



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

PAGE 1 OF 8

March 2017

Date Qualified?
Yes / No

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

Date: 9/6/17

(mm/dd/yyyy)

STORET # G1WA0049

WBID: 1303

Latitude: 30.599

(Decimal Degrees)

County: Leon

RQ - 2017-09-04-24

ORG ID: 21FLWQA

Longitude: -84.576

(Decimal Degrees)

Receiving Body of Water: Little River

Field ID: G1WA0049 09062017

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Ben Ralys			X	X		
Phil Homann		X			X	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	1320	0.3	0.3	7.31	91.8	7.04	0.03	VOB	62	24.00
CEN	1115	0.15	0.3	7.73						

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	SA7163030	6/12/18	☒ <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-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	☐ Ice			
	☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Other			

Notes:
Kittc
Bact.
Tracers
Mar Keys
#1-183

Place Label Here
(If Available)Signature: B. R.

Date: 9/7/17

Field Parameters Entered into LIMS: Cm 9-7-17

Field Parameters QC in LIMS:

Date Migrated to STORET: (Initials/Date)Field Sheets Scanned/Saved: Cm 9-7-17
(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.

PH

Meter Biology #2

RQ- 2017-09-04-24

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	9/6/17	7:25	21.44	8.84	8.84	100.0	52.3	-	P	Lab
ICV	Ben Ralys	9/6/17	7:26	21.47	8.84	8.83	99.9	52.3	-	P	Lab
CCV	Ben Ralys	9/6/17	8:24	22.94	8.59	8.72	101.6	52.3	-	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	9/6/17	7:28	170310D	3/2018	1,000	1,000	P	Lab
ICV	Ben Ralys	9/6/17	7:29	170310D	3/2018	1,000	1,001	P	Lab
CCV	Ben Ralys	9/6/17	8:26	170310D	3/2018	1,000	1,001	P	Lab
CCV	Ben Ralys	9/7/17	7:20	170614D	6/2018	100	105	P	Lab

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	9/6/17	7:31	170310B	9/2018	7.0	6.95	33.3	P	Lab
Calibr.	Ben Ralys	9/6/17	7:33	170614A	6/2018	4.0	3.98	204.7	P	Lab
Calibr.	Ben Ralys	9/6/17	7:35	170310C	9/2018	10.0	9.90	-120.3	P	Lab
ICV	Ben Ralys	9/6/17								Lab
CCV	Ben Ralys	9/6/17	3:28	170614A	6/2018	4.0	4.11	194.4	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

Quincy Creek upstream of SR 267
Field IC →
Quincy Creek upstream of SR 267
Sept 6, 2017
STORET ↓
ATWA0050
09062017

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9/6/17 Time 1050	Eastern Central Date	Collection (comp begin or grab) Date	Time	Bottle Group(s)
Matrix (Salt, Fresh) Fresh	Diss. Oxygen (mg/L) 7.59				A, B, C
Temp (C) 24.06	pH 6.97				D, E
Salinity (ppt) 0.03	Comments				
Latitude (Decimal Degrees) 30.600		Longitude (Decimal Degrees) -84.581			

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9/6/17 Time 1115	Eastern Central Date	Collection (comp begin or grab) Date	Time	Bottle Group(s)
Matrix (Salt, Fresh) Fresh	Diss. Oxygen (mg/L) 7.73				A, B, C
Temp (C) 24.00	pH 7.04				D, E
Salinity (ppt) 0.03	Comments				
Latitude (Decimal Degrees) 30.599		Longitude (Decimal Degrees) -84.576			

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9/6/17 Time 1010	Eastern Central Date	Collection (comp begin or grab) Date	Time	Bottle Group(s)
Matrix (Salt, Fresh) Fresh	Diss. Oxygen (mg/L) 4.67				C, D
Temp (C) 23.88	pH 6.05				E
Salinity (ppt) 0.04	Comments				
Latitude (Decimal Degrees) 30.531		Longitude (Decimal Degrees) -84.736			

