



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: 6/28/2021

WIN/Field ID: G3WA0008

WBID: 130

ENR:

Latitude: 30.83682

County: JACKSON

Org ID: 21FLWQA

Longitude: -85.52943

Receiving Body of Water: Choctawhatchee - St. Andrew

RQ- 2021-05-24-02

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
☒ Caryn Crabb	☒	☒			
☒ Evelyn Becerra			☒		
☒ Blake Spencer				☒	☒
☐					

Sampling Equipment	
☒ Sample Container	☐ Carboy
☐ Dipper	☐ Van Dorn
☒ Syringe	☐ Pole
Depth measured with: MeterStick	
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# EXO #1	
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:	Field ID: N/A	(WIN ID_DUP)
WIN DMT Activity ID:			

Blank

Time Zone:	Time:	Field ID:	(Blank Type_DDDMMYYY)
DI Source:	Location:		
DI Type:	Equipment ID:		
DI Container (Name/ID):		DI Container Type:	

LIMS EVENT ID: WAS-SECT-2021-06-28-01

WIN Import ID: 21FLWQA_WAS-SECT-2021-06-28-01_07-29-2021.TXT

Enter Field Parameters, Verify Station ID In LIMS DMT: ESB 6/30/21

(Initials/Date)

QC Station ID, Field Parameters In LIMS DMT: CLC 7/26/2021

(Initials/Date)

Scan/Save Field Sheets ESB 6/30/21

(Initials/Date)

Migrate Data to WIN: DT 7/29/2021

(Initials/Date)

Verify Data In WIN:

(Initials/Date)



RQ-2021-05-24-02

Customer: WQAP

Project ID: SMP

Collected By: Caryn Crabb, Evelyn Becerra Blake Spencer

Field Report Prepared By: Caryn Crabb

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 _h)			
	1014 EST	6.68	80.1	24.45	6.29	0.15	0.3 ☒ VOB (S)	0.3	49	0.02			
6/28/2021							Central Lab please use top row for login purposes						
	EST												
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				☒ Ice ☒ H2SO4*		☒ <2	1	A			
		Lot #	SA0353110		Exp:	01/11/22							
Metals (P-500ML)		☒ W-ICPMS ☒ W-ICP ☒ W-HARD				☒ Ice ☒ HNO3*		☒ <2	1	A			
		Lot #	NA0344060		Exp:	01/04/22							
Filtered Nutrients (P125ML)		☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter				☒ Ice			1	A			
		Filter Lot #	16930646										
		Syringe Lot #	1091364										
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 Lot #			☐ 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							
Pesticides (BG-500ML) (BG-1L)		☐ W-E8321-DI	☐ WE8321-MS	☐ W-PSNP-TQ	☐ W-CT-CL-R	☐ Ice							
		☐ W-PCL-TQ-R	W-CARB-AA (5 ml of MCAA** Buffer Solution)										
Phytoplankton/Periphyton					DTY-QN-C PKD-QN-BV	☐ Ice							
Name: Caryn Crabb Evelyn Becerra Blake Spencer					Signature: <i>Evelyn Becerra</i>					Date: 6/28/21			

*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:

Evelyn Becerra

Project ID: SMP

Collected By:

Evelyn Becerra, Blake Spencer, Caryn Crabbe

FDEP

Sampling Agency:

