



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

March 2017

PAGE 1 OF

Date Qualified?

Yes / No

Location/STORET Station Name: Quincy Creek upstream of SR 267

Date: 11/15/2017

(mm/dd/yyyy)

STORET # G1WA0050

WBID: 1303

Latitude: 30.600

(Decimal Degrees)

County: Gadsden RQ - 2017-11-13-27

ORG ID: 21FLWQA

Longitude: -84.581

(Decimal Degrees)

Receiving Body of Water: Little River

Field ID: G1WA0050 11152017

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Ben Ralys					X	X	X	X	X
AJ Jones						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 / Normal / High / Flooded							Matrix: Fresh / Marine / DI			
Meter ID# Biology #2			Photos: Yes / No				Tide Falling: Yes / No / NA			
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	11:05	0.15	0.34	9.78	94.6	7.20	0.02	VOB	55	13.86
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	SA7233030	8/21/18	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO3	7086060	3/27/18	☒ <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
Lot No.: SA7233030
Expires: 08/21/18
See Safety Data Sheet (SDS)

Contains
1:1
Nitric Acid
NA-7086060
EXP: 03/27/18
Warning!
See SDS

Notes:
Kit-C
Bacteria
Tracers
Markers-183

Quincy Creek
upstream of
SR 267

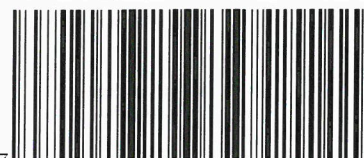
STORET ↓



G1WA0050

Field ID →
Quincy Creek
upstream
of SR 267

Nov 15, 2017



G1WA0050 11152017

Signature:

Ben Ralys

Date:

11/15/17

Field Parameters Entered into LIMS:

Ben Ralys 11/15/17

(Initials/Date)

Field Parameters QC in LIMS:

CM 1-26-18

(Initials/Date)

Date Migrated to STORET:

(Initials/Date)

Field Sheets Scanned/Saved:

CM 1-26-18

(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 ID: Biology #2

RQ: 2017-11-13-27

Project: SMP

Notes: (1) Always wait for meter to stabilize before recording any readings.

(2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).

(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.	Ben Ralys	11/15/17	7:18	20.53	9.00	9.00	100.0	49.2	—	☒ F	☒ F
ICV	Ben Ralys	11/15/17	7:19	20.48	9.02	9.01	100.0	49.2	—	☒ F	☒ F
CCV	Ben Ralys	11/15/17	3:23	20.28	9.05	8.84	97.8	48.2	—	☒ F	☒ F
CCV										P / F	L / F

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.	Ben Ralys	11/15/17	7:07	171005D	10/2018	1000	1,000	☒ F	☒ F
ICV	Ben Ralys	11/15/17	7:09	171005D	10/2018	1,000	1,001	☒ F	☒ F
CCV	Ben Ralys	11/15/17	3:25	171005E	10/2018	100	99	☒ F	☒ F
CCV								P / F	L / F

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	11/15/17	7:11	170614B	12/2018	7.0	7.00	11.0	☒ F	☒ F
Calibr.	Ben Ralys	11/15/17	7:13	171005A	10/2018	4.0	4.00	184.7	☒ F	☒ F
Calibr.	Ben Ralys	11/15/17	7:15	170310C	9/2018	10.0	9.97	-152.2	☒ F	☒ F
ICV	Ben Ralys	11/15/17	7:16	170310C	9/2018	10.0	9.95	-151.5	☒ F	☒ F
CCV	Ben Ralys	11/15/17	3:27	171005A	10/2018	4.0	3.92	187.4	☒ F	☒ F
CCV									P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ;

mV pH 4 Range $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth verification _____

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value meters	Pass / Fail	Lab / Field
Pressure mode in air						P / F	L / F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS:

