



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

June 2016

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Data Qualified?
Yes / No

STORET Station Name: Alligator Creek upstream of SR 273

Date: 06/16/2016

(mm/dd/yyyy)

STORET Station ID: G3WA0005

WBID: 123

Latitude: 30.819

(Decimal Degrees)

County: Washington

RQ - RQ-2016-06-06-57

ORG ID: 21FLWQA

Longitude: -85.5042

(Decimal Degrees)

Receiving Body of Water: Holmes Creek

Field ID: G3WA0005

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
Curtis Musson <i>Will Lasker</i>				☒	☒	☒	☒	☒	☒ Sample Container	☐ Van Dorn	☐ Pole	
Justin Wallheiser				☐	☐	☐	☐	☐	☐ Carboy	☒ Syringe	☐ Other	
				☐	☐	☐	☐	☐	☐ Dipper	☐ Other		
				☐	☐	☐	☐	☐	Equipment ID			
				☐	☐	☐	☐	☐	Collection Method			
				☒ Wading				☐ Via Boat				
				☐ From Shore				☐ Canoe/Kayak				
				☐ Other (note below)				☐ Electric Motor				
							☐ Gasoline Motor					
Water Level: Dry / Low / <u>Normal</u> / High / Flooded				Matrix: <u>Fresh</u> / Marine / DI				Tide Falling: Yes / <u>No</u> / <u>NA</u>				
Meter ID# Biology 2				Photos: Yes / <u>No</u>								
Time Zone	Time	Sample Depth (m)	Total Depth (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (ppt)	Secchi Disk (m)	Sp COND (µmhos/cm)	Temp. (C°)		
<u>EST</u>	<u>1010</u>	<u>0.3</u>	<u>0.4</u>	<u>2.77</u>	<u>33.1</u>	<u>6.1</u>	<u>0.03</u>	<u>VOB</u>	<u>65</u>	<u>24.3</u>		
CEN	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>		
Biological Samples Collected: None HA SCI LVS <u>RPS</u> LVI Other												
Parameter Suite		Parameter Methods				Preservation		Acid Lot#	Expiration	pH Check		
Preserved Nutrients		☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				☒ Ice ☒ H2SO4		SA-5259020	09/16/2016	☒ <2		
Metals		☐ W-ICPMS ☐ W-ICP				☐ Ice ☐ HNO2				☐ <2		
Filtered Nutrients		☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter				☒ Ice		Contains 1:1 Sulfuric Acid SA-5259020 EXP: 09/16/16 Warning! See MSDS				
Chlorophyll		☒ CHLSUITE-W				☒ Ice						
BOD		☐ BOD-UNIN				☐ Ice						
Physical/Aggregate (Fresh)		☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-Cl / W-COLOR / W-SO4-IC / W-TDS				☒ Ice						
Physical/Aggregate (Marine)		☐ Alkalinity / W-F / W-TSS / TURBIDITY				☐ Ice						
Macroinvertebrates		☐ MI-FW-QLDC				☐ Formalin						
Microbiology		☐ E Coli ☐ F Coli ☐ Enterococcus ☐ QPCR				☐ Ice						
Periphyton		☒ ALGAE-ID				☒ Ice						
Pesticides		☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R				☐ Ice						
		☐ W-PC-AA-SF ☐ W-UHERB-AA ☐ W-GLYPH				☐ Other						

Notes: *Thin film of unknown substance on surface of water*
Turbid



G3WA0005

Alligator Creek upstream of SR 273

Signature:

Will Lasker

Date:

6-16-16

Field Parameters Entered into LIMS:

CM 6-20-16

(Initials/Date)

Field Parameters QC in LIMS:

CM 6-20-16

(Initials/Date)

Date Migrated to STORET:

(Initials/Date)

Field Sheets Scanned/Saved:

CM 6-20-16

(Initials/Date)

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there is qualified data on this name.

Meter Biology 2

RQ- RQ-2016-06-06-57

Project NWQI - Alligator

- Notes: (1) Numbers ≤ 4 , are rounded down; numbers ≥ 5 are rounded up (e.g., 5.15 becomes 5.2).
 (2) Always wait for meter to stabilize before recording any readings.
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site Lab Calibration

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 06/03/2016

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Lasley	6-16-16	07:47	22.6	8.64	8.39	97.0	58.4	-	P	Lab
ICV	Lasley	6-16-16	07:48	22.6	8.64	8.63	100.0	58.4	-	P	Lab
CCV	Lasley	6-16-16	07:49	22.7	8.63	8.64	100.1	57.4	-	P	Lab
CCV	Lasley	6-16-16	17:20	25.7	8.16	8.11	99.0	56.3	-	P	Lab

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.

