



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

March 2017

PAGE 1 OF 8

Data Qualified?
Yes / No

Location/STORET Station Name: Scurlock Creek at Pilgrim Rd

Date: 05/10/2017
(mm/dd/yyyy)

STORET # G3WA0009

WBID: 195

Latitude: 30.8545

(Decimal Degrees)

County: Jackson RQ - 2017-05-08-19

ORG ID: 21FLWQA

Longitude: -85.4443

(Decimal Degrees)

Receiving Body of Water: Holmes Creek

Field ID: G3WA0009_05102017

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Duplicate Collection	Blank Collection
Ben Ralys								
Diana Turner								
Curtis Musson								

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 / Pooled / Low / <u>Normal</u> / High / Flooded	Matrix: <u>fresh</u> / Marine / DI
Meter ID# Biology #2	Photos: Yes / <u>No</u>
	Tide Falling: Yes / No / <u>NA</u>

Field Sample

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	11:00AM	0.1	0.2	3.01	36	5.98	0.02	108	52	24.30
CEN										

Biological Samples Collected: <u>None</u>	HA	SCI	RPS	Algae ID	LVS	LVI	Other
SBIO ID Numbers:	SBIO-ID:	RPS-ID:	Macrophyte-ID:	LIMS#:			

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	7093010	4/3/18	☒ <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			
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			
Periphyton	☐ ALGAE-ID	☐ Ice			
Microbiology	☒ E Coli ☐ F Coli ☐ Enterococci ☒ qPCR	☒ Ice			
Tracers	☒ W-SUC-AA-R ☒ W-UHERB-AA ☒ W-AHERB-AA	☒ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			

Contains
1:1
Sulfuric Acid
SA-7093010
EXP: 04/03/18
Warning!
See SDS

Preservative Sticker(s) Here
(If Available)

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	☐ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☐ Ice ☐ H ₂ SO ₄			☐ < 2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO ₃			☐ < 2
Filtered Nutrients	☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter	☐ Ice	Place Preservative Sticker(s) Here (If Available)		
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			
Microbiology	☐ E Coli ☐ F Coli ☐ Enterococci ☐ qPCR	☐ Ice			
Tracers	☐ W-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			

Blank

Time Zone: EST CEN		Time: _____		Field ID: _____		Location: _____	
☒ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank		Equipment ID: _____					
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 ☐ H ₂ SO ₄			☐ < 2		
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO ₃			☐ < 2		
Filtered Nutrients	☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter	☐ Ice	Place Preservative Sticker(s) Here (If Available)				
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					
Microbiology	☐ E Coli ☐ F Coli ☐ Enterococci ☐ qPCR	☐ Ice					
Tracers	☐ W-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA	☐ Ice					
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Other					

Notes: 1-Kit A FW Bact <i>Tracers Markers</i> Scurlock Creek at Pilgrim Rd		STORET ↓ G3WA0009	Field ID → Scurlock Creek at Pilgrim Rd June 19, 2017 G3WA0009_06192017
Signature: <i>[Signature]</i>		Date: <i>5/10/17 6/19/17</i>	

Field Parameters Entered into LIMS: <i>DT 6/20/17</i> (Initials/Date)	Field Parameters QC in LIMS: _____ (Initials/Date)
Date Migrated to STORET: _____ (Initials/Date)	Field Sheets Scanned/Saved: <i>DT 6/20/17</i> (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- 2017-05-08-19

Project SMP 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 09/23/2016

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.	Curtis Mussen	6/19/17	708	21.15	8.88	8.89	100.0	49	-	P	LAB
ICV	Curtis Mussen	6/19/17	709	21.16	8.88	8.90	100.2	49	-	P	LAB
CCV	Curtis Mussen	6/19/17	1422	22.73	8.627	8.64	100.2	48	-	P	LAB
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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Curtis Mussen	6/19/17	711	16111D	11/2017	1000	1000	P	LAB
ICV	Curtis Mussen	6/19/17	713	16111D	11/2017	1000	998	P	LAB
CCV	Curtis Mussen	6/19/17	1423	170310E	3/18	100	102	P	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.	Curtis Mussen	6/19/17	714	170310B	9/18	7.0	7.00	0.4	P	LAB
Calibr.	Curtis Mussen	6/19/17	716	170310A	3/18	4.01	4.01	173	P	LAB
Calibr.	Curtis Mussen	6/19/17	718	16111C	5/18	10.01	9.98	-166	P	LAB
ICV	Curtis Mussen	6/19/17	720	16111C	5/18	10.01	9.91	-162	P	LAB
CCV	Curtis Mussen	6/19/17	1425	170310A	3/18	4.01	4.20	159	P	LAB
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

