



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

PAGE 1 OF 1

March 2017

Data Qualified?

Yes ☒ No ☐

Location/STORET Station Name: Quincy Creek 100 meters upstream of Ralph Strong Rd.

Date: 11/15/2017

(mm/dd/yyyy)

STORET # G1WA0018

WBID: 1303A

Latitude: 30.5837

County: Gadsden

RQ - 2017-11-13-27

ORG ID: 21FLWQA

Longitude: -84.5503

(Decimal Degrees)

Receiving Body of Water: Little River

Field ID: G1WA0018_11152017

(Decimal Degrees)

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Ben Ralys						☒	☒	☒	☒
AJ Jones					☒				

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>				
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>	12:50	0.3	0.42	10.21	99.6	7.32	0.03	VOB	59	14.25
CEN										

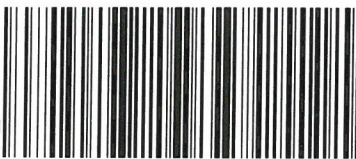
Biological Samples Collected:	<u>None</u>	HA	SCI	RPS	Algae ID	LVS	LVI	Other
SBIO ID Numbers:	SBIO-ID:	RPS-ID:	Macrophyte-ID:	LIMS#:				

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	SA 7275010	10/2/18	☒ <2
Metals	☒ W-ICPMS ☐ W-ICP	☒ Ice ☐ HNO3	NA 7261120	9/18/18	☒ <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-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			

Contains: 1:1 Sulfuric Acid
Lot No.: SA7275010
Expires: 10/02/18
See Safety Data Sheet (SDS)

Contains
1:1
Nitric Acid
NA-7261120
EXP: 09/18/18
See SDS

Notes:
Kit - C
Bacteria
Tracers
Markers - 183
Field ID → Quincy Creek
100 meters
upstream of
Ralph Strong Rd.
Nov 15, 2017



G1WA0018_11152017

Quincy Creek
100 meters
upstream of
Ralph Strong Rd.
STORET ↓
G1WA0018

Signature:

B. Ralys

Date:

11/15/17

Field Parameters Entered into LIMS:

B. Ralys 11/15/17

Field Parameters QC in LIMS:

C. M. 1-26-2018

Date Migrated to STORET:

(Initials/Date)

Field Sheets Scanned/Saved:

C. M. 1-26-2018

(Initials/Date)

(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 hos/cm	Meter Reading μ hos/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:

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 Raby, AS Jones

Field Report Prepared By: Ben Raby

Sampling Agency: FDEP

Page 1 of 3

Black Creek upstream of Bloxham Cutoff

Field ID →

Black Creek upstream of Bloxham Cutoff

Nov 15, 2017

ST

Black Creek upstream of Bloxham Cutoff

Black Creek upstream of SR 375

Field ID →

Black Creek upstream of SR 375

Nov 15, 2017

ST

Black Creek upstream of SR 375

Juniper Creek upstream of Juniper Creek Rd.

Field ID →

Juniper Creek upstream of Juniper Creek Rd.

Nov 15, 2017

ST

Juniper Creek upstream of Juniper Creek Rd.

STORET ↓

G1WA0023_11152017

STORET ↓

G1WA0047_11152017

STORET ↓

G1WA0059_11152017

☐ Comp	☒ Grab	Collection (comp begin or grab)	Date	Time	Bottle Group(s)
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)	5.48	8:20	
Temp (C)		pH	5.85	—	
Salinity (ppt)		Sample Depts (m)	0.3	48	
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)	-84.3858		

☐ Comp	☒ Grab	Collection (comp begin or grab)	Date	Time	Bottle Group(s)
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)	9.29	9:10	
Temp (C)		pH	7.52	—	
Salinity (ppt)		Sample Depts (m)	0.3	99	
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)	-84.693		

☐ Comp	☒ Grab	Collection (comp begin or grab)	Date	Time	Bottle Group(s)
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)	6.61	9:50	
Temp (C)		pH	6.62	—	
Salinity (ppt)		Sample Depts (m)	0.3	102	
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)	-84.736		

