					
	W-TDS					
	W-TSS					
Group: B	Bottle Type:	BP-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	CHLSUITE-W					0
Group: B	Bottle Type:	P-250ML-WO-THI	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ECOLI-18QT					6
Group: B	Bottle Type:	BG-500ML	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	W-E8321-DI					6
	W-E8321-MS					
Group: B	Bottle Type:	P-500ML	# of Bottles: 6	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NH3					6
	W-NO2NO3					
	W-S-A-TP					
	W-TKN					
	W-TOC					
Group: B	Bottle Type:	P-125ML	# of Bottles: 6	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab
	W-PO4-F					0

Cooler Packing Worksheet for Request: RQ-2020-03-16-22

NWQI - Alligator Creek

Ship Cooler On: 3/13/2020

Customer Project: WAS-SECT NWQI

Assigned To: SHAKA A

Requester: Curtis Musson

Priority: 3

850-245-8453

2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson

Comments:

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 Bubble-wrap

1 - case of sulfuric acid, 1 set of labels

1 - case of nitric acid, 1 set of labels

Requested Analyses:

Bottle Group: A

of Sites: 2

Container ID: P-1L

Qty: 2 Preservation: ICE

Lot # 500.75-9181

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 # 1254820

Description: Brown Plastic Bottle 1L

Analysis

Description

Container ID: P-250ML-WO-THI

Qty: 2 Preservation: ICE

Lot # L19267

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 # 0076085

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 # 0076643

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: 2 Preservation: ICE And H2SO4

Lot # 0076643

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 # 0076001

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 # 50075981

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

W-SO4-IC

W-TDS

W-TSS

DescriptionAlkalinity 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 # 1259888

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 # 119267

Description: 250 ml Sterilized no tablet

Analysis

ECOLI-18QT

Description

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

Container ID: BG-500ML

Qty: 6 Preservation: ICE

Lot # 50076985

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 H₂SO₄Lot # 50076643

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

AnalysisDescription

W-NH3	Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 6 Preservation: FILTER-ICE

Lot # 9076001

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Cooler Packed By: _____ Number of Coolers: _____ Date: _____

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 <u>H25041-1</u>	Exp <u>12-20-20</u>	Lot # <u>SA935400</u>
ID <u>H25091-1</u>	Exp <u>12-20-20</u>	Lot # <u>NA935400</u>
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2020-03-16-22