



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

PAGE 1 OF 1

Data Qualified?

Yes / No

March 2017

Location/STORET Station Name: Little River 100 meters upstream of SR 12

Date: 11/15/2017

(mm/dd/yyyy)

STORET # G1WA0020

WBID: 424

Latitude: 30.5882

County: Gadsden

RQ - 2017-11-13-27

ORG ID: 21FLWQA

Longitude: -84.4957

(Decimal Degrees)

Receiving Body of Water: Lake Talquin

Field ID: G1WA0020 11152017

(Decimal Degrees)

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 / <u>Low</u> / <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)	1:30	0.3	0.38	9.85	95.2	7.23	0.05	VOB	98	13.84				
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	SA7275010	10/2/18	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO3	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-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	☐ Ice			
	☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Other			

Notes:

Kit-C
Bacteria
Tracers
MarkersLittle River 100
meters upstream
of SR 12

STORET ↓



G1WA0020

Field ID →

Little River
100 meters
upstream
of SR 12

Nov 15, 2017



G1WA0020 11152017

Signature:

Date:

11/15/17

Field Parameters Entered into LIMS:

11/4/18

(Initials/Date)

Field Parameters QC in LIMS:

Cn 1-26-2018

(Initials/Date)

Date Migrated to STORET:

(Initials/Date)

Field Sheets Scanned/Saved:

Cn 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	—	P/F	L/F
ICV	Ben Ralys	11/15/17	7:19	20.48	9.02	9.01	100.0	49.2	—	P/F	L/F
CCV	Ben Ralys	11/15/17	3:23	20.28	9.05	8.84	97.8	48.2	—	P/F	L/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	P/F	L/F
ICV	Ben Ralys	11/15/17	7:09	171005D	10/2018	1,000	1,001	P/F	L/F
CCV	Ben Ralys	11/15/17	3:25	171005E	10/2018	100	99	P/F	L/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	P/F	L/F
Calibr.	Ben Ralys	11/15/17	7:13	171005A	10/2018	4.0	4.00	184.7	P/F	L/F
Calibr.	Ben Ralys	11/15/17	7:15	170310C	9/2018	10.0	9.97	-152.2	P/F	L/F
ICV	Ben Ralys	11/15/17	7:16	170310C	9/2018	10.0	9.95	-151.5	P/F	L/F
CCV	Ben Ralys	11/15/17	3:27	171005A	10/2018	4.0	3.92	187.4	P/F	L/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

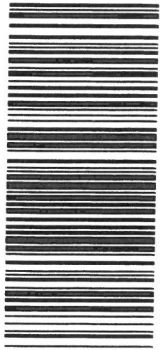
Field Report Prepared By: Ben Kalyas
Sampling Agency: **FDEP**

Collected By: Ben Raks AS Jones

STREET →



G1WA0023

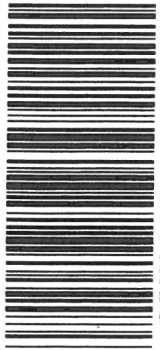


G1WA0023 11152017

→ STORET

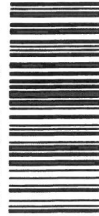


G1WA0047

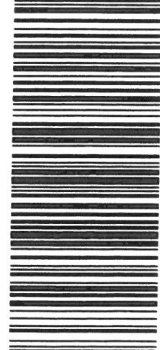


G1WA0047 1152017

STOET



G1WA0059



G1WA0059 11152017

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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Central Lab Sample Submittal Form

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

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Requester: Curtis Musson		Collected By: Ben Rabbs, AJ Jones		Field Report Prepared By: Ben Rabbs		Sampling Agency: FDEP			
Quincy Creek upstream of SR 268 Field ID: Quincy Creek upstream of SR 268 Nov 15, 2017	Quincy Creek upstream of SR 267 Field ID: Quincy Creek upstream of SR 267 Nov 15, 2017	Quincy Creek upstream of SR 65 Field ID: Quincy Creek upstream of SR 65 Nov 15, 2017	☐ Comp ☒ Grab Matrix (Salt, <u>fresh</u>) Temp (C) <u>12.72</u> Salinity (ppt) <u>0.03</u> Latitude (Decimal Degrees) <u>30.597</u>	☐ Comp ☒ Grab Matrix (Salt, <u>fresh</u>) Temp (C) <u>13.86</u> Salinity (ppt) <u>0.02</u> Latitude (Decimal Degrees) <u>30.600</u>	☐ Comp ☒ Grab Matrix (Salt, <u>fresh</u>) Temp (C) <u>13.66</u> Salinity (ppt) <u>0.03</u> Latitude (Decimal Degrees) <u>30.599</u>	Collection (comp begin or grab) Date <u>11/15/17</u> Time <u>10:30</u> Diss. Oxygen (mg/L) <u>10.03</u> pH <u>7.45</u> Comments Sample Depts (m) <u>0.1</u> Sp. Conductance (umho/cm) <u>72</u> Longitude (Decimal Degrees) <u>-84.598</u>	Collection (comp begin or grab) Date <u>11/15/17</u> Time <u>11:05</u> Diss. Oxygen (mg/L) <u>9.78</u> pH <u>7.20</u> Comments Sample Depts (m) <u>0.15</u> Sp. Conductance (umho/cm) <u>55</u> Longitude (Decimal Degrees) <u>-84.581</u>	Collection (comp begin or grab) Date <u>11/15/17</u> Time <u>11:26</u> Diss. Oxygen (mg/L) <u>9.93</u> pH <u>7.36</u> Comments Sample Depts (m) <u>0.1</u> Sp. Conductance (umho/cm) <u>58</u> Longitude (Decimal Degrees) <u>-84.576</u>	Bottle Group(s) <u>A, B, C, D, E</u>

Relinquished By: Ben Rabbs Date/Time: 11/15/17 2:50 Number of Coolers: 2:50 Received By: ARB Date/Time: 11-15-17 11:45:50

Quincy Creek, Black Creek

Customer: WAS-SECT

Project ID: SMP

Loc.

Little River 100

STOET

meters upstream

File of SR 12



G1WA0020

Field ID

Little River
ST 100 meters
upstream
of SR 12

Nov 15, 2017

G1WA0020 1152017

29

Quincy Creek

STORET →

100 meters

upstream of

Ralph Strong Rd. GIWA0018

Field ID

Quincy Creek
100 meters
upstream of
Ralph Strong Rd

Nov 15, 2017

G1WA0018 1152017

-ocation

Field ID

STORE #

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Central Lab Sample Submittal Form

Requester: Curtis Musson

Field Report Prepared By: Ben Kays

Sampling Agency: FDEP

Collected By: Ben Ralys At Jones

At Jones

Page 3 of 3[illegible]

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