



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

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March 2017

Data Qualified?

Yes / No

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

Date: 11/15/2017

(mm/dd/yyyy)

STORET # G1WA0049

WBID: 1303

Latitude: 30.599

(Decimal Degrees)

County: Gadsden

RQ - 2017-11-13-27

ORG ID: 21FLWQA

Longitude: -84.576

(Decimal Degrees)

Receiving Body of Water: Little River

Field ID: G1WA0049 11152017

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°)
EST	11:26	0.2	0.2	9.93	95.5	7.36	0.03	VOB	58	13.66
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	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-183Quincy Creek
upstream of
SR 65

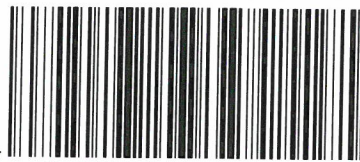
STORET ↓



G1WA0049

Field ID →
Quincy Creek
upstream of
SR 65

Nov 15, 2017



G1WA0049 11152017

Signature:

Date:

11/15/17

Field Parameters Entered into LIMS:

11/4/18

(Initials/Date)

Field Parameters QC in LIMS:

CM 1-26-2018

(Initials/Date)

Date Migrated to STORET:

(Initials/Date)

Field Sheets Scanned/Saved:

CM 1-26-2018

(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 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:

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Request Number: 2017-11-13-27
 Quincy Creek, Black Creek
 Customer: WAS-SECT
 Project ID: SMP
 Requester: Curtis Musson
 Collected By: Ben Rabals, AJ Jones
 Field Report Prepared By: Ben Rabals
 Sampling Agency: FDEP
 Page 2 of 3

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

Relinquished By: Ben Rabals
 Date/Time: 11/15/17 2:50
 Number of Coolers: 2:50
 Received By: [Signature]
 Date/Time: 11-15-17 11:45:50

Quincy Creek
 upstream of
 SR 268
 Field ID: ST
 Nov 15, 2017
 G1WA0051 11152017

Quincy Creek
 upstream of
 SR 267
 Field ID: ST
 Nov 15, 2017
 G1WA0050 11152017

Quincy Creek
 upstream of
 SR 65
 Field ID: ST
 Nov 15, 2017
 G1WA0049 11152017

Quincy Creek, Black Creek

Customer: WAS-SECT

Project ID: SMP

Loc.

Little River 100

meters upstream

File of SR 12

STOET



G1WA0020

Field ID

Little River

ST(100 meters)