Relinquished By: Ben Relys	Date/Time: 9/6/17	Number of Coolers: 3	Received By: [Signature]	Date/Time: 9/6/12 1434
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Request Number: 2017-09-04-24

Black Creek, Quincy Creek, Little River

Customer: WAS-SECT

Project ID: SMP

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Central Lab Sample Submittal Form

Requester: Curtis Musson

Collected By: Ben Ralys, Phil Hanson

Field Report Prepared By:

Sampling Agency: FDEP

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Location

Quincy Creek
100 meters
upstream of
Ralph Strong Rd. **GTWA0018**Field ID: →
Quincy Creek
100 meters
upstream of
Ralph Strong Rd.
Sept 6, 2017 **GTWA0018_00062017**

☐ Comp	Collection (comp begin or grab)	Eastern	Collection (comp begin or grab)	Bottle
☒ Grab	Date 9/6/17 Time 1250	Central	Date — Time —	Group(s)
Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)	Sample Depts (m)	Sp. Conductance (umho/cm)	
Fresh	7.77	—	—	A, B
Temp (C)	24.29	7.04	0.2	C, D, F
Salinity (ppt)	0.03	Comments		
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)		
30.5837		-84.5503		

Tanyard Branch 100
meters upstream of
Ralph Strong Rd. **GTWA0005**Field ID: →
Tanyard Branch
100 meters
upstream of Ralph
Strong Rd.
Sept 6, 2017 **GTWA0005_00062017**

☐ Comp	Collection (comp begin or grab)	Eastern	Collection (comp begin or grab)	Bottle
☒ Grab	Date 9/6/17 Time 1240	Central	Date — Time —	Group(s)
Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)	Sample Depts (m)	Sp. Conductance (umho/cm)	
Fresh	6.20	—	—	A
Temp (C)	25.56	7.33	0.1	
Salinity (ppt)	0.13	Comments		
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)		
30.5832		-84.5519		

Little River 100
meters upstream
of SR 12 **GTWA0020**Field ID: →
Little River
100 meters
upstream
of SR 12
Sept 6, 2017 **GTWA0020_00062017**

☐ Comp	Collection (comp begin or grab)	Eastern	Collection (comp begin or grab)	Bottle
☒ Grab	Date 9/6/17 Time 1320	Central	Date — Time —	Group(s)
Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)	Sample Depts (m)	Sp. Conductance (umho/cm)	
Fresh	7.31	—	—	A, C
Temp (C)	25.12	7.06	0.3	D, E
Salinity (ppt)	0.04	Comments		
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)		

Relinquished By:

Date/Time

Number of Coolers

Received By:

Date/Time

Ben Ralys

9/6/17

3

[Signature]

9/6/17

1434

Request Number: 2017-09-04-24

Black Creek, Quincy Creek, Little River

Customer: WAS-SECT

Project ID: SMP

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Requester: Curtis Musson

Collected By: Ben Ralys, Phil Hermann

Page 1 of 3
Field Report Prepared By: Ben Ralys
Sampling Agency: FDEP

Black Creek
upstream of
Bloxham Cutoff
STORET
ST
Field ID: →
Black Creek
upstream of
Bloxham Cutoff
Sept 6, 2017
G1WA0023_09062017

Field ID: →
Black Creek
upstream of
Bloxham Cutoff
Sept 6, 2017
G1WA0023_09062017

Soapstone Branch
100 meters upstream
of SR 375
STORET
ST
Field ID: →
Soapstone Branch
100 meters
upstream of
SR 375
Sept 6, 2017
G1WA0012_09062017

Field ID: →
Soapstone Branch
100 meters
upstream of
SR 375
Sept 6, 2017
G1WA0012_09062017

Black Creek
upstream of
SR 375
STORET
ST
Field ID: →
Black Creek
upstream of
SR 375
Sept 6, 2017
G1WA0047_09062017