Location		Minnow Creek at Lowwood Rd		☒ Comp		Collection (comp begin or grab)		☒ Grab		Date 6/28/21		Time 10:14		☒ Eastern		Composite end		Date		Time		Bottle Group(s)	
Field ID		G3WA0008		Matrix (type, e.g., Salt, Fresh, etc)		Fresh		Diss. Oxygen		80.1		☒ % sat (mg/L)		Total Res. Chlorine		-						(See pg 2)	
WINSTORET #		G3WA0008		Temp		24.45		pH		6.29		Sample Depth		0.15		☒ ft		Sp. Conductance (umho/cm)		49		A	
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt)		0.02		Comments											
Location		Alligator Creek upstream of SR 273		☒ Comp		Collection (comp begin or grab)		☒ Grab		Date 6/28/21		Time 10:54		☒ Eastern		Composite end		Date		Time		Bottle Group(s)	
Field ID		G3WA0005		Matrix (type, e.g., Salt, Fresh, etc)		Fresh		Diss. Oxygen		74.6		☒ % sat (mg/L)		Total Res. Chlorine		-						A	
WINSTORET #		G3WA0005		Temp		24.54		pH		5.95		Sample Depth		0.3		☒ ft		Sp. Conductance (umho/cm)		53		A	
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt)		0.02		Comments											
Location		Scurlock Creek at Pilgrim Rd		☒ Comp		Collection (comp begin or grab)		☒ Grab		Date 6/28/21		Time 11:44		☒ Eastern		Composite end		Date		Time		Bottle Group(s)	
Field ID		G3WA0009		Matrix (type, e.g., Salt, Fresh, etc)		Fresh		Diss. Oxygen		79.8		☒ % sat (mg/L)		Total Res. Chlorine		-						A	
WINSTORET #		G3WA0009		Temp		25.02		pH		5.04		Sample Depth		0.3		☒ ft		Sp. Conductance (umho/cm)		265		A	
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt)		0.01		Comments											
Location		Unnamed Creek at Woodrest Rd		☒ Comp		Collection (comp begin or grab)		☒ Grab		Date 6/28/21		Time 12:38		☒ Eastern		Composite end		Date		Time		Bottle Group(s)	
Field ID		G3WA0010		Matrix (type, e.g., Salt, Fresh, etc)		Fresh		Diss. Oxygen		77.8		☒ % sat (mg/L)		Total Res. Chlorine		-						A	
WINSTORET #		G3WA0010		Temp		25.35		pH		5.71		Sample Depth		0.3		☒ ft		Sp. Conductance (umho/cm)		44.9		A	
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt)		0.02		Comments											

Relinquished By:

Date/Time

Shipping Method

Number of Coolers Shipped:

Received By:

Date/Time

6/28/21

Hand delivery

2

IM

6/28/21 16:30

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: **EXO #1**

RQ: **2021-05-24-02**

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-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.	Evelyn Becerra	6/28/21	7:34	21.2	759.9	8.9	8.89	100.1	-	1.0825	P/F	L/F
ICV	Evelyn Becerra	6/28/21	7:37	21.25	760.0	8.9	8.90	100.3	-	-	P/F	L/F
CCV	Evelyn Becerra	6/28/21	15:52	24.5	759.3	8.3	8.47	101.5	-	-	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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Evelyn Becerra	6/28/21	7:41	201209H	12/2021	1000 1000	1000	P/F	L/F
ICV	Evelyn Becerra	6/28/21	7:47	2911C93	11/2021	100	100.8	P/F	L/F
CCV	Evelyn Becerra	6/28/21	15:55	201209H	12/2021	1000	999	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.	Evelyn Becerra	6/28/21	7:51	210513A	11/2022	7.02	21.2	7.02	-21.3	P/F	L/F
Calibr.	Evelyn Becerra	6/28/21	7:54	201112A	05/2022	4.00	21.4	4.00	149.7	P/F	L/F
Calibr.	Evelyn Becerra	6/28/21	8:00	200407A	10/2021	10.04	21.6	10.04	-184.3	P/F	L/F
ICV	Evelyn Becerra	6/28/21	8:03	201112A	05/2022	4.00	21.4	4.01	147.1	P/F	L/F
CCV	Evelyn Becerra	6/28/21	15:58	210513A	11/2022	7.02	21.4	7.03	-19.4	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	Evelyn Becerra	6/28/21	8:05	0.00	6.00	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:

Cooler Packing Worksheet for Request: RQ-2021-05-24-02

Alligator Creek

Ship Cooler On: 5/20/2021

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 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 # 50080607

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 # 1293139

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 # 621084

Description: 250 ml Sterilized no tablet

Analysis

ECOLI-18QT

Description

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

Container ID: P-500ML

Qty: 6 Preservation: HNO3

Lot # 0079760

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 # 0079760

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 # 0080323

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Cooler Packed By:

ARJ

Number of Coolers:

2

Date:

5-17-21

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-2021-05-24-02