



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

March 2017

PAGE 1 OF 1

Data Qualified?

Yes / No

pH

Location/STORET Station Name: Coon Creek 100 meters upstream of CR 69

Date: 10/04/2017

(mm/dd/yyyy)

STORET # G2WA0005

WBID: 885

Latitude: 30.3929

(Decimal Degrees)

County: Calhoun

RQ - 2017-10-02-44

ORG ID: 21FLWQA

Longitude: -85.0625

(Decimal Degrees)

Receiving Body of Water: Apalachicola River

Field ID: G2WA0005_10042017

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Curtis Musson					MA	X			NA
Jessie Tolbert					MA	X			NA

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 / Normal / High / Flooded

Matrix: Fresh / Marine / DI

Meter ID# BIO 2

Photos: Yes / No

Tide Falling: Yes / No / NA

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	950	0.1	0.2					10B		
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 7163030	6/12/18	☐ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <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			

Place Preservative Sticker(s) Here
(If Available)

Notes:

E.coli Coon Creek 100 meters upstream of CR 69

STORET ↓



G2WA0005

Field ID →

Coon Creek 100 meters upstream of CR 69

Oct 4, 2017



G2WA0005_10042017

Signature:

[Signature]

Date:

10/4/17

Field Parameters Entered into LIMS:

CN 10/5/17

Field Parameters QC in LIMS:

10/5/17

Date Migrated to STORET:

(Initials/Date)

Field Sheets Scanned/Saved:

(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 meter

Meter ID: Bio #2

RQ: 2017-10-02-44

Project: SMD

- 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.	Curtis Mussen	10/4/17	728	20.94	8.932	8.93	100.0	52	—	⓪/F	⓪/F
ICV	Curtis Mussen	10/4/17	729	20.89	8.932	8.94	100.0	52	—	⓪/F	⓪/F
CCV	Curtis Mussen	10/4/17	1518	22.91	8.59	8.49	98.8	52	—	⓪/F	⓪/F
CCV										P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

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.	Curtis Mussen	10/4/17	713	170310 D	03/2018	1000	1000	⓪/F	⓪/F
ICV	Curtis Mussen	10/4/17	714	170310 D	03/2018	1000	1000	⓪/F	⓪/F
CCV	Curtis Mussen	10/4/17	1519	170614 D	06/2018	100	104	⓪/F	⓪/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.	Curtis Mussen	10/4/17	715	170310 B	09/2018	7.0	7.00	43	⓪/F	⓪/F
Calibr.	Curtis Mussen	10/4/17	716	170614 A	06/2018	4.01	4.01	215	⓪/F	⓪/F
Calibr.	Curtis Mussen	10/4/17	718	170310 C	09/2018	10.0	9.93	709	P/F	L/F
ICV	Curtis Mussen	10/4/17	1520	170614 A	06/2018	4.01	4.20	202	⓪/F	⓪/F
CCV	Curtis Mussen	10/4/17	1521	170614 A	06/2018	4.01	4.20	202	⓪/F	⓪/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:

Coon, Big, Stafford, Central, Stone Mill
Customer: WAS-SECT
Project ID: SMP

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Requester: Curtis Musson

request.

Collected By: Curtis Musson, Jesse Tolbert

Field Report Prepared By: CEH
Sampling Agency: FDEP

Field |

**Big Branch 50
meter's upstream
of CF 67**

STORET ↓



G1WA0001

Field IC ➔
Big Branch 50
meters
upstream
of CR 67
Oct 4, 2017
G1WA0001 10042017

**Cool Creek 100
meters upstream
of CR 69**

STORÉ ↓



G2WA0005

Field ID ➡
Coon Creek 100
meters upst team
of CR 69
Oct 4, 2017

Stafford Creek
100 meters
upstream of
SR 69

File

STORET ↓



G2WA0004

Field ID →
Stafford Creek
100 meters
upstream of
SR 69
Oct 4, 2017



G2WA0004_10042017

Collection (comp begin or grab)		Time		Collection (comp begin or grab)		Time		Bottle Group(s)	
Comp	Grab	Date	Time	Eastern Central	Date	Time			
☐	☒	19/4/17	13:00						BIC,
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)							
Fresh		7.16							
Temp (C)		pH		Sample Depth (m)		Sp. Conductance (umho/cm)			
22.0		4.92		5		0.05		31	
Salinity (ppt)		Comments							
0.01									
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)							