Quincy Creek, Black Creek

Customer: WAS-SECT

Project ID: SMP

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Requester: Curtis Musson

Field Report Prepared By: Ben Kahys

Sampling Agency: FDEP

Collected By: Ben Ralys AS Jones

Black Creek upstream of Bloxxham Cutoff					
Field ID → Black Creek: upstream o Bloxxham Ct toff Nov 15, 2017					
STORET ↓ G1WA0023_1152017					
☐ Comp ☒ Grab	Date 11/15/17	Time 8:20	Collection (comp begin or grab)	Date	Time
Matrix (Salt, Fresh)	Fresh	Diss. Oxygen (mg/L) 5.48	Eastern Central		
Temp (C) 14.06	pH 5.85	Sample Depts (m) 0.3	Sp. Conductance (umho/cm) 48		
Salinity (ppt) 0.02	Comments				
Latitude (Decimal Degrees) 30.27792			Longitude (Decimal Degrees) -84.3858		
Bottle Group(s) A					

Black Creek upstream of SR 37's					
Field ID → Black Creek upstream cf SR 37's Nov 15, 2017					
STORET ↓ G1WA0047_1152017					
☐ Comp ☒ Grab	Date 11/15/17	Time 9:10	Collection (comp begin or grab)	Date	Time
Matrix (Salt, Fresh)	Fresh	Diss. Oxygen (mg/L) 9.29	Eastern Central		
Temp (C) 13.69	pH 7.52	Sample Depts (m) 0.3	Sp. Conductance (umho/cm) 99		
Salinity (ppt) 0.05	Comments				
Latitude (Decimal Degrees) 30.325			Longitude (Decimal Degrees) -84.693		
Bottle Group(s) C,D,F					

Juniper Creek upstream of Juniper Creek Rd.					
Field ID → Juniper Creek upstream of Juniper Creek Rd. Nov 15, 2017					
STORET ↓ G1WA0059_1152017					
☐ Comp ☒ Grab	Date 11/15/17	Time 9:50	Collection (comp begin or grab)	Date	Time
Matrix (Salt, Fresh)	Fresh	Diss. Oxygen (mg/L) 6.61	Eastern Central		
Temp (C) 13.5	pH 6.62	Sample Depts (m) 0.3	Sp. Conductance (umho/cm) 102		
Salinity (ppt) 0.05	Comments				
Latitude (Decimal Degrees) 30.531			Longitude (Decimal Degrees) -84.736		
Bottle Group(s) C,D,E					

Relinquished By:		Number of Coolers		Received By:	
Ben Lahey		2:50		11-15-17 [Signature]	
				Date/Time	

Request Number: 2017-11-13-27

Quincy Creek, Black Creek

Customer: WAS-SECT

Project ID: SMP

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Central Lab Sample Submittal Form

