



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

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March 2017

Data Qualified?

Yes / No

Location/STORET Station Name: Stafford Creek 100 meters upstream of SR 69

Date: 10/04/2017

(mm/dd/yyyy)

STORET # G2WA0004

WBID: 723

Latitude: 30.4991

(Decimal Degrees)

County: Calhoun RQ - 2017-10-02-44

ORG ID: 21FLWQA

Longitude: -85.0427

(Decimal Degrees)

Receiving Body of Water: Apalachicola River

Field ID: G2WA0004_10042017

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

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> / Normal / High / Flooded	Matrix:	<u>Fresh</u> / Marine / DI
Meter ID# BIO 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	9:10	0.1	0.2	6.61	75	6.93	0.04	0.25	81	21.2
CEN								103		

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 J.T. ☒ W-ICP J.T.	☒ 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-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 ☒ W-PCL-SQ-R ☒ W-UHERB-AA ☒ W-GLYPH ☐ W-SUC-AA-R	☒ Ice ☐ Other			

Notes:

E. coli
Tracers
MarkersStafford Creek
100 meters
upstream of
SR 69

STORET ↓



G2WA0004

Field ID: →
Stafford Creek
100 meters
upstream of
SR 69

Oct 4, 2017



G2WA0004_10042017

Signature:

Date:

10-4-17

Field Parameters Entered into LIMS: CM 10/5/17

(Initials/Date)

Field Parameters QC in LIMS:

(Initials/Date)

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: B10 #2

RQ- 2017-10-02-44

Project: SMO

- 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	S2	—	P/F	C/F
ICV	Curtis Mussen	10/4/17	729	20.89	8.932	8.94	100.0	S2	—	P/F	C/F
CCV	Curtis Mussen	10/4/17	1518	22.91	8.59	8.49	98.8	S2	—	P/F	C/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	P/F	C/F
ICV	Curtis Mussen	10/4/17	714	170310 D	03/2018	1000	1000	P/F	C/F
CCV	Curtis Mussen	10/4/17	1519	170614 D	06/2018	100	104	P/F	C/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	03/2018	7.0	7.00	43	P/F	C/F
Calibr.	Curtis Mussen	10/4/17	716	170614 A	06/2018	4.01	4.01	215	P/F	C/F
Calibr.	Curtis Mussen	10/4/17	718	170310 C	03/2018	10.0	9.93	704	P/F	L/F
ICV	Curtis Mussen	10/4/17	1520	170614 A	06/2018				P/F	L/F
CCV	Curtis Mussen	10/4/17	1521	170614 A	06/2018	4.01	4.20	202	P/F	C/F
CCV									P/F	L/F

pH Acceptance criteria ± 0.2 SU;

mV pH 7 Range 0 $\pm$ 50;

mV pH 4 Range +180 $\pm$ 50;

mV pH 10 Range -180 $\pm$ 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
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

Field Report Prepared By: Curtis Musson
Sampling Agency: FDEP

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Collected By: Curtis Musson, Jessie Tolbert

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

STORET ↓
Big Branch
Downstream
of Road 5
Field ID →
Big Branch
Downstream
of Road 5
Oct 4, 2017
G2WA0010_10042017

STORET ↓
Stone Mill Creek
Upstream of
Dianna St
Field ID →
Stone Mill Creek
Upstream of
Dianna St
Oct 4, 2017
G2WA0012_10042017

STORET ↓
Central Drainage
Ditch downstream
of Orange Ave.
Field ID →
Central Drainage
Ditch downstream
of Orange Ave.
Oct 4, 2017
G1WA0026_10042017

Relinquished By: Curtis Musson
Date/Time: 10/4/17 1433
Number of Coolers: 3
Received By: [Signature]
Date/Time: 10/4/17 1447

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Group: A	Bottle Type: ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	P-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab <u>4</u>
Group: A	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab <u>4</u>
Group: A	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 4	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab <u>4</u>
Group: A	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 4	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab <u>4</u>
Group: B	Bottle Type: ECOLI-18QT	P-250ML-WO-THI	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab <u>6</u>
Group: C	Bottle Type: W-AHERB-AA W-SUC-AA-R W-UHERB-AA	BG-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab <u>1</u>
Group: D	Bottle Type: PCR-FILTER	QPCR-P-250ML	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab <u>4</u>
Group: E	Bottle Type: PCR-BACR PCR-FILTER	QPCR-P-250ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab <u>2</u>
Group: F	Bottle Type: W-AHERB-AA W-GLYPH	BG-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab <u>4</u>

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