



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

June 2016

PAGE 1 OF 6

Data Qualified?

Yes / No

STORET Station Name: Pine Barn Creek at Woodrest Rd

Date: 06/16/2016

(mm/dd/yyyy)

STORET Station ID: G3WA0011

WBID: 235

Latitude: 30.8358

(Decimal Degrees)

County: Jackson

RQ - RQ-2016-06-06-57

ORG ID: 21FLWQA

Longitude: -85.4488

(Decimal Degrees)

Receiving Body of Water: Holmes Creek

Field ID: G3WA0011

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Gurtis Musson										
Justin Wallheiser										

Sampling Equipment			
☒ Sample Container	☐ Van Dorn	☐ Pole	
☐ Carboy	☒ Syringe		
☐ Dipper	☐ Other		
Equipment ID			

Collection Method			
☒ Wading	☐ Via Boat		
☐ From Shore	☐ Canoe/Kayak		
☐ Other (note below)	☐ Electric Motor		
	☐ Gasoline Motor		

Water Level: Dry / Low / Normal / High / Flooded

Matrix: Fresh / Marine / DI

Meter ID# Biology 2

Photos: Yes / No

Tide Falling: Yes / No / NA

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°)
EST	1420	0.25	0.5	5.78	73.3	7.1	0.05	0.4	116	27.6
CEN	<u>1422</u>	0.4		5.33	67.5	7.0	0.05		118	<u>27.5</u>

Biological Samples Collected: None HA SCI LVS RPS 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 ☐ HNO3			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice			
Chlorophyll	☒ CHLSUITE-W	☒ Ice			
BOD	☐ BOD-UNIN	☐ Ice			
Physical/Aggregate (Fresh)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CI-IC / 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 ☐ Entero ☐ QPCR	☐ Ice			
Periphyton	☐ ALGAE-ID	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-PC-AA-SF ☐ W-UHERB-AA ☐ W-GLYPH	☐ Ice ☐ Other			

Contains 1:1 Sulfuric Acid SA-5259020 EXP: 09/16/16 Warning! See MSDS

Notes:



G3WA0011 June 2016

Pine Barn Creek at Woodrest Rd 6-16-16

Signature: [Signature]

Date: 6-16-16

Field Parameters Entered into LIMS:

(Initials/Date)

Field Parameters QC in LIMS:

Date Migrated to STORET:

(Initials/Date)

Field Sheets Scanned/Saved:

(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. <u>CCV</u>	<u>Lasley</u>	<u>6-16-16</u>	<u>0747</u>	<u>22.6</u>	<u>8.64</u>	<u>8.39</u>	<u>97.0</u>	<u>58.4</u>	<u>-</u>	<u>P</u>	<u>Lab</u>
<u>ICV</u>	<u>LAL</u>	<u>6-16-16</u>	<u>0748</u>	<u>22.6</u>	<u>8.64</u>	<u>8.63</u>	<u>100.0</u>	<u>58.4</u>	<u>-</u>	<u>P</u>	<u>Lab</u>
<u>CCV</u>	<u>Lasley</u>	<u>6-16-16</u>	<u>0749</u>	<u>22.7</u>	<u>8.63</u>	<u>8.64</u>	<u>100.1</u>	<u>57.4</u>	<u>-</u>	<u>P</u>	<u>Lab</u>
<u>CCV</u>	<u>Lasley</u>	<u>6-16-16</u>	<u>1720</u>	<u>25.7</u>	<u>8.16</u>	<u>8.11</u>	<u>99.0</u>	<u>56.3</u>	<u>-</u>	<u>P</u>	<u>Lab</u>