Requester: Curtis Musson

Collected By: Ben Ralys, AJ Jones

Field Report Prepared By: Ben Ralys

Sampling Agency: FDEP

Page 2 of 3

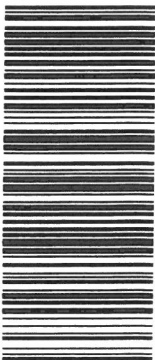
Loc

Quincy Creek
upstream of
SR 268

STORET ↓



G1WA00051

Field ID →
Quincy Creek
upstream of
SR 268

Nov 15, 2017 G1WA00051 11152017

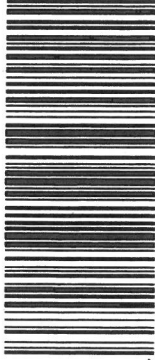
Loc

Quincy Creek
upstream of
SR 267

STORET ↓



G1WA00050

Field ID →
Quincy Creek
upstream of
SR 267

Nov 15, 2017 G1WA00050 11152017

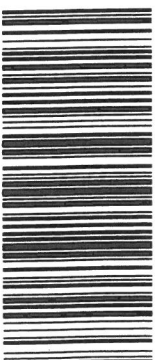
Loc

Quincy Creek
upstream of
SR 65

STORET ↓



G1WA00049

Field ID →
Quincy Creek
upstream of
SR 65

Nov 15, 2017 G1WA00049 11152017

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 11/15/17 Time 10:30	Eastern Central	Collection (comp begin or grab) Date — Time —	Bottle Group(s)
Matrix (Salt, <u>fresh</u>)	Diss. Oxygen (mg/L) 10.03			
Temp (C) 12.72	pH 7.45	Sample Depts (m) 0.1	Sp. Conductance (umho/cm) 72	A, B, C, D, E
Salinity (ppt) 0.03	Comments			
Latitude (Decimal Degrees) 30.597	Longitude (Decimal Degrees) -84.598			
☐ Comp ☒ Grab	Collection (comp begin or grab) Date 11/15/17 Time 11:05	Eastern Central	Collection (comp begin or grab) Date — Time —	Bottle Group(s)
Matrix (Salt, <u>fresh</u>)	Diss. Oxygen (mg/L) 9.78			
Temp (C) 13.86	pH 7.20	Sample Depts (m) 0.15	Sp. Conductance (umho/cm) 55	A, B, C, D E
Salinity (ppt) 0.02	Comments			
Latitude (Decimal Degrees) 30.600	Longitude (Decimal Degrees) -84.581			
☐ Comp ☒ Grab	Collection (comp begin or grab) Date 11/15/17 Time 11:26	Eastern Central	Collection (comp begin or grab) Date — Time —	Bottle Group(s)
Matrix (Salt, <u>fresh</u>)	Diss. Oxygen (mg/L) 9.93			
Temp (C) 13.66	pH 7.36	Sample Depts (m) 0.1	Sp. Conductance (umho/cm) 58	A, B, C, D E
Salinity (ppt) 0.03	Comments			
Latitude (Decimal Degrees) 30.599	Longitude (Decimal Degrees) -84.576			

Relinquished By: Ben Ralys

Date/Time
11/15/17

2:50

Number of Coolers

Received By: ARB

Date/Time
11-15-17 11:4:50

Quincy Creek, Black Creek

Customer: WAS-SECT

Project ID: SMP

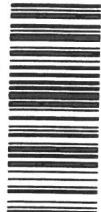
Loc.

Little River 100

meters upstream

File of SR 12

STOET

Field ID

Little River

ST 100 meters

upstream

of SR 12

Nov 15, 2017

G1WA0020 1152017

10

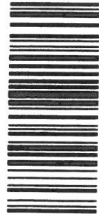
Quincy Creek

100 meters

upstream of

Ralph Strong Rd. G1WA0018

STOET

Field ID

Quincy Creek: H

100 meters

upstream of

Ralph Strong Rd

Nov 15, 2017

G1WA0018 11152017

Location

Field ID

STORE #

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Central Lab Sample Submittal Form

Requester: Curtis Musson

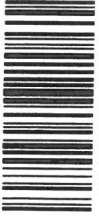
Collected By: Ben Rabys At Jones

At Jones

Field Report Prepared By:

