



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

PAGE 1 OF 1

Data Qualified?

Yes / No

March 2017

Location/STORET Station Name: Quincy Creek upstream of SR 268

Date: 11/15/2017

(mm/dd/yyyy)

STORET # G1WA0051

WBID: 1303

Latitude: 30.597

(Decimal Degrees)

County: Gadsden

RQ - 2017-11-13-27

ORG ID: 21FLWQA

Longitude: -84.598

(Decimal Degrees)

Receiving Body of Water: Little River

Field ID: G1WA0051_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 / <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	10:30	8.7	0.2	10.03	94.6	7.45	.03	VOB	72	12.72
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	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-CI-IC / W-COLOR / W-SO4-IC / W-TDS	☒ Ice			
Physical/Aggregate (Marine)	☐ Alkalinity / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates	☐ MI-FW-QLOC	☐ 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			

Notes:
Kit-C
Bacteria
Tracers
Markers-183

Quincy Creek
upstream of
SR 268



G1WA0051

Field ID →
Quincy Cree
upstream of
SR 268

Nov 15, 2017



G1WA0051_11152017

Signature:

Date:

11/15/17

Field Parameters Entered into LIMS: SAH 11/4/2018

(Initials/Date)

Field Parameters QC in LIMS:

CM 1-26-18

(Initials/Date)

Date Migrated to STORET:

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 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 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	1000	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:

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 # 1206913

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