Request Number: 2017-05-08-19

Alligator Creek

Customer: WQ-ASSESS

Project ID: NWQI

Requester: Curtis Musson

Collected By: Ben Roberts, Diana Turner

Field Report Prepared By: Ben Roberts

Sampling Agency: FDEP

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STOR

Field ID: Alligator Creek upstream of SR 273

June 19, 2017

G3WA0005_06192017

QC - Duplicate

Field ID: Alligator Creek upstream of SR 273

June 19, 2017

G3WA0005_06192017

QC BLANK

DI WATER

Field ID: QC - Blank DI Water

June 19, 2017

G3WA0005_06192017

☐ Comp ☒ Grab		Collection (comp begin or grab) Date 5/19/17 Time 9:40 AM		Eastern Central		Collection (comp begin or grab) Date		Bottle Group(s)	
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)	6.08	pH	6.58	Sample Depts (m)	0.15	Sp. Conductance (umho/cm)	56
Temp (C)	24.28	Comments							
Salinity (ppt)	0.02								
Latitude (Decimal Degrees)		30.819		Longitude (Decimal Degrees)		-85.5042		A, B C, D	

☐ Comp ☒ Grab		Collection (comp begin or grab) Date 5/19/17 Time 9:40 AM		Eastern Central		Collection (comp begin or grab) Date		Bottle Group(s)	
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)	6.08	pH	6.58	Sample Depts (m)	0.15	Sp. Conductance (umho/cm)	56
Temp (C)	24.28	Comments							
Salinity (ppt)	0.02								
Latitude (Decimal Degrees)		30.819		Longitude (Decimal Degrees)		-85.5042		A, B C	

☐ Comp ☒ Grab		Collection (comp begin or grab) Date 5/19/17 Time 9:26 AM		Eastern Central		Collection (comp begin or grab) Date		Bottle Group(s)	
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)		pH		Sample Depts (m)		Sp. Conductance (umho/cm)	
Temp (C)		Comments							
Salinity (ppt)									
Latitude (Decimal Degrees)		30.819		Longitude (Decimal Degrees)		-85.5042		A, B C	

Relinquished By: Diana Turner

Date/Time: 5/19/17 2:10 PM

Number of Coolers: 4

Received By: ARB

Date/Time: 6-19-17 14:00

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Central Lab Sample Submittal Form

Request Number: 2017-05-08-19

Alligator Creek

Customer: WQ-ASSESS

Project ID: NWQI

Requester: Curtis Musson

Collected By: Ben Ralys Diana Turner

Field Report Prepared By: Ben Ralys

Sampling Agency: FDEP

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STORET ↓

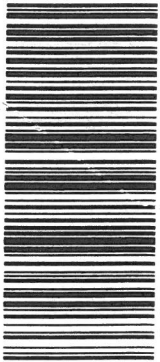
Little Alligator Creek at SR 273



G33WA00006

Field ID →

Little Alligator Creek at SR 273



June 19, 2017 G33WA00006 06192017

STORET ↓

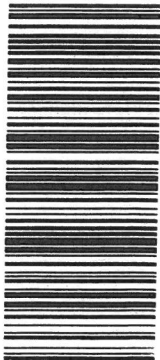
Alligator Creek upstream of Bentley Rd.



G33WA00004

Field ID →

Alligator Creek upstream of Bentley Rd.



June 19, 2017 G33WA00004 06192017

STORET ↓

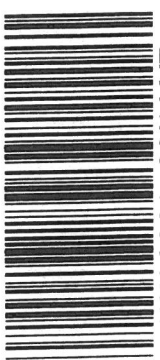
Scurlock Creek at Pilgrim Rd



G33WA00009

Field ID →

Scurlock Creek at Pilgrim Rd



June 19, 2017 G33WA00009 06192017

Collection (comp begin or grab) Date 5/19/17 Time 10:10 AM

Eastern Central

Matrix (Salt, Fresh) Grab

Diss. Oxygen (mg/L) 5.87

Temp (C) 25.70

pH 6.92

Salinity (ppt) 0.04

Sample Depts (m) 0.1

Sp. Conductance (umho/cm) 84

Latitude (Decimal Degrees) 30.88873

Longitude (Decimal Degrees) -85.46802

Collection (comp begin or grab) Date 5/19/17 Time 10:40 AM

Eastern Central

Matrix (Salt, Fresh) Grab

Diss. Oxygen (mg/L) 6.72

Temp (C) 24.47

pH 6.57

Salinity (ppt) 0.04

Sample Depts (m) 0.15

Sp. Conductance (umho/cm) 79

Latitude (Decimal Degrees) 30.8735

Longitude (Decimal Degrees) -85.4123

Collection (comp begin or grab) Date 5/19/17 Time 11:00 AM

Eastern Central

Matrix (Salt, Fresh) Grab

Diss. Oxygen (mg/L) 3.01

Temp (C) 24.30

pH 5.98

Salinity (ppt) 0.02

Sample Depts (m) 0.1

Sp. Conductance (umho/cm) 52

Latitude (Decimal Degrees) 30.8545

Longitude (Decimal Degrees) -85.4443

Date/Time 6/19/17 2:10 PM

Relinquished By: Diana Turner

Number of Coolers 4

Received By: [Signature]