Collection (comp begin or grab)		Collection (comp begin or grab)		Bottle Group(s)
Date	Time	Date	Time	
☐ Comp ☒ Grab	Date 10/4/17 Time 950 Eastern Central	Date / / Time / : / Eastern Central	Date / / Time / : / Eastern Central	B
Matrix (Salt, Fresh)	Fresh	Diss. Oxygen (mg/L)		
Temp (C)	/	pH		
Salinity (ppt)	/	Sample Depts (m)	0.1	
Latitude (Decimal Degrees)		Sp. Conductance (umho/cm) Comments E. coli only		
Longitude (Decimal Degrees)				

Collection (comp begin or grab)		Date	Time	Bottle Group(s)
☐ Comp ☒ Grab	Date 10/4/17	9:10		A, B
Matrix (Salt) Fresh	Fresh	Diss. Oxygen (mg/L) 6.61		E, F
Temp (C) 21.2	pH 6.93	Sample Depths (m) 0.1		
Salinity (ppt) 0.04	Comments			
Latitude (Decimal Degrees)			Longitude (Decimal Degrees)	

Relinquished By:	Date/Time	Number of Coolers	Received By:	Date/Time
CARL S. MUSSON	10/4/17	1433		10/4/17 1447

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Request Number: RQ-2017-10-02-44
Coon, Big, Stafford, Central, Stone Mill
Customer: WAS-SECT
Project ID: SMP

Requester: Curtis Musson

Collected By: Curtis Musson, Jessie Taber

Field Report Prepared By: Curtis Musson
Sampling Agency: FDEP

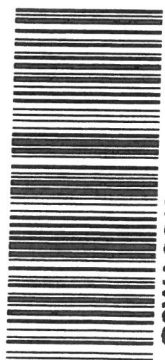
Big Branch
Downstream
of Road 5

STORET ↓



G2WA00010

Field ID →
Big Branch
Downstream
of Road 5
Oct 4, 2017



G2WA00010_10042017

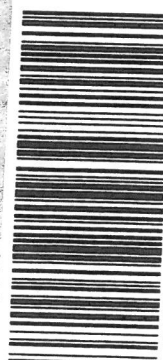
Stone Mill Creek
Upstream of
Dianna St

STORET ↓



G2WA00012

Field ID →
Stone Mill Creek
Upstream of
Dianna St
Oct 4, 2017



G2WA00012_10042017

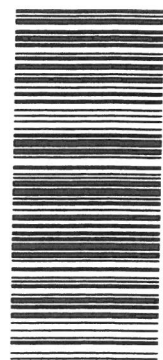
Central Drainage
Ditch downstream
of Orange Ave.

STORET ↓



G1WA00026

Field ID →
Central Drainage
Ditch downstream
of Orange Ave.
Oct 4, 2017



G1WA00026_10042017

☐ Comp ☒ Grab		Collection (comp begin or grab) Date 10/4/17 Time 10:45		Collection (comp begin or grab) Date /		Bottle Group(s)	
Matrix (Salt, Fresh) Fresh		Diss. Oxygen (mg/L) 3.98		Sample Depts (m) 0.15		Sp. Conductance (umho/cm) 26	
Temp (C) 20.9		pH 5.11		Comments			
Salinity (ppt) 0.01		Comments					
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)					
☐ Comp ☒ Grab		Collection (comp begin or grab) Date 10/4/17 Time 11:15		Collection (comp begin or grab) Date /		Bottle Group(s)	
Matrix (Salt, Fresh) Fresh		Diss. Oxygen (mg/L) 6.45		Sample Depts (m) 0.13		Sp. Conductance (umho/cm) 67	
Temp (C) 21.8		pH 6.16		Comments			
Salinity (ppt) 0.03		Comments					
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)					
☐ Comp ☒ Grab		Collection (comp begin or grab) Date 10/4/17 Time 14:10		Collection (comp begin or grab) Date /		Bottle Group(s)	
Matrix (Salt, Fresh) Fresh		Diss. Oxygen (mg/L) 11.74		Sample Depts (m) 0.1		Sp. Conductance (umho/cm) 266	
Temp (C) 25.1		pH 8.36		Comments			
Salinity (ppt) 0.13		Comments					
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)					

