QA 3/1/16

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2016

Data Qualified? Yes / (No)

STORET Station Name: Little Alligator Creek at SR 273 Date: 02/02/2016 (mm/dd/yyyy)

STORET Station ID: G3WA0006 Latitude: 30.88873 (Decimal Degrees)

WBID: 123 RQ - 2016-02-01-22 ORG ID: 21FLWQG Longitude: -85.46802 (Decimal Degrees)

Receiving Body of Water: Holmes Creek Field ID: G3WA0006 County: Jackson

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Duplicate Collection	Blank Collection
Curtis Musson	X		X	X	X		
Ben Rains		X					

Sampling Equipment

- [x] Sample Container
- [ ] Van Dorn
- [ ] Pole
- [ ] Carboy
- [x] Syringe
- [ ] Dipper
- [ ] Other _____

Equipment ID _____

Collection Method

- [x] Wading
- [ ] From Shore
- [ ] Other (note below) _____

Via Boat
- [ ] Canoe/Kayak
- [ ] Electric Motor
- [ ] Gasoline Motor

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

Matrix: (Fresh) / Marine / DI

Meter ID# Biology #7

Photos: (Yes) / No

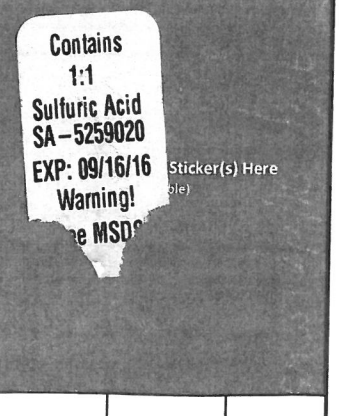
Tide Falling: Yes / No / (NA)

Field Sample

Time Zone	Time	Total Depth (m)	Sample Depth	Temp (°C)	DO (mg/L)	DO (%SAT)	COND (µmhos/cm)	Salinity (ppt)	pH	Secchi Disk (m)
(EST)	11:00	0.75	0.3	15.4	8.85	88.5	56	0.03	6.22	VOB
CEN										

Biological Samples Collected: (None) HA SCI LVS RPS LVI Other _____

Parameter Suite	Parameter Methods	Preservation	Acid Lot#	Expiration	pH Check
Preserved Nutrients	[x] TKN / TP / Nox / NH3 / TOC [ ] Other _____	[x] Ice [x] H_2SO_4	SA 5902C	9/16/16	[x] < 2
Metals	[ ] W-ICPMS [ ] W-ICP	[ ] Ice [ ] HNO_3			[ ] < 2
Filtered Nutrients	[x] oP [x] Field Filtered 0.45 µm Filter	[x] Ice			
Chlorophyll	[x] CHLSUITE-W	[x] Ice			
BOD	[x] BOD-INHB [x] BOD-UNIN	[x] Ice			
Physical/Aggregate	[x] TSS / Turbidity / Alkalinity / Color [ ] Other _____	[x] 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-PSCL-TQA [ ] W-UHERB-AA [ ] W-GLYPH	[ ] Ice [ ] Other _____			



QA/QC Sample Information

Duplicate

Time Zone: EST CEN **Sample Depth (m):** _____ **Field ID:** _____

Time: _____ **Total Depth (m):** _____

Parameter Suite	Parameter Methods	Preservation	Acid Lot#	Expiration	pH Check
Preserved Nutrients	☐ TKN / TP / Nox / NH3 / TOC ☐ Other _____	☐ Ice ☐ H_2SO_4			☐ < 2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO_3			☐ < 2
Filtered Nutrients	☐ oP ☐ Field Filtered 0.45 µm Filter	☐ Ice	Place Preservative Sticker(s) Here (If Available)		
Chlorophyll	☐ CHLSUITE-W	☐ Ice			
BOD	☐ BOD-INHB ☐ BOD-UNIN	☐ Ice			
Physical/Aggregate	☐ TSS / Turbidity / Alkalinity / Color ☐ Other _____	☐ Ice			
Microbiology	☐ E Coli ☐ F Coli ☐ Entero ☐ QPCR	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-PSCL-TQA ☐ W-UHERB-AA ☐ W-GLYPH	☐ Ice ☐ Other _____			

