



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

March 2017

PAGE 1 OF 9

Data Qualified?
Yes / No

Location/STORET Station Name: Tanyard Branch 100 meters upstream of Ralph Strong F Date: 07/12/2017

STORET # G1WA0005 WBID: 595 Latitude: 30.5832 (mm/dd/yyyy)

County: Gadsden RQ - 2017-07-10-19 ORG ID: 21FLWQA Longitude: -84.5519 (Decimal Degrees)

Receiving Body of Water: Quincy Creek Field ID: G1WA0005_07122017 (Decimal Degrees)

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

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°)
<u>EST</u>	<u>11:50 AM</u>	<u>0.3</u>	<u>0.4</u>	<u>6.02</u>	<u>73.9</u>	<u>6.75</u>	<u>0.12</u>	<u>VOB</u>	<u>256</u>	<u>28.75</u>
CEN										

Biological Samples Collected: None 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	<u>70903010</u>	<u>4/3/18</u>	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3	<u>4/3/18</u>	<u>DI</u>	☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice	7/12/17 Place Preservative Sticker(s) Here (If Available)		
Chlorophyll	☒ CHL SUITE-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-P5NP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ 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	☐ 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-CI-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			

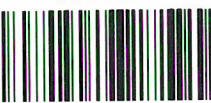
Blank

Time Zone: EST CEN		Time: 10:45 AM		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	9/1/17	☒ < 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					
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-KitA

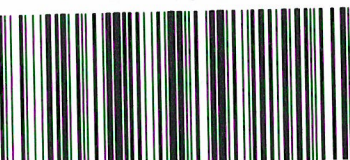
Tanyard Branch 100
meters upstream of
Ralph Strong Rd.

STORET ↓



G1WA0005

Field ID →
Tanyard Branch
100 meters
upstream of Ralph
Strong Rd.
July 12, 2017



G1WA0005_07122017

Signature: _____

Date: **7/12/17**

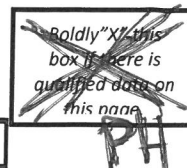
Field Parameters Entered into LIMS: **DT 7/13/17**
(Initials/Date)

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

Date Migrated to STORET: _____ (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

Black Creek, Soapstone Branch, Little River

Customer: WQ-ASSESS

Project ID: SMP

Requester: Curtis Musson

Collected By: Ben Palus, Diana Turner

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Central Lab Sample Submittal Form

Field Report Prepared By: Diana Turner

Sampling Agency: FDEP

Page 1 of 4

Black Creek
upstream of
Blochham Cutoff

Field ID →
Black Creek
upstream of
Blochham Cutoff

July 12, 2017

Scapstone Branch
100 meters
upstream
of SR 375

Field ID →
Soapstone Branch
100 meters
upstream of
SR 375

July 12, 2017

Black Creek
upstream of SR 375

Field ID →
Black Creek
upstream of
SR 375

July 12, 2017

STORET ↓

G1WA00023

STORET ↓

G1WA00012_07122017

STORET ↓

G1WA00047

☐ Comp ☐ Grab		Collection (comp begin or grab)	Eastern Central	Date	Time	Collection (comp begin or grab)		Eastern Central	Date	Time	Bottle Group(s)
☒ Grab		Matrix (Salt, Fresh)	SA	7/12/17	8:45 AM	☒ Grab		Matrix (Salt, Fresh)	SA	7/12/17	8:45 AM
Temp (C)		23.50	pH		7.07	Temp (C)		23.50	pH		7.07
Salinity (ppt)		2.02	Diss. Oxygen (mg/L)		7.35	Salinity (ppt)		2.02	Diss. Oxygen (mg/L)		7.35
Latitude (Decimal Degrees)		30.98625		Longitude (Decimal Degrees)		-84.6355		Latitude (Decimal Degrees)		30.98625	
Sample Depts (m)		0.3		Sp. Conductance (umho/cm)		56		Sample Depts (m)		0.3	
Comments		COLLECTED		Comments		COLLECTED		Comments		COLLECTED	

☐ Comp ☒ Grab		Collection (comp begin or grab)	Eastern Central	Date	Time	Collection (comp begin or grab)		Eastern Central	Date	Time	Bottle Group(s)
☒ Grab		Matrix (Salt, Fresh)	SA	7/12/17	9:10 AM	☒ Grab		Matrix (Salt, Fresh)	SA	7/12/17	9:10 AM
Temp (C)		22.94	pH		7.35	Temp (C)		22.94	pH		7.35
Salinity (ppt)		0.01	Diss. Oxygen (mg/L)		4.50	Salinity (ppt)		0.01	Diss. Oxygen (mg/L)		4.50
Latitude (Decimal Degrees)		30.925		Longitude (Decimal Degrees)		-84.693		Latitude (Decimal Degrees)		30.925	
Sample Depts (m)		0.3		Sp. Conductance (umho/cm)		35		Sample Depts (m)		0.3	
Comments		COLLECTED		Comments		COLLECTED		Comments		COLLECTED	