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; 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.	Lasley	6-16-16	07:51	160330D	4/20/17	1000	1000	Pass	Lab
ICV	Lasley	6-16-16	07:53	160330D	4/20/17	1000	1000	Pass	Lab
CCV	Lasley	6-16-16	17:22	2601533	12/20/17	100	102	Pass	Lab
CCV									

Report specific conductance as a whole number with no decimal figure.

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Lasley	6-16-16	07:55	160330B	10/20/17	7.0	7.0	-15.2	P	L
Calibr.	Lasley	6-16-16	07:56	160330A	4/20/17	4.0	4.0	163.3	P	L
Calibr.	Lasley	6-16-16	07:57	160330C	4/20/17	10.0	10.0	-186.7	P	L
ICV	Lasley	6-16-16	07:58	160330B	10/20/17	7.0	7.1	-15.2	P	L
CCV	Lasley	6-16-16	17:23	160330B	10/20/17	7.0	7.1	-19.4	P	L
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU;

mV pH7 Range 0 ± 50 ;

mV pH 4 Range $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ;

Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Depth (Quarterly)

Date of Last Depth Verification _____

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air				0.000			

ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Alligator Creek, Scurlock Creek, Unnamed Creek, Pine
 Barn Creek and Gilberts Mill Creek

last revised Apr 7, 2016

Customer: WQAP

Requester: Benjamin Ralys

Field Report Prepared By: Justin Walkkiser

Project ID: SMP

Collected By: Justin Walkkiser/Will Lasley

Sampling Agency: WQAP

Location Alligator Creek upstream of SR 273		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 6/16/2016 Time 1010	Eastern Central	Composite end Date — Time —	Bottle Group(s) (See pg 2) A+B	
Field ID G3WA0005		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 2.77	☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L) —
STORET # G3WA0005		Temp (C) 24.3	pH 6.1	Sample Depth 0.3	☐ ft ☒ m		Sp. Conductance (umho/cm) 65
Latitude 30.819	☐ dd ☐ dms	Longitude -85.5042	☐ dd ☐ dms	Salinity (ppt) 0.03	Comments - Thin film on surface - Turbid		
Location Little Alligator Creek at SR 273		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 6/16/2016 Time 1133	Eastern Central	Composite end Date — Time —	Bottle Group(s) A	
Field ID G3WA0006		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 6.15	☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L) —
STORET # G3WA0006		Temp (C) 25.6	pH 6.7	Sample Depth 0.3	☐ ft ☒ m		Sp. Conductance (umho/cm) 87
Latitude 30.88823	☐ dd ☐ dms	Longitude -85.46802	☐ dd ☐ dms	Salinity (ppt) 0.04	Comments		
Location Alligator Creek upstream of Bentley Rd.		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 6/16/2016 Time 1204	Eastern Central	Composite end Date — Time —	Bottle Group(s) A	
Field ID G3WA0004		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 6.66	☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L) —
STORET # G3WA0004		Temp (C) 25.0	pH 6.7	Sample Depth 0.3	☐ ft ☒ m		Sp. Conductance (umho/cm) 83
Latitude 30.8735	☐ dd ☐ dms	Longitude -85.4923	☐ dd ☐ dms	Salinity (ppt) 0.04	Comments		
Location Scurlock Creek at Pilgrim Rd		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 6/16/2016 Time 1240	Eastern Central	Composite end Date — Time —	Bottle Group(s) A	
Field ID G3WA0009		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 3.63	☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L) —
STORET # G3WA0009		Temp (C) 25.8	pH 7.0	Sample Depth 0.35	☐ ft ☒ m		Sp. Conductance (umho/cm) 163
Latitude 30.8545	☐ dd ☐ dms	Longitude -85.4443	☐ dd ☐ dms	Salinity (ppt) 0.08	Comments		

Relinquished By:	Date/Time 6-16-16 5:15	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time 6/16/16 1715
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Request Number: RQ-2016-06-06-57