Relinquished By: Ben Raby

Date/Time: 11/15/17

2:50

Number of Coolers

Received By: [Signature]

Date/Time: 11-15-17

10:50

Request Number: 2017-11-13-27

Quincy Creek, Black Creek

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Collected By: Ben Rabbs, AJ Jones

Field Report Prepared By: Ben Rabbs

Sampling Agency: FDEP

Page 2 of 3

STORET

Quincy Creek upstream of SR 268

Field ID: Quincy Creek upstream of SR 268

Nov 15, 2017

ST

Quincy Creek upstream of SR 268

Field ID: Quincy Creek upstream of SR 268

Nov 15, 2017

STORET

Quincy Creek upstream of SR 267

Field ID: Quincy Creek upstream of SR 267

Nov 15, 2017

ST

Quincy Creek upstream of SR 267

Field ID: Quincy Creek upstream of SR 267

Nov 15, 2017

STORET

Quincy Creek upstream of SR 65

Field ID: Quincy Creek upstream of SR 65

Nov 15, 2017

ST

Quincy Creek upstream of SR 65

Field ID: Quincy Creek upstream of SR 65

Nov 15, 2017

☐ Comp	☒ Grab	Collection (comp begin or grab)	Date	Time	Eastern Central	Collection (comp begin or grab)	Date	Time	Bottle Group(s)
Matrix (Salt, Fresh)	fresh		11/15/17	10:30					
Diss. Oxygen (mg/L)	10.03								
pH	7.45								
Temp (C)	12.72								
Salinity (ppt)	0.03								
Latitude (Decimal Degrees)	30.597								
Longitude (Decimal Degrees)	-84.598								

☐ Comp	☒ Grab	Collection (comp begin or grab)	Date	Time	Eastern Central	Collection (comp begin or grab)	Date	Time	Bottle Group(s)
Matrix (Salt, Fresh)	fresh		11/15/17	11:05					
Diss. Oxygen (mg/L)	9.78								
pH	7.20								
Temp (C)	13.86								
Salinity (ppt)	0.02								
Latitude (Decimal Degrees)	30.600								
Longitude (Decimal Degrees)	-84.581								

☐ Comp	☒ Grab	Collection (comp begin or grab)	Date	Time	Eastern Central	Collection (comp begin or grab)	Date	Time	Bottle Group(s)
Matrix (Salt, Fresh)	fresh		11/15/17	11:26					
Diss. Oxygen (mg/L)	9.93								
pH	7.36								
Temp (C)	13.66								
Salinity (ppt)	0.03								
Latitude (Decimal Degrees)	30.599								
Longitude (Decimal Degrees)	-84.576								

Relinquished By: Ben Rabbs

Date/Time: 11/15/17 2:50

Number of Coolers: 2

Received By: ARB

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

Group: A	Bottle Type: ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	P-1L	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab	6
Group: A	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab	6
Group: A	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 6	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	6
Group: A	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 6	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	6
Group: B	Bottle Type: W-ICP W-ICPMS	P-500ML	# of Bottles: 5	Preservative: HNO3	Enter Number of Bottles Sent to Lab	5
Group: B	Bottle Type: W-NH3	P-125ML	# of Bottles: 5	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	0
Group: C	Bottle Type: ECOLI-18QT	P-250ML-WO-THI	# of Bottles: 7	Preservative: ICE	Enter Number of Bottles Sent to Lab	7
Group: D	Bottle Type: W-AHERB-AA W-SUC-AA-R W-UHERB-AA	BG-1L	# of Bottles: 7	Preservative: ICE	Enter Number of Bottles Sent to Lab	7
Group: E	Bottle Type: PCR-FILTER PCR-HF183	QPCR-P-250ML	# of Bottles: 10	Preservative: ICE	Enter Number of Bottles Sent to Lab	12

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