Field ID: →
Black Creek
upstream of
SR 375
Sept 6, 2017
G1WA0047_09062017

Relinquished By: Ben Ralys
Date/Time: 9/6/17
Number of Coolers: 3
Received By: [Signature]
Date/Time: 9/6/17 1434

☐ Comp	Collection (comp begin or grab)	Eastern	Collection (comp begin or grab)	Bottle Group(s)
☒ Grab	Date 9/6/17 Time 8:20	Central	Date — Time —	

Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)	pH	Sample Depts (m)	Sp. Conductance (umho/cm)
Fresh	6.29		0.3	59
Temp (C)	24.53			
Salinity (ppt)	0.03	Comments		
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)		
30.27792		-84.3858		

☐ Comp	Collection (comp begin or grab)	Eastern	Collection (comp begin or grab)	Bottle Group(s)
☒ Grab	Date 9/6/17 Time 0857	Central	Date — Time —	

Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)	pH	Sample Depts (m)	Sp. Conductance (umho/cm)
Fresh	6.29		0.3	45
Temp (C)	24.07			
Salinity (ppt)	0.02	Comments		
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)		
30.38625		-84.6355		

☐ Comp	Collection (comp begin or grab)	Eastern	Collection (comp begin or grab)	Bottle Group(s)
☒ Grab	Date 9/6/17 Time 920	Central	Date — Time —	

Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)	pH	Sample Depts (m)	Sp. Conductance (umho/cm)
Fresh	6.83		0.3	48
Temp (C)	24.13			
Salinity (ppt)	0.02	Comments		
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)		
30.325		-84.693		

Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)	pH	Sample Depts (m)	Sp. Conductance (umho/cm)
Fresh	6.83		0.3	48
Temp (C)	24.13			
Salinity (ppt)	0.02	Comments		
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)		
30.325		-84.693		

Group: A	Bottle Type:	P-1L	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab	7 of 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: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab	7 of 7
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 7	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	7 of 7
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 7	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	7 of 7
	W-PO4-F						
Group: B	Bottle Type:	P-500ML	# of Bottles: 3	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	3 of 3
	W-ICP						
	W-ICPMS						
Group: C	Bottle Type:	P-250ML-WO-THI	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab	7 of 7
	ECOLI-18QT						
Group: D	Bottle Type:	BG-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6 of 6
	W-AHERB-AA						
	W-SUC-AA-R						
	W-UHB-AA-R						
Group: E	Bottle Type:	QPCR-P-250ML	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6 of 6
	PCR-FILTER						
Group: F	Bottle Type:	QPCR-P-250ML	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6 of 6
	PCR-FILTER						
	PCR-HF183						

Cooler Packing Worksheet for Request: RQ-2017-09-04-24

Wakulla, Quincy

Ship Cooler On: 8/25/2017

Customer/Project: WAS-SECT/SMP

Assigned To: REYNOLDS_T

Requester: Curtis Musson

Priority: 3

850-245-8453
2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson

Comments:

No preservatives needed.

Group A: Nutrients, Physicals

Group B: Metals

Group C: Ecoli

Group D: Tracers (A-Herb Shortlist)

Group E: PCR-FILTER

Group F: PCR-HF186 + PCR-FILTER

Packing Note:

No FedEx labels

Requested Analyses:

Bottle Group: A

of Sites: 7

Container ID: P-1L

Qty: 7 Preservation: ICE

Lot # 00068657

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: 7 Preservation: ICE

Lot # 1204544

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: BG-1L

Qty: 6 Preservation: ICE

Lot # 00068050

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-AHERB-AA

W-SUC-AA-R

W-UHB-AA-R

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: 3

Container ID: QPCR-P-250ML

Qty: 6 Preservation: ICE

Lot # 00067801

Description:

Analysis

PCR-FILTER

Description

Preparation of Samples by Filtration and held for qPCR Analysis

Bottle Group: F

of Sites: 3

Container ID: QPCR-P-250ML

Qty: 6 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: 08/23/17

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-2017-09-04-24