



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

March 2017

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Data Qualified?

Yes / No

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

Date: 05/24/2017

(mm/dd/yyyy)

STORET # G2WA0004

WBID: 723

Latitude: 30.4991

(Decimal Degrees)

County: Calhoun

RQ - 2017-05-22-25

ORG ID: 21FLWQA

Longitude: -85.0427

(Decimal Degrees)

Receiving Body of Water: Apalachicola River

Field ID: G2WA0004_05242017

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
Ben Ralys				☒	☒				☒ Sample Container	☐ Van Dorn	☐ Pole	
Diana Turner				☒	☒	☒	☒	☒	☐ 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# Biology 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 (umhos/cm)	Temp. (C°)	
EST	12:00	0.15	0.3	9.24	107.1	7.06	0.04	VOB	83	22.7	
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	6302030	10/28/17	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO3	6253070	9/9/17	☒ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um 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			

Contains 1:1 Sulfuric Acid SA-6302030 EXP: 10/28/17 Warning! See SDS

Contains 1:1 Nitric Acid NA-6253 EXP: 09

Notes:

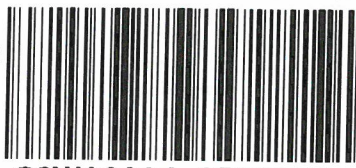
1-Kit C
FW Bact
Pest

Stafford Creek 100
meters upstream
of SR 69



G2WA0004

Field IC →
Stafford Creek
100 meter;
upstream of
SR 69
May 24, 2017



G2WA0004_05242017

Signature:

Date: 5/24/17

Field Parameters Entered into LIMS: DT 5/25/17

Field Parameters QC in LIMS:

Date Migrated to STORET: (Initials/Date)

Field Sheets Scanned/Saved: DT 5/25/17

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 **Biology #2**

RQ- **2017-05-22-25**

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 **09/23/2016**

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	5/24/17	7:42	22.99	8.59	8.59	100.1	28.8	-	P	L
ICV	Ben Ralys	5/24/17	7:45	22.99	8.59	8.60	100.3	28.8	-	P	L
CCV	Ben Ralys	5/24/17	8:05	25.03	8.26	BR					
CCV	Ben Ralys	5/25/17	8:05	22.77	8.627	10.60	123.1	31.8	-	F	L

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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Ben Ralys	5/24/17	7:48	161111D	11/2017	1,000	1,000	P	L
ICV	Ben Ralys	5/24/17	7:49	161111D	11/2017	1,000	1,001	P	L
CCV	Ben Ralys	5/24/17	BR						
CCV	Ben Ralys	5/25/17	8:07	170310E	03/2018	100	104	P	L

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	5/24/17	7:52	170310B	9/2018	7.0	7.0	-1.4	P	L
Calibr.	Ben Ralys	5/24/17	7:55	170310A	3/2018	4.0	4.0	171.1	P	L
Calibr.	Ben Ralys	5/24/17	7:57	161111C	5/2018	10.0	9.89	-165.8	P	L
ICV	Ben Ralys	5/24/17	7:58	161111C	5/2018	10.0				
CCV	Ben Ralys	5/24/17	BR							
CCV	Ben Ralys	5/25/17	8:10	170310A	03/2018	4.0	4.34	153.7	F	L

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU;

mV pH7 Range 0 ± 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

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Request Number: 2017-05-22-25
Big Branch, Stafford, Coon, Stone Mill
Customer: WQ-ASSESS
Project ID: SMP

Requester: Curtis Musson
Collected By: Ben Ralys & Diana Turner

Field Report Prepared By: Diana Turner
Sampling Agency: FDEP

Field ID →
Big Branch 0
meters upstream
of CR 67
May 24, 2017
G1WA0001_05242017

STORET ↓
Big Branch 50
meters upstream
of CR 67
G1WA0001

Field ID →
Big Branch
Downstream
of Road 5
May 24, 2017
G2WA0010_05242017

STORET ↓
Big Branch
Downstream
of Road 5
G2WA0010

Field ID →
Stafford Creek
100 meter
upstream of
SR 69
May 24, 2017
G2WA0004_05242017