Relinquished By: Curtis Musson	Date/Time: 10/4/17	Number of Coolers: 3	Received By: [Signature]	Date/Time: 10/4/17
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Group:	A	Bottle Type:	P-1L	# of Bottles:	4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>4</u>
		ALKALINITY							
		TURBIDITY							
		W-CL-IC							
		W-COLOR							
		W-F							
		W-SO4-IC							
		W-TDS							
		W-TSS							

Group:	A	Bottle Type:	BP-1L	# of Bottles:	4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>4</u>
		CHLSUITE-W							

Group:	A	Bottle Type:	P-500ML	# of Bottles:	4	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	<u>4</u>
		W-NH3							
		W-NO2NO3							
		W-S-A-TP							
		W-TKN							
		W-TOC							

Group:	A	Bottle Type:	P-125ML	# of Bottles:	4	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	<u>4</u>
		W-PO4-F							

Group:	B	Bottle Type:	P-250ML-WO-THI	# of Bottles:	6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>6</u>
		ECOLI-18QT							

Group:	C	Bottle Type:	BG-1L	# of Bottles:	1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>1</u>
		W-AHERB-AA							
		W-SUC-AA-R							
		W-UHERB-AA							

Group:	D	Bottle Type:	QPCR-P-250ML	# of Bottles:	4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>4</u>
		PCR-FILTER							

Group:	E	Bottle Type:	QPCR-P-250ML	# of Bottles:	2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>2</u>
		PCR-BACR							
		PCR-FILTER							

Group:	F	Bottle Type:	BG-1L	# of Bottles:	4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>4</u>
		W-AHERB-AA							
		W-GLYPH							

Group: F	Bottle Type: W-PYR-AA-R W-SUC-AA-R W-UHERB-AA	BG-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
Group: F	Bottle Type: W-PCL-SQ-R	BG-500ML	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6
Group: F	Bottle Type: W-PSNP-TQ	BG-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6

Cooler Packing Worksheet for Request: RQ-2017-10-02-44

Coon, Big, Stafford, Big, Central, Stone Mill

Ship Cooler On: 9/29/2017

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, CHLA, Physical Aggregates

Group B: Microbiology (Bacteria)

Group C: Organics (Wastewater Tracers)

AHERB Short list

Group D: PCR-FILTER

Group E: PCR-BacR, PCR-FILTER

Group F: Pesticides (AHERB Long List)

Requested Analyses:

Bottle Group: A

of Sites: 4

Container ID: P-1L

Qty: 4 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: 4 Preservation: ICE

Lot # 1179138

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: QPCR-P-250ML

Qty: 4 Preservation: ICE

Lot # 00067801

Description:

Analysis

PCR-FILTER

Description

Preparation of Samples by Filtration and held for qPCR Analysis

Bottle Group: E

of Sites: 1

Container ID: QPCR-P-250ML

Qty: 2 Preservation: ICE

Lot # 00067801

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

Bottle Group: F

of Sites: 2

Container ID: BG-1L

Qty: 4 Preservation: ICE

Lot # 00068050

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-AHERB-AA

W-GLYPH

W-PYR-AA-R

W-SUC-AA-R

W-UHERB-AA

Description

Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS

Glyphosate in water matrices by HPLC/MS/MS

Pyraclostrobin 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

Container ID: BG-500ML

Qty: 6 Preservation: ICE

Lot # 00068622

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-PCL-SQ-R

Description

Organochlorine pesticides in water matrices by GC/MS-SIM

Container ID: BG-1L

Qty: 6 Preservation: ICE

Lot # 00068050

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

Description