upstream

of SR 12

Nov 15, 2017

G1WA0020 11152017

07

Quincy Creek

100 meters

upstream of

Ralph Strong Rd. G1WA0018

STORET →

Field ID

Quincy Creek:k

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: Bea Kays

Sampling Agency: FDEP

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Little River 100 meters upstream of SR 12 GIWA00020_11152017		STORET ☒ Comp ☐ Grab Date 11/15/17 Time 1330		Collection (comp begin or grab) Date — Time —		Bottle Group(s) A, B, C, D	
Field ID → Little River 100 meters upstream of SR 12 Nov 15, 2017		Matrix (Salt, Fresh) Fresh		Diss. Oxygen (mg/L) 9.85		Sp. Conductance (umho/cm) 98	
Temp (C) 13.84		pH 7.23		Sample Depts (m) 0.3		Longitude (Decimal Degrees) -84.4957	
Salinity (ppt) 0.05		Comments		Latitude (Decimal Degrees) 30.5882		Collection (comp begin or grab) Date — Time —	
ST		Quincy Creek 100 meters upstream of Ralph Strong Rd. GIWA00018_11152017		STORET ☒ Comp ☐ Grab Date 11/15/17 Time 12:50		Bottle Group(s) A, B, C, D E	
Field ID → Quincy Creek 100 meters upstream of Ralph Strong Rd. Nov 15, 2017		Matrix (Salt, Fresh) Fresh		Diss. Oxygen (mg/L) 10.21		Sp. Conductance (umho/cm) 59	
Temp (C) 14.25		pH 7.32		Sample Depts (m) 0.3		Longitude (Decimal Degrees) -84.5503	
Salinity (ppt) 0.03		Comments		Latitude (Decimal Degrees) 30.5837		Collection (comp begin or grab) Date — Time —	
ST		Quincy Creek 100 meters upstream of Ralph Strong Rd. GIWA00018_11152017		STORET ☐ Comp ☐ Grab Date — Time —		Bottle Group(s)	
Field ID → Quincy Creek 100 meters upstream of Ralph Strong Rd. Nov 15, 2017		Matrix (Salt, Fresh) Fresh		Diss. Oxygen (mg/L) 9.85		Sp. Conductance (umho/cm) 98	
Temp (C) 13.84		pH 7.23		Sample Depts (m) 0.3		Longitude (Decimal Degrees) -84.4957	
Salinity (ppt) 0.05		Comments		Latitude (Decimal Degrees) 30.5882		Collection (comp begin or grab) Date — Time —	
ST		Quincy Creek 100 meters upstream of Ralph Strong Rd. GIWA00018_11152017		STORET ☐ Comp ☐ Grab Date — Time —		Bottle Group(s)	
Field ID → Quincy Creek 100 meters upstream of Ralph Strong Rd. Nov 15, 2017		Matrix (Salt, Fresh) Fresh		Diss. Oxygen (mg/L) 10.21		Sp. Conductance (umho/cm) 59	
Temp (C) 14.25		pH 7.32		Sample Depts (m) 0.3		Longitude (Decimal Degrees) -84.5503	
Salinity (ppt) 0.03		Comments		Latitude (Decimal Degrees) 30.5837		Collection (comp begin or grab) Date — Time —	
ST		Quincy Creek 100 meters upstream of Ralph Strong Rd. GIWA00018_11152017		STORET ☐ Comp ☐ Grab Date — Time —		Bottle Group(s)	
Field ID → Quincy Creek 100 meters upstream of Ralph Strong Rd. Nov 15, 2017		Matrix (Salt, Fresh) Fresh		Diss. Oxygen (mg/L) 9.85		Sp. Conductance (umho/cm) 98	
Temp (C) 13.84		pH 7.23		Sample Depts (m) 0.3		Longitude (Decimal Degrees) -84.4957	
Salinity (ppt) 0.05		Comments		Latitude (Decimal Degrees) 30.5882		Collection (comp begin or grab) Date — Time —	
ST		Quincy Creek 100 meters upstream of Ralph Strong Rd. GIWA00018_11152017		STORET ☐ Comp ☐ Grab Date — Time —		Bottle Group(s)	
Field ID → Quincy Creek 100 meters upstream of Ralph Strong Rd. Nov 15, 2017		Matrix (Salt, Fresh) Fresh		Diss. Oxygen (mg/L) 10.21		Sp. Conductance (umho/cm) 59	
Temp (C) 14.25		pH 7.32		Sample Depts (m) 0.3		Longitude (Decimal Degrees) -84.5503	
Salinity (ppt) 0.03		Comments		Latitude (Decimal Degrees) 30.5837		Collection (comp begin or grab) Date — Time —	
ST		Quincy Creek 100 meters upstream of Ralph Strong Rd. GIWA00018_11152017		STORET ☐ Comp ☐ Grab Date — Time —		Bottle Group(s)	
Field ID → Quincy Creek 100 meters upstream of Ralph Strong Rd. Nov 15, 2017		Matrix (Salt, Fresh) Fresh		Diss. Oxygen (mg/L) 9.85		Sp. Conductance (umho/cm) 98	
Temp (C) 13.84		pH 7.23		Sample Depts (m) 0.3		Longitude (Decimal Degrees) -84.4957	
Salinity (ppt) 0.05							

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
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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