Blank

Time Zone: EST CEN **Time:** _____ **Field ID:** _____ **Location:** _____

☐ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank **Equimnet ID** _____

Parameter Suite	Parameter Methods	Preservation	Acid Lot#	Expiration	pH Check
Preserved Nutrients	☐ TKN / TP / Nox / NH3 / TOC ☐ Other _____	☐ Ice ☐ H_2SO_4			☐ < 2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO_3			☐ < 2
Filtered Nutrients	☐ oP ☐ Field Filtered 0.45 µm Filter	☐ Ice	Place Preservative Sticker(s) Here (If Available)		
Chlorophyll	☐ CHLSUITE-W	☐ Ice			
BOD	☐ BOD-INHB ☐ BOD-UNIN	☐ Ice			
Physical/Aggregate	☐ TSS / Turbidity / Alkalinity / Color ☐ Other _____	☐ Ice			
Microbiology	☐ E Coli ☐ F Coli ☐ Entero ☐ QPCR	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-PSCL-TQA ☐ W-UHERB-AA ☐ W-GLYPH	☐ Ice ☐ Other _____			

Notes:

Place Label Here (If Available)

Signature:

Date:

Field Parameters Entered into LIMS: CM 2-15-16 (Initials/Date)

Field Parameters QC in LIMS: BR 2/15/16 (Initials/Date)

Date Migrated to STORET: DT 3-11-16 (Initials/Date)

Field Sheets Scanned/Saved: CM 3-16-16 (Initials/Date)

Request Number: RQ-2016-02-01-22

Alligator Creek

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Nov 10, 2015

Customer: WQAP

Project ID: SMP

Requester: Benjamin Ralys

Collected By: Curtis Musson

Field Report Prepared By:

Sampling Agency: FDEP

Location: Little Alligator Creek at SR 273			☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/2/2016 Time 11:00	Eastern / Central	Composite end Date	Time	Bottle Group(s) (See pg 2): A			
Field ID: G3WA0006			Matrix (type, e.g., Salt, Fresh, etc): Fresh / Surface		Diss. Oxygen: 8.85	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)				
STORET #: G3WA0006			Temp (C): 15.4	pH: 6.22	Sample Depth: 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm): 56				
Latitude: 30.88873 ☒ dd ☐ dms	Longitude: -85.46802 ☒ dd ☐ dms		Salinity (ppt): 0.03	Comments							
Location: Alligator Creek upstream of Penny Rd			☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/2/2016 Time 11:45	Eastern / Central	Composite end Date	Time	Bottle Group(s): A			
Field ID: G3WA0003			Matrix (type, e.g., Salt, Fresh, etc): Fresh - Surface		Diss. Oxygen: 9.08	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)				
STORET #: G3WA0003			Temp (C): 15.6	pH: 6.4	Sample Depth: 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm): 51				
Latitude: 30.8517 ☒ dd ☐ dms	Longitude: -85.4653 ☐ dd ☐ dms		Salinity (ppt): 0.02	Comments							
Location: Alligator Creek upstream of SR 273			☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/2/2016 Time 12:30	Eastern / Central	Composite end Date	Time	Bottle Group(s): A			
Field ID: G3WA0005			Matrix (type, e.g., Salt, Fresh, etc): Fresh		Diss. Oxygen: 8.75	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)				
STORET #: G3WA0005			Temp (C): 15.5	pH: 6.3	Sample Depth: 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm): 47				
Latitude: 30.81881 ☒ dd ☐ dms	Longitude: -85.50414 ☒ 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)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)				
STORET #			Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)				
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms		Salinity (ppt)	Comments							

Relinquished By:	Date/Time	Shipping Method	Received By:	Date/Time	Relinquished By:	Date/Time	Received By:	Date/Time
Curtis Musson	2/2/16 3:16	DROFF		02-02-16 03:16 P.M				

Curtis

Group: A	Bottle Type:	P-1L	# of Bottles: 3	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** _____
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-NO2 W-TDS W-TSS					