Sampling Agency: FDEP

Page 3 of 3

Little River 100 meters upstream of SR 12 STORET # G1WA00020  Field ID: Little River 100 meters upstream of SR 12 Nov 15, 2017		Quincy Creek 100 meters upstream of Ralph Strong Rd. G1WA00018 STORET # G1WA00018  Field ID: Quincy Creek 100 meters upstream of Ralph Strong Rd Nov 15, 2017		Location Field ID: Little River 100 meters upstream of SR 12 Nov 15, 2017		Location Field ID: Quincy Creek 100 meters upstream of Ralph Strong Rd Nov 15, 2017	
☐ Comp ☒ Grab		☐ Comp ☒ Grab		☐ Comp ☒ Grab		☐ Comp ☒ Grab	
Date: 11/15/17 Time: 1330		Date: 11/15/17 Time: 12:50		Date: 11/15/17 Time: 1330		Date: 11/15/17 Time: 14:50	
Matrix (Salt, Fresh): fresh		Matrix (Salt, Fresh): fresh		Matrix (Salt, Fresh): fresh		Matrix (Salt, Fresh): fresh	
Temp (C): 13.84		Temp (C): 14.25		Temp (C): 7.23		Temp (C): 7.32	
Salinity (ppt): 0.05		Salinity (ppt): 0.03		Salinity (ppt): 0.03		Salinity (ppt): 0.3	
Diss. Oxygen (mg/L): 9.85		Diss. Oxygen (mg/L): 10.21		Diss. Oxygen (mg/L): 9.85		Diss. Oxygen (mg/L): 10.21	
pH: 7.23		pH: 7.32		pH: 7.23		pH: 7.32	
Comments:		Comments:		Comments:		Comments:	
Latitude (Decimal Degrees): 30.5882		Latitude (Decimal Degrees): 30.5837		Latitude (Decimal Degrees): 30.5882		Latitude (Decimal Degrees): 30.5837	
Longitude (Decimal Degrees): -84.4957		Longitude (Decimal Degrees): -84.5503		Longitude (Decimal Degrees): -84.4957		Longitude (Decimal Degrees): -84.5503	
Sample Depts (m): 0.3		Sample Depts (m): 0.3		Sample Depts (m): 0.3		Sample Depts (m): 0.3	
Sp. Conductance (umho/cm): 98		Sp. Conductance (umho/cm): 59		Sp. Conductance (umho/cm): 98		Sp. Conductance (umho/cm): 59	
Bottle Group(s): A, B, C, D		Bottle Group(s): A, B, C, D, E		Bottle Group(s): A, B, C, D		Bottle Group(s): A, B, C, D, E	

Relinquished By: **Ben Bates**

Received By: **AB**

Group: A	Bottle Type: P-1L	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab	6
ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS					
Group: A	Bottle Type: BP-1L	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab	6
CHLSUITE-W					
Group: A	Bottle Type: P-500ML	# of Bottles: 6	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	6
W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC					
Group: A	Bottle Type: P-125ML	# of Bottles: 6	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	6
W-PO4-F					
Group: B	Bottle Type: P-500ML	# of Bottles: 5	Preservative: HNO3	Enter Number of Bottles Sent to Lab	5
W-ICP W-ICPMS					
Group: B	Bottle Type: P-125ML	# of Bottles: 5	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	0
W-NH3					
Group: C	Bottle Type: P-250ML-WO-THI	# of Bottles: 7	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: 10	Preservative: ICE	Enter Number of Bottles Sent to Lab	12
PCR-FILTER PCR-HF183					

Group: F	Bottle Type: PCR-BACR PCR-FILTER	QPCR-P-250ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
----------	--	--------------	-----------------	---------------	-----	-------------------------------------	---

Cooler Packing Worksheet for Request: RQ-2017-11-13-27

Black Creek, Quincy

Ship Cooler On: 11/1/2017

Customer/Project: WAS-SECT/SMP

Assigned To: SEARSON_C

Requester: Curtis Musson

Priority: 3

850-245-8453
2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson

Comments:

No preservatives needed.

Group A: Freshwater

Group B: Metals

Group C: Ecoli

Group D: Tracers (AHERB Short list)

Group E: PCR Filter, HF183

Group F: PCR FILTER, BacR

Requested Analyses:

Bottle Group: A

of Sites: 6

Container ID: P-1L

Qty: 6 Preservation: ICE

Lot # 00069122

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: 6 Preservation: ICE

Lot # 1208913

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Bottle Group: D**# of Sites: 7**

Container ID: BG-1L

Qty: 7

Preservation: ICE

Lot # 00069348

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: 5**

Container ID: QPCR-P-250ML

Qty: 10

Preservation: ICE

Lot # 00068569

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

Bottle Group: F**# of Sites: 1**

Container ID: QPCR-P-250ML

Qty: 2

Preservation: ICE

Lot # 00068569

Description:

Analysis

PCR-BACR

PCR-FILTER

Description

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

Preparation of Samples by Filtration and held for qPCR Analysis