STORET ↓
Stafford Creek 100
meters upstream
of SR 69
G2WA0004

Collection (comp begin or grab)		Time	Collection (comp begin or grab)		Time	Bottle Group(s)
Comp	Grab	Date	Eastern Central	Date		
☐	☒	5/24/17	Eastern Central	5/24/17	1:40pm	
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)	Sample Depts (m)	Sp. Conductance (umho/cm)		
Fresh						
Temp (C)	pH	Comments				
Salinity (ppt)	Latitude (Decimal Degrees)		Longitude (Decimal Degrees)		Bottle Group(s)	
	30.3110		-84.7651		C.D. E	
Collection (comp begin or grab)		Time	Collection (comp begin or grab)		Time	Bottle Group(s)
☐	☒	5/24/17	Eastern Central	5/24/17	12:00pm	
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)	Sample Depts (m)	Sp. Conductance (umho/cm)		
Fresh						
Temp (C)	pH	Comments				
Salinity (ppt)	Latitude (Decimal Degrees)		Longitude (Decimal Degrees)		Bottle Group(s)	
	30.4991		-85.0427		A, B, C, F	
Collection (comp begin or grab)		Time	Collection (comp begin or grab)		Time	Bottle Group(s)
☐	☒	5/24/17	Eastern Central	5/24/17	2:55pm	
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)	Sample Depts (m)	Sp. Conductance (umho/cm)		
Fresh						
Temp (C)	pH	Comments				
Salinity (ppt)	Latitude (Decimal Degrees)		Longitude (Decimal Degrees)		Bottle Group(s)	
	30.4991		-85.0427		A, B, C, F	

SAMPLE NOT COLLECTED

Relinquished By: Diana Turner
Date/Time: 5/24/17 2:55pm
Number of Coolers: 2
Received By: [Signature]
Date/Time: 5-24-17 1455

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Central Lab Sample Submittal Form

Request Number: 2017-05-22-25

Big Branch, Stafford, Coon, Stone Mill

Customer: WQ-ASSESS

Project ID: SMP

Requester: Curtis Musson

Field Report Prepared By: FDEP

Collected By:

Sampling Agency: FDEP

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Field ID →
Coon Creek 100
meters upstream
of CR 69
May 24, 2017
G2WA0005_05242017

STORET ↓
Coon Creek 100
meters upstream
of CR 69
G2WA0005

Field ID →
Stone Mill Creek
Upstream of
Dianna St
May 24, 2017
G2WA0012_05242017

STORET ↓
Stone Mill Creek
Upstream of
Dianna St
G2WA0012

Collection (comp begin or grab)		Collection (comp begin or grab)		Collection (comp begin or grab)		Collection (comp begin or grab)	
Comp	Grab	Date	Time	Eastern	Central	Date	Time
☐	☒	5/24/17	12:58 PM	Eastern	Central		
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)		Sample Depts (m)		Sp. Conductance (umho/cm)	
Fresh				0.3			
Temp (C)		pH		Comments			
Salinity (ppt)		Latitude (Decimal Degrees)		Longitude (Decimal Degrees)		Bottle Group(s)	
		30.3929		-85.0625		C	
☐	☒	5/24/17	10:00 AM	Eastern	Central		
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)		Sample Depts (m)		Sp. Conductance (umho/cm)	
Fresh		8.71		0.3		45	
Temp (C)		pH		Comments			
21.81		6.42					
Salinity (ppt)		Latitude (Decimal Degrees)		Longitude (Decimal Degrees)		Bottle Group(s)	
0.02						A, C	
☐	☐						
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)		Sample Depts (m)		Sp. Conductance (umho/cm)	
Temp (C)		pH		Comments			
Salinity (ppt)		Latitude (Decimal Degrees)		Longitude (Decimal Degrees)		Bottle Group(s)	

Relinquished By: Diana Turner

Date/Time

5/24/17 2:55 PM

Number of Coolers

2

Received By:

