



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

June 2016

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Data Qualified?

Yes / No

STORET Station Name: Pine Barn Creek at Woodrest Rd

Date: 8/3/2016

(mm/dd/yyyy)

STORET Station ID: G3WA0011

WBID: 235

Latitude: 30.8358

(Decimal Degrees)

County: Jackson

RQ - 2016-08-01-38

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	Sampling Equipment			
Ben Ralys				X		X	X	X	☐ Sample Container	☐ Van Dorn	☐ Pole	
Justin Wallheiser					X				☐ Carboy	☒ Syringe		
									☐ Dipper	☐ Other		
									Equipment ID			
									Collection Method			
									☐ Wading	Via Boat		
									☐ From Shore	☐ Canoe/Kayak		
									☒ Other (note below)	☐ Electric Motor		
									☒ Van Dorn	☐ Gasoline Motor		
Water Level: Dry / Low / <u>Normal</u> / High / Flooded				Matrix: <u>Fresh</u> / Marine / DI				Tide Falling: Yes / No / <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 (umhos/cm)	Temp. (C°)		
EST	11:20	0.2	0.2	3.71	45.3	5.97	0.02	1003	39	25.45		
CEN												
Biological Samples Collected: <u>None</u> 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		6168040	6/16/17	☒ <2		
Metals		☐ W-ICPMS ☐ W-ICP				☐ Ice ☐ HNO2				☐ <2		
Filtered Nutrients		☒ W-PO4-F ☒ Field Filtered 0.45 um Filter				☐ Ice						
Chlorophyll		☒ CHLSUITE-W				☐ Ice						
Physical/Aggregate (Fresh)		☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-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 ☐ Enteroc ☐ 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						

Contains
1:1
Sulfuric Acid
SA-6168040
EXP: 06/16/17
Warning!
See SDS

Alternative Sticker(s) Here
(if Available)

Notes:



G3WA0011 03 Aug 2016

Pine Barn Creek at Woodrest Rd

Signature:

Date:

Field Parameters Entered into LIMS:

(Initials/Date)

Field Parameters QC in LIMS:

(Initials/Date)

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 page.

Meter **Biology #2**

RQ- **2016-08-01-38**

Project **NWQI**

- 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

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.	Ben Ralys	8/3/16	7:10	21.96	8.76	8.76	100.1	32.9	-	P	L
ICV	Ben Ralys	8/3/16	7:12	21.94	8.76	8.79	100.4	32.9	-	P	L
CCV	Ben Ralys	8/3/16	3:52	27.48	7.91	7.79	98.5	33.9	-	P	L
CCV											

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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Ben Ralys	8/3/16	7:15	160330D	4/2017	1000	1000	P	L
ICV	Ben Ralys	8/3/16	7:16	160330D	4/2017	1000	1001	P	L
CCV	Ben Ralys	8/3/16	3:55	2601533	12/2017	100	96	P	L
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.	Ben Ralys	8/3/16	7:17	160330B	10/2017	7.0	7.00	-21.5	P	L
Calibr.	Ben Ralys	8/3/16	7:19	160330A	04/2017	4.0	4.08	-155.8	P	L
Calibr.	Ben Ralys	8/3/16	7:20	160330C	10/2017	10.0	9.98	-191.3	P	L
ICV	Ben Ralys	8/3/16	7:22	160330C	10/2017	10.0	9.98	-191.2	P	L
CCV	Ben Ralys	8/3/16	3:56	160330A	04/2017	4	3.94	-158.6	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