Date/Time 6-19-17 1:41:10

Request Number: 2017-05-08-19

Alligator Creek

Customer: WQ-ASSESS

Project ID: NWQI

Requester: Curtis Musson

Collected By: Ben Roberts, Diana Turner

Field Report Prepared By: Ben Roberts

Sampling Agency: FDEP

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STREET ↓

Barcode

G3WAA0011 06192017

Field ID →

Barcode

G3WAA0011 06192017

Pine Barn Creek at Woodrest Rd

June 19, 2017

STREET ↓

Barcode

G3WAA0010 06192017

Field ID →

Barcode

G3WAA0010 06192017

Unnamed Creek at Woodrest Rd

June 19, 2017

STREET ↓

Barcode

G3WAA0012 06192017

Field ID →

Barcode

G3WAA0012 06192017

Gilbert's Mill Creek at Aycock Rd

June 19, 2017

Collection (comp begin or grab)		Collection (comp begin or grab)		Collection (comp begin or grab)	
Comp	Grab	Comp	Grab	Comp	Grab
☐	☒	☐	☒	☐	☒
Matrix (Salt, Fresh)		Matrix (Salt, Fresh)		Matrix (Salt, Fresh)	
Temp (C)		Temp (C)		Temp (C)	
Diss. Oxygen (mg/L)		Diss. Oxygen (mg/L)		Diss. Oxygen (mg/L)	
pH		pH		pH	
Salinity (ppt)		Salinity (ppt)		Salinity (ppt)	
Latitude (Decimal Degrees)		Latitude (Decimal Degrees)		Latitude (Decimal Degrees)	
Sample Depts (m)		Sample Depts (m)		Sample Depts (m)	
Sp. Conductance (umho/cm)		Sp. Conductance (umho/cm)		Sp. Conductance (umho/cm)	
Time		Time		Time	
Date		Date		Date	
Bottle Group(s)		Bottle Group(s)		Bottle Group(s)	

STREET ↓

Barcode

G3WAA0010 06192017

Field ID →

Barcode

G3WAA0010 06192017

Unnamed Creek at Woodrest Rd

June 19, 2017

STREET ↓

Barcode

G3WAA0012 06192017

Field ID →

Barcode

G3WAA0012 06192017

Gilbert's Mill Creek at Aycock Rd

June 19, 2017

Relinquished By: Diana Turner

Date/Time: 6/19/17 2:10pm

Number of Coolers: 4

Received By: [Signature]

Date/Time: 06-19-17 14:16

Group: A	Bottle Type: ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	P-1L	# of Bottles: 9	Preservative:	ICE	Enter Number of Bottles Sent to Lab	8
Group: A	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 9	Preservative:	ICE	Enter Number of Bottles Sent to Lab	8
Group: A	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 9	Preservative: ICE And H2SO4	ICE	Enter Number of Bottles Sent to Lab	8
Group: A	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 9	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	8
Group: B	Bottle Type: ECOLI-18QT	P-250ML-WO-THI	# of Bottles: 9	Preservative:	ICE	Enter Number of Bottles Sent to Lab	8
Group: C	Bottle Type: W-AHERB-AA W-SUC-AA-R W-UHERB-AA	BG-1L	# of Bottles: 9	Preservative:	ICE	Enter Number of Bottles Sent to Lab	8
Group: D	Bottle Type: PCR-BACR PCR-FILTER	QPCR-P-250ML	# of Bottles: 14	Preservative:	ICE	Enter Number of Bottles Sent to Lab	12

Cooler Packing Worksheet for Request: RQ-2017-05-08-19

Alligator Creek

Ship Cooler On: 5/5/2017

Customer/Project: WQ-ASSESS/NWQI

Assigned To: REYNOLDS_T

Requester: Curtis Musson

Priority: 3

850-245-8453
Division Of Water Facilities, FL DEP
2600 Blair Stone Rd.
Tallahassee, FL 32399-2400
Attn: curtis musson

Comments:

No preservatives needed.

Group A: Freshwater Nutrient Kit

Group B: E. Coli

Group C: Organics (Wastewater Tracers)

Group D: PCR (Wastewater Markers)

Packing Notes:

No FedEx labels needed. Samples will be dropped off

Requested Analyses:

Bottle Group: A

of Sites: 9

Container ID: P-1L

Qty: 9 Preservation: ICE

Lot #

00027591

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

W-SO4-IC

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)

Sulfate in aqueous matrices

Total Dissolved Solids in aqueous matrices

Total Suspended Solids in aqueous matrices

Container ID: BP-1L

Qty: 9 Preservation: ICE

Lot #

1191091

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: QPCR-P-250ML

Qty: 14 Preservation: ICE

Lot # 00067460

Description:

Analysis

PCR-BACR

PCR-FILTER

Description

Detection and quantification of Ruminant specific Bacteroidetes genetic marker with quantitative polymerase chain reaction

Preparation of Samples by Filtration and held for qPCR Analysis

Cooler Packed By: Tyler Reynolds

Date: 05/09/17

DEP Cooler ID #(s): 4 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-2017-05-08-19