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 $\mu\text{mhos/cm}$	Meter Reading $\mu\text{mhos/cm}$	Pass / Fail	Lab / Field
Calibr.	<u>Lasley</u>	<u>6-16-16</u>	<u>0751</u>	<u>160330D</u>	<u>4/2017</u>	<u>1000</u>	<u>1000</u>	<u>Pass</u>	<u>Lab</u>
ICV	<u>Lasley</u>	<u>6-16-16</u>	<u>0753</u>	<u>160330D</u>	<u>4/2017</u>	<u>1000</u>	<u>1000</u>	<u>Pass</u>	<u>Lab</u>
CCV	<u>Lasley</u>	<u>6-16-16</u>	<u>1722</u>	<u>2601533</u>	<u>12/2017</u>	<u>100</u>	<u>102</u>	<u>Pass</u>	<u>Lab</u>
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.	<u>Lasley</u>	<u>6-16-16</u>	<u>0755</u>	<u>160330B</u>	<u>10/2017</u>	<u>7.0</u>	<u>7.0</u>	<u>-15.2</u>	<u>P</u>	<u>L</u>
Calibr.	<u>Lasley</u>	<u>6-16-16</u>	<u>0756</u>	<u>160330A</u>	<u>4/2017</u>	<u>4.0</u>	<u>4.0</u>	<u>163.3</u>	<u>P</u>	<u>L</u>
Calibr.	<u>Lasley</u>	<u>6-16-16</u>	<u>0757</u>	<u>160330C</u>	<u>4/2017</u>	<u>10.0</u>	<u>10.0</u>	<u>-186.7</u>	<u>P</u>	<u>L</u>
ICV	<u>Lasley</u>	<u>6-16-16</u>	<u>0758</u>	<u>160330B</u>	<u>10/2017</u>	<u>7.0</u>	<u>7.1</u>	<u>-15.2</u>	<u>P</u>	<u>L</u>
CCV	<u>Lasley</u>	<u>6-16-16</u>	<u>1723</u>	<u>160330B</u>	<u>10/2017</u>	<u>7.0</u>	<u>7.1</u>	<u>-19.4</u>	<u>P</u>	<u>L</u>
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 $\pm 0.05\text{m}$, whichever is greater

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

Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: WQAP

Requester: Benjamin Ralys

Field Report Prepared By: Susan Walker

Project ID: SMP

Collected By: Susan Walker/Wall Lister

Sampling Agency: WQAP

Location	Alligator Creek upstream of SR 223		☒ Comp	Collection (comp begin or grab)	☒ Grab	Date 6/16/2016	Time 1010	Central	Composite end	Date	Time	Bottle Group(s)
Field ID	G3WA0005		Matrix (type, e.g., Salt, Fresh, etc)	Fresh					Diss. Oxygen	2.77		(See pg 2)
STORET #	G3WA0005		Temp (C)	24.3	pH	6.1	Sample Depth	0.3	☒ ft	Sp. Conductance (umho/cm)	65	A+B
Latitude	30.819	☐ dd ☐ dms	Longitude	-85.5042	☐ dd ☐ dms	Comments - Thin film on surface - turbid						
Location	Little Alligator Creek at SR 223		☒ Comp	Collection (comp begin or grab)	☒ Grab	Date 6/16/2016	Time 1133	Central	Composite end	Date	Time	Bottle Group(s)
Field ID	G3WA0006		Matrix (type, e.g., Salt, Fresh, etc)	Fresh					Diss. Oxygen	6.15		
STORET #	G3WA0006		Temp (C)	25.6	pH	6.7	Sample Depth	0.3	☒ ft	Sp. Conductance (umho/cm)	87	A
Latitude	30.88823	☐ dd ☐ dms	Longitude	-85.46802	☐ dd ☐ dms	Comments						
Location	Alligator Creek upstream of Bentley Rd.		☒ Comp	Collection (comp begin or grab)	☒ Grab	Date 6/16/2016	Time 1204	Central	Composite end	Date	Time	Bottle Group(s)
Field ID	G3WA0004		Matrix (type, e.g., Salt, Fresh, etc)	Fresh					Diss. Oxygen	6.66		
STORET #	G3WA0004		Temp (C)	25.0	pH	6.7	Sample Depth	0.3	☒ ft	Sp. Conductance (umho/cm)	83	A
Latitude	30.8735	☐ dd ☐ dms	Longitude	-85.4923	☐ dd ☐ dms	Comments						
Location	Scurlock Creek at Pilgrim Rd		☒ Comp	Collection (comp begin or grab)	☒ Grab	Date 6/16/2016	Time 1240	Central	Composite end	Date	Time	Bottle Group(s)
Field ID	G3WA0009		Matrix (type, e.g., Salt, Fresh, etc)	Fresh					Diss. Oxygen	3.63		
STORET #	G3WA0009		Temp (C)	25.8	pH	7.0	Sample Depth	0.35	☒ ft	Sp. Conductance (umho/cm)	165	A
Latitude	30.8545	☐ dd ☐ dms	Longitude	-85.4443	☐ dd ☐ dms	Comments						