Customer: WQAP

Requester: Benjamin Ralys

Field Report Prepared By: Sustin Cellulose

Project ID: SMP

Collected By: Ben Ralys & Sustin CelluloseSampling Agency: FD&P

Location		Alligator Creek upstream of SA 213		Collection (comp begin or grab)		Date 8/3/16 Time 9:30		Composite end Date		Time		Bottle Group(s)	
Field ID	G3WA0005			Matrix (type, e.g., Salt, Fresh, etc)	Fresh			Diss. Oxygen	6.94	Total Res. Chlorine			
STORET #				Temp (C)	25.39			pH	6.23	Sample Depth		39	
Latitude	30.819	Longitude	-85.5042	Salinity (ppt)	0.02							A	
Location		Little Alligator Creek at SR 293		Collection (comp begin or grab)		Date 8/3/2016 Time 10:00		Composite end Date		Time		Bottle Group(s)	
Field ID	G3WA0006			Matrix (type, e.g., Salt, Fresh, etc)	Fresh			Diss. Oxygen	6.89	Total Res. Chlorine			
STORET #				Temp (C)	25.99			pH	6.49	Sample Depth		64	
Latitude	30.88873	Longitude	-85.46802	Salinity (ppt)	0.03							A	
Location		Scurlock Creek at Piggem Rd		Collection (comp begin or grab)		Date 8/3/2016 Time 11:00		Composite end Date		Time		Bottle Group(s)	
Field ID	G3WA0009			Matrix (type, e.g., Salt, Fresh, etc)	Fresh			Diss. Oxygen	6.16	Total Res. Chlorine			
STORET #				Temp (C)	25.67			pH	6.37	Sample Depth		58	
Latitude	30.8545	Longitude	-85.4443	Salinity (ppt)	0.03							A	
Location		Pine Born Creek at Woodcrest Rd		Collection (comp begin or grab)		Date 8/3/2016 Time 11:20		Composite end Date		Time		Bottle Group(s)	
Field ID	G3WA0011			Matrix (type, e.g., Salt, Fresh, etc)	Fresh			Diss. Oxygen	3.71	Total Res. Chlorine			
STORET #				Temp (C)	25.45			pH	5.97	Sample Depth		39	
Latitude	30.8358	Longitude	-85.9488	Salinity (ppt)	0.02							A	

Relinquished By: <u>[Signature]</u>	Date/Time: 8/3/16 3:45	Shipping Method: hand	Number of Coolers Shipped:	Received By: <u>[Signature]</u>	Date/Time: 8/3/16 1546
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Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WQAP

Requester: Benjamin Ralys

Field Report Prepared By: Sustin Cavalheres

Project ID: SMP

Collected By: Ben Ralys + Sustin CavalheresSampling Agency: FPEP

Location		Unalut Creek at Woodcrest		Collection (comp begin or grab)		Date 8/3/2016 Time 11:45		Composite end Date		Time		Bottle Group(s)	
Field ID		G3WA 0010		Matrix (type, e.g., Salt, Fresh, etc)		Fresh		Diss. Oxygen		5.81		Total Res. Chlorine	
STORET #				Temp (C)		25.25		pH		6.28		Sample Depth	
Latitude		30.8069		Longitude		-85.4607		Salinity (ppt)		0.03		Sp. Conductance (umho/cm)	
Location		Alligator Creek upstream of Bently Rd.		Collection (comp begin or grab)		Date 8/3/2016 Time 10:30		Composite end Date		Time		Bottle Group(s)	
Field ID		G3WA 0004		Matrix (type, e.g., Salt, Fresh, etc)		Fresh		Diss. Oxygen		2.33		Total Res. Chlorine	
STORET #				Temp (C)		25.57		pH		6.44		Sample Depth	
Latitude		30.8235		Longitude		-85.4723		Salinity (ppt)		0.03		Sp. Conductance (umho/cm)	
Location				Collection (comp begin or grab)		Date		Composite end Date		Time		Bottle Group(s)	
Field ID				Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen				Total Res. Chlorine	
STORET #				Temp (C)				pH				Sample Depth	
Latitude				Salinity (ppt)				Comments					
Location				Collection (comp begin or grab)		Date		Composite end Date		Time		Bottle Group(s)	
Field ID				Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen				Total Res. Chlorine	
STORET #				Temp (C)				pH				Sample Depth	
Latitude				Salinity (ppt)				Comments					
Location				Collection (comp begin or grab)		Date		Composite end Date		Time		Bottle Group(s)	
Field ID				Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen				Total Res. Chlorine	
STORET #				Temp (C)				pH				Sample Depth	
Latitude				Salinity (ppt)				Comments					

Relinquished By: <u>Sustin Cavalheres</u>	Date/Time: <u>8/3/16 3:45</u>	Shipping Method: <u>hand</u>	Number of Coolers Shipped:	Received By: <u>W</u>	Date/Time: <u>8/3/16 1546</u>
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Cooler Packing Worksheet for Request: RQ-2016-08-01-38

Alligator Creek

Ship Cooler On: 7/18/2016

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:

Bottle Group A: freshwater kit no metals

Bottle Group B: Algal

1 - case of Sulfuric Acid

Requested Analyses:

Bottle Group: A

of Sites: 7

Container ID: P-1L

Qty: 7 Preservation: ICE

Lot # 00065181

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

CHLSUITE-W

Description

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

Container ID: P-500ML

Qty: 7 Preservation: ICE And H2SO4

Lot # 00065372

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 # 00065393

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 # 430897

Description: Plastic Tube 50 mL

Analysis

ALGAL_ID

Description

Qualitative assessment of algal taxa present without counts

Cooler Packed By: SK

Date: 7-28-16

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 Sulfuric Acid exp 16-16-17 Lot # SA 616 8040
ID _____ Lot # _____
ID _____ Lot # _____
ID _____ Lot # _____
ID _____ Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2016-08-01-38