Group: A	Bottle Type:	P-1L	# of Bottles: 3	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** _____
	BOD-UNIN					

Group: A	Bottle Type:	BP-1L	# of Bottles: 3	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** _____
	CHL-CORR-W					

Group: A	Bottle Type:	P-500ML	# of Bottles: 3	Preservative:	ICE And H2SO4	**Enter Number of Bottles Sent to Lab** _____
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC					

Group: A	Bottle Type:	P-125ML	# of Bottles: 3	Preservative:	ICE-FLTR	**Enter Number of Bottles Sent to Lab** _____
	W-PO4-F					

RQ-2016-02-01-22

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 ID: Biology #7 **Project:** Alligator Creek

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 _____

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.	Curtis Musson	2/2/2016	0809	20.9	8.93	8.94	100.0	80.8	—	P	L
ICV	Curtis Musson	2/2/16	0811	20.9	8.93	8.92	99.9	80.8	—	P	L
CCV	Curtis Musson	2/2/16	1536	22.1	8.72	9.01	103.2	84.9	—	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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	Curtis Musson	2/2/16	0813	CC14162	10/15/2016	996	996	P	L
ICV	Curtis Musson	2/2/16	0814	CC14162	10/15/2016	996	996	P	L
CCV	Curtis Musson	2/2/16	1537	CC13882	7/15/2016	101.1	103	P	L
CCV									

Report specific conductance as a whole number with no decimal figure. Conductivity Acceptance criteria ± 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.	Curtis Musson	2/2/16	0818	156244	10/2017	7.0	7.00	-18.1	P	L
Calibr.	Curtis Musson	2/2/16	0820	154634	07/2017	4.0	4.00	155.3	P	L
Calibr.	Curtis Musson	2/2/16	0822	146934	10/2016	10.0	10.01	-193.6	P	L
ICV	Curtis Musson	2/2/16	0824	156244	10/2017	7.00	6.96	-16.6	P	L
CCV	Curtis Musson	2/2/16	1539	156244	10/2017	7.00	7.02	-19.9	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±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 ±5 % or ±0.05m, whichever is greater

Cooler Packing Worksheet for Request: RQ-2016-02-01-22
Alligator Creek
Ship Cooler On: 1/18/2016 Requester: Benjamin Ralys
Customer/Project: WQAP/SMP Priority: 3

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

Attn: Benjamin Ralys

Comments:
No preservatives needed.

Requested Analyses:

Bottle Group: A **# of Sites: 3**

Container ID: P-1L **Qty: 3** **Preservation: ICE** **Lot #** 00063459
Description: Plastic Bottle 1L

Analysis	Description
ALKALINITY	Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Turbidity in aqueous matrices
W-CL-IC	Chloride in aqueous matrices
W-COLOR	True Color measured at 450 nm
W-F	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-NO2	Nitrite in aqueous matrices as mg N/L
W-TDS	Total Dissolved Solids in aqueous matrices
W-TSS	Total Suspended Solids in aqueous matrices

Container ID: P-1L **Qty: 3** **Preservation: ICE** **Lot #** 00063459
Description: Plastic Bottle 1L

Analysis	Description
BOD-UNIN	BOD, NOT nitrogen-inhibited

Container ID: BP-1L **Qty: 3** **Preservation: ICE** **Lot #** 1158198
Description: Brown Plastic Bottle 1L

Analysis	Description

Container ID: P-500ML **Qty: 3** **Preservation: ICE And H2SO4** **Lot #** 00063222

Description: Plastic Bottle 500 mL Affix YELLOW sulfuric acid dot to container.

Analysis	Description
W-NH3	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

Container ID: P-125ML **Qty: 3** **Preservation: ICE-FLTR** **Lot #** 00063404

Description: Plastic Bottle 125 mL

Analysis	Description
W-PO4-F	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Cooler Packed By: CL Date: _____

DEP Cooler ID #(s): 1 Cooler

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 N/A Lot # _____
- ID _____ Lot # _____
- ID _____ Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2016-02-01-22