Relinquished By:

Date/Time

Shipping Method

Number of Coolers Shipped:

Received By:

Date/Time

6-16-16 5:15

6/16/16 1715

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

Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: WQAP

Requester: Benjamin Ralys

Field Report Prepared By:

Sustin Galkhiser

Project ID: SMP

Collected By:

Sustin Galkhiser/Will Wastley

Sampling Agency:

WQAP

Location		Pine Barn Creek at Woodrest Rd		☐ Comp ☒ Grab		Collection (comp begin or grab)		Date 6/16/2016 Time 1420		☒ Eastern ☐ Central		Composite end		Date — Time —		Bottle Group(s)	
Field ID		G3W40011		Matrix (type, e.g., Salt, Fresh, etc)		Fresh		Diss. Oxygen		5.78		☒ mg/L ☐ % sat (mg/L)		Total Res. Chlorine		—	
STORET #		G3W40011		Temp (C)		27.6		pH		7.1		Sample Depth		0.25		Sp. Conductance (umho/cm) 116	
Latitude		30.8358		☐ dd ☐ dms		Longitude		-85.4488		☐ dd ☐ dms		Salinity (ppt)		0.05		Comments	
Location		Unnamed Creek at Woodrest 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		G3W40010		Matrix (type, e.g., Salt, Fresh, etc)		Fresh		Diss. Oxygen		1.84		☒ mg/L ☐ % sat (mg/L)		Total Res. Chlorine		—	
STORET #		G3W40010		Temp (C)		25.8		pH		6.2		Sample Depth		0.3		Sp. Conductance (umho/cm) 714	
Latitude		30.8369		☐ dd ☐ dms		Longitude		-85.4609		☐ 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		G3W40012		Matrix (type, e.g., Salt, Fresh, etc)		Fresh		Diss. Oxygen		3.37		☒ mg/L ☐ % sat (mg/L)		Total Res. Chlorine		—	
STORET #		G3W40012		Temp (C)		25.7		pH		6.6		Sample Depth		0.2		Sp. Conductance (umho/cm) 56	
Latitude		30.8965		☐ 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	
Field ID				Matrix (type, e.g., Salt, Fresh, etc)		Fresh		Diss. Oxygen				☐ mg/L ☐ % sat (mg/L)		Total Res. Chlorine			
STORET #				Temp (C)				pH				Sample Depth				Sp. Conductance (umho/cm)	
Latitude				☐ dd ☐ dms		Longitude				☐ dd ☐ dms		Salinity (ppt)				Comments	

Relinquished By:

Date/Time

Shipping Method

Number of Coolers Shipped:

Received By:

Date/Time

6-16-16 5:15

6/16/2016 11:15

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

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 # _____

DEP Cooler ID #(s):

Cooler Packed By: Tyler Reynolds
2 coolers

Date: 05/06/16

Analysis
ALGAL ID

Description
Qualitative assessment of algal taxa present without counts

Description: Plastic Tube 50 mL

Container ID: PT-50ML

Qty: 1

Preservation: ICE

Lot #

03715083

Bottle Group: B

of Sites: 1

Analysis
W-PO4-F

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

Description: Plastic Bottle 125 mL

Container ID: P-125ML

Qty: 7

Preservation: ICE-FLTR

Lot #

00064310

Analysis
W-NH3

Description
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

Description: Plastic Bottle 500 mL

Container ID: P-500ML

Qty: 7

Preservation: ICE And H2SO4

Lot #

00064947

Affix YELLOW sulfuric acid dot to container.

Cooler Packing Worksheet for Request: RQ-2016-06-06-57
Alligator Creek, Scurlock 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 #

66069935

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 #

1168614

Description: Brown Plastic Bottle 1L

Analysis

CHL-SUITE-W

Description

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