Florida Department of Environmental Protection

Central Laboratory Submittal Form

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Alligator Creek, Scurlock Creek, Unnamed Creek, Pine
Barn Creek and Gilberts Mill Creek

last revised Apr 7, 2016

Customer: WQAP

Requester: Benjamin Ralys

Field Report Prepared By: Justin Walker

Project ID: SMP

Collected By: Justin Walker/Will Lasley

Sampling Agency: WQAP

Location Pine Barn Creek at Woodcrest Rd		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 6/16/2016 Time 1420		☒ Eastern Central		Composite end Date — Time —		Bottle Group(s) (See pg 2)	
Field ID G3WA0011		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 5.78		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L) —		A	
STORET # G3WA0011		Temp (C) 27.6		pH 7.1		Sample Depth 0.25		☐ ft ☒ m			
Latitude 30.8358		☐ dd ☐ dms		Longitude -85.4488		☐ dd ☐ dms		Salinity (ppt) 0.05		Comments	
Location Unnamed Creek at Woodcrest Rd		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 6/16/2016 Time 1450		☒ Eastern Central		Composite end Date — Time —		Bottle Group(s)	
Field ID G3WA0010		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 1.89		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L) —		A	
STORET # G3WA0010		Temp (C) 25.8		pH 6.2		Sample Depth 0.3		☐ ft ☒ m			
Latitude 30.8069		☐ dd ☐ dms		Longitude -85.4607		☐ dd ☐ dms		Salinity (ppt) 0.03		Comments	
Location Gilberts Mill Creek at Aycock Rd		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 6/16/2016 Time 1518		☒ Eastern Central		Composite end Date — Time —		Bottle Group(s)	
Field ID G3WA0012		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 3.37		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L) —		A	
STORET # G3WA0012		Temp (C) 25.7		pH 6.6		Sample Depth 0.2		☐ ft ☒ m			
Latitude 30.7965		☐ dd ☐ dms		Longitude -85.4401		☐ dd ☐ dms		Salinity (ppt) 0.02		Comments	
Location		☐ Comp ☐ Grab		Collection (comp begin or grab) Date — Time —		☒ Eastern Central		Composite end Date — Time —		Bottle Group(s)	
Field ID		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)			
STORET #		Temp (C)		pH		Sample Depth		☐ ft ☐ m			
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt)		Comments	

Relinquished By: Will Lasley	Date/Time 6-16-16 5:15	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time 6/16/16/1715
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Container ID: P-500ML

Qty: 7 Preservation: ICE And H2SO4

Lot # 00064947

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: 7 Preservation: ICE-FLTR

Lot # 00064310

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: 1

Container ID: PT-50ML

Qty: 1 Preservation: ICE

Lot # 03715005

Description: Plastic Tube 50 mL

Analysis

ALGAL_ID

Description

Qualitative assessment of algal taxa present without counts

Cooler Packed By: Tyler Reynolds Date: 06/06/16
DEP Cooler ID #(s): 2 coolers

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle (1 per cooler)
- ☒ FedEx Bills, if applicable (1 per cooler)
- ☒ Plastic Bags
- ☒ Zip Ties

If Preservation Included:

ID _____	Lot # _____
ID _____	Lot # _____
ID _____	Lot # _____
ID _____	Lot # _____
ID _____	Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2016-06-06-57

Cooler Packing Worksheet for Request: RQ-2016-06-06-57
Alligator Creek, Scurlock Creek, Unnamed Creek, Pine Barn Creek and Gilberts Mill Creek

Ship Cooler On: 5/23/2016
Customer/Project: WQAP/SMP

Requester: Benjamin Ralys
Priority: 3

850-245-8443
2600 Blair Stone Rd
MS #3560
Tallahassee, FL 32399-2400
Attn: Benjamin Ralys

Comments:

No preservatives needed.

Bottle Group A: freshwater kit no metals

Bottle Group B: Algal

Requested Analyses:

Bottle Group: A

of Sites: 7

Container ID: P-1L

Qty: 7 Preservation: ICE

Lot # 66064935

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

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

Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Total Dissolved Solids in aqueous matrices

Total Suspended Solids in aqueous matrices

Container ID: BP-1L

Qty: 7 Preservation: ICE

Lot # ~~117053~~

Description: Brown Plastic Bottle 1L

1168614

Analysis

CHLSUITE-W

Description

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