



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

March 2017

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Data Qualified?
Yes / No

Location/STORET Station Name: Quincy Creek upstream of SR 65

Date: 07/12/2017

(mm/dd/yyyy)

STORET # G1WA0049

WBID: 1303

Latitude: 30.599

(Decimal Degrees)

County: Gadsden

RQ: 2017-07-10-19

ORG ID: 21FLWQA

Longitude: -84.576

(Decimal Degrees)

Receiving Body of Water: Little River

Field ID: G1WA0049_07122017

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

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	11:20 AM	0.3	0.5	7.86	93.5	6.46	0.03	0.05	65	24.06
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	6253070	9/9/17	☒ <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-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			
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			

QC DUP
Quincy Creek
upstream of
SR 65

STORET ↓



QA/QC Sample Information

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	7093010	4/3/18	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO ₃	6253070	9/9/17	☒ <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	Field ID → QC DU P		
Tracers	☒ W-SUC-AA-R ☒ W-UHERB-AA ☒ W-AHERB-AA	☒ Ice	Quincy Creek upstream of SR 65		
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☒ W-SUC-AA-R ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH	☐ Ice ☐ Other	July 12, 2017		

G1WA0049_07122017D

Blank

Time Zone: EST CEN		Time: 10:45		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	7093010	4/3/18	☒ <2		
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO ₃	6253070	9/9/17	☒ <2		
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice	QC Blank DI WATER				
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	Field ID → QC-BLANK DI Water				
Tracers	☒ W-SUC-AA-R ☒ W-UHERB-AA ☒ W-AHERB-AA	☒ Ice	Quincy Creek upstream of SR 65				
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-SUC-AA-R ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH	☐ Other	July 12, 2017				

G1WA0049_07122017B

Notes: 1-KitC FW Bact Tracers Markers (PCR-HF183)		Quincy Creek upstream of SR 65		STORET ↓		Field ID → Quincy Creek upstream of SR 65	
				G1WA0049		July 12, 2017	
Signature:						Date: 7/12/17	

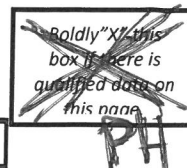
Field Parameters Entered into LIMS: DT 7/13/17 (Initials/Date)

Date Migrated to STORET: _____ (Initials/Date)

Field Parameters QC in LIMS: _____ (Initials/Date)

Field Sheets Scanned/Saved: DT 7/13/17 (Initials/Date)

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)



Meter Biology #2

RQ- 2017-07-10-19

Project SMP

- 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 03/06/2017

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	7/12/17	7:16	21.77	8.79	8.78	100.0	42.0	—	P	Lab
ICV	Ben Ralys	7/12/17	7:19	21.78	8.79	8.77	99.9	42.0	—	P	Lab
CCV	Ben Ralys	7/12/17	2:28	26.01	8.11	8.21	101.1	43.1	—	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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Ben Ralys	7/12/17	7:21	170310D	3/2018	1,000	899.9	P	Lab
ICV	Ben Ralys	7/12/17	7:22	170310D	3/2018	1,000	1001	P	Lab
CCV	Ben Ralys	7/12/17	2:31	170614D	6/2018	100	103	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.	Ben Ralys	7/12/17	7:24	170310B	9/2018	7.0	7.00	173.4	P	Lab
Calibr.	Ben Ralys	7/12/17	7:26	170310A	3/2018	4.0	3.85	163.1	P	Lab
Calibr.	Ben Ralys	7/12/17	7:29	16111C	5/2018	10.0	9.96	-172.0	P	Lab
ICV	Ben Ralys	7/12/17	7:31	16111C	5/2018	10.0	9.92	-169.8	P	Lab
CCV	Ben Ralys	7/12/17	2:33	170310A	3/2018	4.0	3.6	176.9	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: 2017-07-10-19		FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION		Page 1 of 4	
Black Creek, Soapstone Branch, Little River		Central Lab Sample Submittal Form		Field Report Prepared By: Diana Turner	
Customer: WQ-ASSESS		Requester: Curtis Musson		Sampling Agency: FDEP	
Project ID: SMP		Collected By: Ben Palus, Diana Turner			

STORET ↓ Black Creek upstream of Bloxham Cutoff G1WA00023		STORET ↓ Scapstone Branch 100 meters upstream of SR 375 G1WA00012		STORET ↓ Black Creek upstream of SR 375 G1WA00047	
Field ID → Black Creek upstream of Bloxham Cutoff July 12, 2017 G1WA00023_07122017		Field ID → Scapstone Branch 100 meters upstream of SR 375 July 12, 2017 G1WA00012_07122017		Field ID → Black Creek upstream of SR 375 July 12, 2017 G1WA00047_07122017	