APD

Date/Time

5-24-17 11:55

Group: A	Bottle Type: P-1L	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS					
Group: A	Bottle Type: BP-1L	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
CHLSUITE-W					
Group: A	Bottle Type: P-500ML	# of Bottles: 2	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC					
Group: A	Bottle Type: P-125ML	# of Bottles: 2	Preservative: ICE-FLTR	Enter Number of Bottles Sent to Lab	2
W-PO4-F					
Group: B	Bottle Type: P-500ML	# of Bottles: 1	Preservative: HNO3	Enter Number of Bottles Sent to Lab	1
W-ICP W-ICPMS					
Group: C	Bottle Type: P-250ML-WO-THI	# of Bottles: 3	Preservative: ICE	Enter Number of Bottles Sent to Lab	4
ECOLI-18QT					
Group: D	Bottle Type: BG-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
W-AHERB-AA W-SUC-AA-R W-UHERB-AA					
Group: E	Bottle Type: QPCR-P-250ML	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
PCR-FILTER					
Group: F	Bottle Type: BG-500ML	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab	4
W-CT-Cl-R W-PCL-SQ-R					

Group: F	Bottle Type: W-GLYPH W-PYR-AA-R	BG-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: F	Bottle Type: W-PSNP-TQ	BG-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4

Cooler Packing Worksheet for Request: RQ-2017-05-22-25

Big Branch, Stafford, Coon

Ship Cooler On: 5/8/2017

Customer/Project: WQAP/SMP

Assigned To:

Requester: Curtis Musson

Priority: 3

850-245-8453
2600 Blair Stone Rd
MS #3525
Tallahassee, FL 32399-2400

Attn: Curtis Musson

Comments:

No preservatives needed.

Group A: Nutrients, CHLA, Physical Aggregates

Group B: Metals

Group C: Microbiology (Bacteria)

Group D: Organics (Wastewater Tracers)

Group E: PCR (Wastewater Markers)

Group F: Pesticides

Packing Notes:

No FedEx labels needed

Requested Analyses:

Bottle Group: A

of Sites: 2

Container ID: P-1L

Qty: 2 Preservation: ICE

Lot # 50067591

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: 2 Preservation: ICE

Lot # 1199139

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-500ML

Qty: 2 Preservation: ICE And H2SO4

Lot # 00067590

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

Description

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 2 Preservation: ICE-FLTR

Lot # 00066993

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group: B

of Sites: 1

Container ID: P-500ML

Qty: 1 Preservation: HNO3

Lot # 00067590

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

Analysis

W-ICP

W-ICPMS

Description

Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Bottle Group: C

of Sites: 3

Container ID: P-250ML-WO-THI

Qty: 3 Preservation: ICE

Lot # 417013

Description:

Analysis

ECOLI-18QT

Description

Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Bottle Group: D

of Sites: 1

Container ID: BG-1L

Qty: 1 Preservation: ICE

Lot # 00067571

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: 1

Container ID: QPCR-P-250ML

Qty: 2 Preservation: ICE

Lot # 00065789

Description:

Analysis

PCR-FILTER

Description

Preparation of Samples by Filtration and held for qPCR Analysis

Bottle Group: F

of Sites: 1

Container ID: BG-500ML

Qty: 4 Preservation: ICE

Lot # 00067107

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-CT-CI-R

W-PCL-SQ-R

Description

Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization

Organochlorine pesticides in water matrices by GC/MS-SIM

Container ID: BG-1L

Qty: 1 Preservation: ICE

Lot # 00067571

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-GLYPH

W-PYR-AA-R

Description

Glyphosate in water matrices by HPLC/MS/MS

Pyraclostrobin in water matrices by HPLC/MS/MS

Container ID: BG-1L

Qty: 4 Preservation: ICE

Lot # 00067571

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-PSNP-TQ

Description

Organonitrogen and phosphorus pesticides (ultra trace level) in water matrices by GC/MS/MS

Cooler Packed By: AB

Date: 5-15-17

DEP Cooler ID #(s): 2

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle (1 per cooler)
- ☒ FedEx Bills, if applicable (1 per cooler)
- ☒ Plastic Bags
- ☒ Zip Ties

If Preservation Included:

ID _____	Lot # _____
ID _____	Lot # _____
ID _____	Lot # _____
ID _____	Lot # _____
ID _____	Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2017-05-22-25