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 2:08

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Central Lab Sample Submittal Form

Request Number: 2017-07-10-19

Black Creek, Soapstone Branch, Little River

Customer: WQ-ASSESS

Project ID: SMP

Requester: Curtis Musson

Collected By: Ben Palys, Diana Turner

Page 2 of 4

Field Report Prepared By: Diana Turner

Sampling Agency: FDEP

Collection (comp begin or grab)		Collection (comp begin or grab)		Collection (comp begin or grab)	
Comp	Date	Time	Eastern Central	Date	Time
☒ Grab	7/12/17	10:05 AM	Eastern Central	7/12/17	11:40 AM
Matrix (Salt, Fresh)	Fresh	Diss. Oxygen (mg/L)	5.34	Matrix (Salt, Fresh)	Fresh
Temp (C)	23.62	pH	6.53	Temp (C)	24.06
Salinity (ppt)	0.04	Comments		Salinity (ppt)	0.03
Latitude (Decimal Degrees)		30.531		Latitude (Decimal Degrees)	
Longitude (Decimal Degrees)		-84.736		Longitude (Decimal Degrees)	
Sample Depts (m)		0.3		Sample Depts (m)	
Sp. Conductance (umho/cm)		79		Sp. Conductance (umho/cm)	
Bottle Group(s)		C, D, E		Bottle Group(s)	
A, B, C, D, F				A, B, C, D, F	

Collection (comp begin or grab)		Collection (comp begin or grab)		Collection (comp begin or grab)	
Comp	Date	Time	Eastern Central	Date	Time
☒ Grab	7/12/17	11:00 AM	Eastern Central	7/12/17	11:40 AM
Matrix (Salt, Fresh)	Fresh	Diss. Oxygen (mg/L)	7.80	Matrix (Salt, Fresh)	Fresh
Temp (C)	24.06	pH	6.96	Temp (C)	24.35
Salinity (ppt)	0.03	Comments		Salinity (ppt)	0.03
Latitude (Decimal Degrees)		30.599		Latitude (Decimal Degrees)	
Longitude (Decimal Degrees)		-84.576		Longitude (Decimal Degrees)	
Sample Depts (m)		0.3		Sample Depts (m)	
Sp. Conductance (umho/cm)		65		Sp. Conductance (umho/cm)	
Bottle Group(s)		A, B, C, D, F		Bottle Group(s)	
A, B, C, D, F				A, B, C, D, F	

Collection (comp begin or grab)		Collection (comp begin or grab)		Collection (comp begin or grab)	
Comp	Date	Time	Eastern Central	Date	Time
☒ Grab	7/12/17	11:40 AM	Eastern Central	7/12/17	11:40 AM
Matrix (Salt, Fresh)	Fresh	Diss. Oxygen (mg/L)	8.10	Matrix (Salt, Fresh)	Fresh
Temp (C)	24.35	pH	6.80	Temp (C)	24.35
Salinity (ppt)	0.03	Comments		Salinity (ppt)	0.03
Latitude (Decimal Degrees)		30.5837		Latitude (Decimal Degrees)	
Longitude (Decimal Degrees)		-84.5503		Longitude (Decimal Degrees)	
Sample Depts (m)		0.3		Sample Depts (m)	
Sp. Conductance (umho/cm)				Sp. Conductance (umho/cm)	
Bottle Group(s)		A, B, C, D, F		Bottle Group(s)	
A, B, C, D, F				A, B, C, D, F	

STORET ↓

 Juniper Creek upstream of Juniper Creek Rd.
 G1WA00059_07122017

Field ID →

 Juniper Creek upstream of Juniper Creek Rd.
 July 12, 2017
 G1WA00059_07122017

STORET ↓

 Quincy Creek upstream of SR 65
 G1WA00049

Field ID →

 Quincy Creek upstream of SR 65
 July 12, 2017
 G1WA00049_07122017

STORET ↓

 Quincy Creek 100 meters upstream of Ralph Strong Rd.
 G1WA00018

Field ID →

 Quincy Creek 100 meters upstream of Ralph Strong Rd.
 July 12, 2017
 G1WA00018_07122017

Relinquished By: Diana Turner	Date/Time: 7/12/17 2:05 PM	Number of Coolers: 4	Received By: [Signature]	Date/Time: 7/12/17 2:08
-------------------------------	----------------------------	----------------------	--------------------------	-------------------------

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