☐ Comp ☒ Grab		Collection (comp begin or grab)		Collection (comp begin or grab)		Collection (comp begin or grab)		Bottle Group(s)	
Matrix (Salt, Fresh)		Date 7/12/17 Time 8:45 AM		Date 7/12/17 Time 9:10 AM		Date 7/12/17 Time 9:10 AM		Bottle Group(s)	
Temp (C)		Diss. Oxygen (mg/L) 1.07		Diss. Oxygen (mg/L) 7.35		Diss. Oxygen (mg/L) 4.50		Bottle Group(s)	
pH		pH 7.26		pH 4.50		pH 4.50		Bottle Group(s)	
Salinity (ppt)		Salinity 2.02		Salinity 0.01		Salinity 0.01		Bottle Group(s)	
Latitude (Decimal Degrees)		Latitude (Decimal Degrees)		Latitude (Decimal Degrees)		Latitude (Decimal Degrees)		Bottle Group(s)	
Longitude (Decimal Degrees)		Longitude (Decimal Degrees)		Longitude (Decimal Degrees)		Longitude (Decimal Degrees)		Bottle Group(s)	
Sample Depts (m)		Sample Depts (m)		Sample Depts (m)		Sample Depts (m)		Bottle Group(s)	
Sp. Conductance (umho/cm)		Sp. Conductance (umho/cm)		Sp. Conductance (umho/cm)		Sp. Conductance (umho/cm)		Bottle Group(s)	
Comments		Comments		Comments		Comments		Bottle Group(s)	

Relinquished By: Diana Turner		Date/Time 7/12/17 2:08 PM		Received By: J.D.		Date/Time 7/12/17 2:08	
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Request Number: 2017-07-10-19
 Black Creek, Soapstone Branch, Little River
 Customer: WQ-ASSESS
 Project ID: SMP

Requester: Curtis Musson
 Collected By: Ben Ralys, Diana Turner

Field Report Prepared By: Diana Turner
 Sampling Agency: FDEP

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File
 Little River 100
 meters upstream
 of SR 12



G1WA00020

Field ID
 Little River
 100 meters
 upstream
 of SR 12
 July 12, 2017



G1WA00020_07122017

Location

Collection (comp begin or grab)		Collection (comp begin or grab)		Collection (comp begin or grab)	
Comp	Grab	Date	Time	Date	Time
☐	☒	7/12/17	1:05 pm		
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)		Sample Depts (m)	
Fresh		7.52		0.3	
Temp (C)		pH		Sp. Conductance (umho/cm)	
25.44		6.73		113	
Salinity (ppt)		Comments			
0.05					
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)		Bottle Group(s)	
30.5882		-84.4957		A, C, D, #1	

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

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

Relinquished By: Diana Turner
 Date/Time: 7/12/17 2:08 pm
 Number of Coolers: 4

Received By: J.D.
 Date/Time: 7/12/17 2:09

Group: A	Bottle Type:	P-1L	# of Bottles: 8	Preservative:	ICE	Enter Number of Bottles Sent to Lab	7
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 8	Preservative:	ICE	Enter Number of Bottles Sent to Lab	7
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 8	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	7
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 8	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	7
	W-PO4-F						
Group: B	Bottle Type:	P-500ML	# of Bottles: 4	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	4
	W-ICP						
	W-ICPMS						
Group: C	Bottle Type:	P-250ML-WO-THI	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	7
	ECOLI-18QT						
Group: D	Bottle Type:	BG-1L	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab	7
	W-AHERB-AA						
	W-SUC-AA-R						
	W-UHERB-AA						
Group: E	Bottle Type:	QPCR-P-250ML	# of Bottles: 8	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6
	PCR-FILTER						
Group: F	Bottle Type:	QPCR-P-250ML	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	PCR-FILTER						
	PCR-HF183						

Cooler Packing Worksheet for Request: RQ-2017-07-10-19

Black, Quincy, Little, Tanyard, Juniper, Soapstone

Ship Cooler On: 6/26/2017

Customer/Project: WQAP/SMP

Assigned To: REYNOLDS_T

Requester: Curtis Musson

Priority: 3

850-245-8453
2600 Blair Stone Rd
MS #3525
Tallahassee, FL 32399-2400
Attn: Curtis Musson

Comments:

No preservatives needed.

Group A: Freshwater Kit

Group B: Metals

Group C: E. coli

Group D: Organics (WW Tracers) Short AHERB list

Group E: PCR (WW Tracers, PCR-FILTER)

Group F: PCR (WW Tracers, PCR-FILTER, HF183)

Requested Analyses:

Bottle Group: A

of Sites: 8

Container ID: P-1L

Qty: 8 Preservation: ICE

Lot # 00068075

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: 8 Preservation: ICE

Lot # 1199138

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: BG-1L

Qty: 7 Preservation: ICE

Lot # 00068050

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-AHERB-AA

W-SUC-AA-R

W-UHERB-AA

Description

Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS

Analysis of sucralose in water matrices by HPLC/MS/MS

Urea herbicides and other chemicals in water matrices by HPLC/MS/MS

Bottle Group: E

of Sites: 4

Container ID: QPCR-P-250ML

Qty: 8 Preservation: ICE

Lot # 00067801

Description:

Analysis

PCR-FILTER

Description

Preparation of Samples by Filtration and held for qPCR Analysis

Bottle Group: F

of Sites: 2

Container ID: QPCR-P-250ML

Qty: 4 Preservation: ICE

Lot # 00067801

Description:

Analysis

PCR-FILTER

PCR-HF183

Description

Preparation of Samples by Filtration and held for qPCR Analysis

Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction

Cooler Packed By: Tyler R. Number of Coolers: 4 Date: 06/24/17

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle
- ☒ FedEx Bills, if applicable
- ☒ Plastic Bags
- ☒ Zip Ties

If Preservation Included:

ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2017-07-10-19