



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: 8/3/2016

(mm/dd/yyyy)

STORET Station ID: G3WA0005

WBID: 123

Latitude: 30.819

(Decimal Degrees)

County: Washington

RQ - 2016-08-01-38

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			
Ben Ralys									☐ Sample Container	☐ Van Dorn	☐ Pole	
Justin Wallheiser				X	X				☐ 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 / <u>High</u> / Flooded				Matrix: <u>Fresh</u> / Marine / DI								
Meter ID# Biology #2				Photos: Yes / <u>No</u>				Tide Falling: Yes / No / <u>NA</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>	9:30	0.3	1.1	6.94	84.6	6.23	0.02	0.5	39	25.39		
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		6133010		5/12/17	☒ <2	
Metals		☒ W-ICPMS ☐ W-ICP				☐ Ice ☐ HNO2					☐ <2	
Filtered Nutrients		☒ W-PO4-F ☒ Field Filtered 0.45 µm 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 ☐ Entero ☐ 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-6133010 EXP: 05/12/17 Warning! See SDS

Place Sticker(s) Here (if available)

Notes:



G3WA0005 03 Aug 2016

Alligator Creek upstream of SR 273

Signature: Bu R

Date: 8/3/16

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 name.

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	4.00	-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 Calhoun

Project ID: SMP

Collected By: Ben Ralys & Sustin CalhounSampling Agency: FDDEP

Location		Alligator Creek upstream of SA 213		Collection (comp begin or grab)		Date 8/13/16 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 #		G3WA0005		Temp (C)		25.39		pH		6.23		Sample Depth		0.3	
Latitude		30.819		Longitude		-85.5042		Salinity (ppt)		0.02		Sp. Conductance (umho/cm)		39	
Location		Little Alligator Creek at SR 273		Collection (comp begin or grab)		Date 8/13/2016 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 #		G3WA0006		Temp (C)		25.99		pH		6.49		Sample Depth		0.3	
Latitude		30.88873		Longitude		-85.46802		Salinity (ppt)		0.03		Sp. Conductance (umho/cm)		64	
Location		Scurlock Creek at Pilgrim Rd		Collection (comp begin or grab)		Date 8/13/2016 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 #		G3WA0009		Temp (C)		25.67		pH		6.37		Sample Depth		0.3	
Latitude		30.8545		Longitude		-85.4443		Salinity (ppt)		0.03		Sp. Conductance (umho/cm)		58	
Location		Pine Born Creek at Woodcrest Rd		Collection (comp begin or grab)		Date 8/13/2016 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 #		G3WA0011		Temp (C)		25.45		pH		5.97		Sample Depth		0.2	
Latitude		30.8358		Longitude		-85.4488		Salinity (ppt)		0.02		Sp. Conductance (umho/cm)		39	

Relinquished By: <u>[Signature]</u>	Date/Time: 8/13/16 3:45	Shipping Method: hand	Number of Coolers Shipped:	Received By: <u>[Signature]</u>	Date/Time: 8/13/16 1546
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Florida Department of Environmental Protection

Central Laboratory Submittal Form

Customer: WQAP

Requester: Benjamin Ralys

Field Report Prepared By:

Sustan Cavalheres

Project ID: SMP

Collected By:

Ben Ralys + Sustan Cavalheres

Sampling Agency:

FPEP

Location		Unalut Creek at Woodcrest		Collection (comp begin or grab)		Eastern Central		Composite end		Bottle Group(s)	
Field ID		Comp	Grab	Date	Time	Diss. Oxygen		Total Res. Chlorine			
STORET #											
Latitude		Temp (C)	Salinity (ppt)	pH	Sample Depth						
Location		Alligator Creek upstream of Bently Rd.		Collection (comp begin or grab)		Eastern Central		Composite end		Bottle Group(s)	
Field ID		Comp	Grab	Date	Time	Diss. Oxygen		Total Res. Chlorine			
STORET #											
Latitude		Temp (C)	Salinity (ppt)	pH	Sample Depth						
Location		Unalut Creek at Woodcrest		Collection (comp begin or grab)		Eastern Central		Composite end		Bottle Group(s)	
Field ID		Comp	Grab	Date	Time	Diss. Oxygen		Total Res. Chlorine			
STORET #											
Latitude		Temp (C)	Salinity (ppt)	pH	Sample Depth						
Location		Alligator Creek upstream of Bently Rd.		Collection (comp begin or grab)		Eastern Central		Composite end		Bottle Group(s)	
Field ID		Comp	Grab	Date	Time	Diss. Oxygen		Total Res. Chlorine			
STORET #											
Latitude		Temp (C)	Salinity (ppt)	pH	Sample Depth						

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Sustan Cavalheres	8/3/16 3:45	hand		Ben Ralys	8/3/16 1546

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