



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Coon Creek 100 meters upstream of CR 69

Date: 04/03/2019

WIN/ Field ID: G2WA0005 ✓

WBID: 885

Latitude: 30.39283938

(mm/dd/yyyy)

County: Calhoun

ORG ID: 21FLWQA

Longitude: -85.06315982

(Decimal Degrees)

Receiving Body of Water: Apalachicola River

RQ- 2018-03-26-25

Sampling Team Members

Jason Storrs

Avril Woods-McGrath

Blake Spencer

WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
	X			
		X		

Sampling Equipment

☒ Sample Container ☐ Van Dorn ☐ Pole
☐ Carboy ☐ Syringe
☐ Dipper ☐ Other
Depth Measured with Motor Stick
Equipment ID

Collection Method

☒ Wading ☐ Canoe/Kayak
☐ From Shore ☐ Electric Motor
☐ Other ☐ Gasoline Motor

Water Level: Dry/ Pooled/ Low / Normal / High / Flooded

Meter ID# NA

Matrix: Fresh / Marine / DI

Photos: Yes / No

Flow: No Flow / Intestinal / Flowing / NA

Tide: Rising/ Falling/ Slack/ NA

Tide Times: High NA Low NA

Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (µmhos/cm)	Temp. (C°)
EST	<u>1150</u> ✓	<u>0.6</u> ✓	<u>0.3</u> ✓	—	—	—	—	—	—	—
CEN										

Biological Samples Collected:

None

HA

SCI

RPS

Algae ID

LVS

LVI

Other:

SBIO ID Numbers:

SBIO-ID:

HA-ID:

RPS-ID:

Macrophyte-ID:

LIMS#:

2075083

Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	☐ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☐ Ice ☐ H ₂ SO ₄			☐ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO ₃			☐ <2
Filtered Nutrients	☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter	☐ Ice			
Chlorophyll	☐ CHLSUTE-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-BR-IC / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates	☐ MI-FW-QLDC	☐ Ice			
Periphyton	☐ ALGAE-ID	☐ Formalin			
Microbiology	☒ E Coli ☐ F Coli ☐ Enterococci	☒ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD	☐ Ice			
Tracers	☐ W-E8321-DI ☐ W-E8321-MS	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-E8321-DI ☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CARB-AA	☐ Ice			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C	☐ Ice			

Notes:

E. Coli

WIN ID / FILED ID →



G2WA0005

Location

Coon Creek
100 meters upstream of CR 69

Signature:

Date:

4/3/19

LIMS EVENT ID: WAS-SECT-2019-04-03-02

WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT:

4/23/19

QC Station ID, Field Parameters In LIMS DMT:

4/30/19

Scan/Save Field Sheets

(Initials/Date)

Migrate Data to WIN:

(Initials/Date)

Verify Data In WIN:

(Initials/Date)

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there are qualified data on this page.

Meter ID: PRO DSS 185104543

2018-03-26-25
RQ- 2019-04-01-10

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.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification _____

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro-meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Blake Spencer	4/3/19	0725	20.2	763.9	9.056	9.12	100.9	—	—	P/F	L/F
ICV	Blake Spencer	4/3/19	0726	20.3	764.0	9.039	9.09	100.7	—	—	P/F	L/F
CCV	Blake Spencer	4/3/19	1548	20.3	764.3	9.039	9.18	101.6	—	—	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 (Pro DSS 0.75 to 1.50); 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.	Blake Spencer	4/3/19	0731	180621C	07/2019	1000	1000	P/F	L/F
ICV	Blake Spencer	4/3/19	0734	1805881	05/2020	100	101.7	P/F	L/F
CCV	Blake Spencer	4/3/19	1551	180621C	07/2019	1000	993	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	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Blake Spencer	4/3/19	0740	180403C	10/2019	7.02	20.2	6.98	-21.8	P/F	L/F
Calibr.	Blake Spencer	4/3/19	0743	180621D	07/2019	4.00	20.4	4.00	153.1	P/F	L/F
Calibr.	Blake Spencer	4/3/19	0746	180621F	01/2020	10.05	20.1	10.05	-190.3	P/F	L/F
ICV	Blake Spencer	4/3/19	0748	180621F	01/2020	10.05	20.1	10.03	-190.3	P/F	L/F
CCV	Blake Spencer	4/3/19	1555	180621D	07/2019	4.00	20.2	4.10	146.1	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)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: _____

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: _____; Date of last 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	Blake Spencer	4/3/19	0750	0.00	0.00	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:

Big Branch, Stafford, Coon, Stone Mill, Big Branch

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Field Report Prepared By:

Collected By: Blake Spencer & Jason Storr

Sampling Agency:

WIN ID / FILED ID	Location	Latitude	Longitude	Comp	Grab	Date	Collection (comp begin or grab)	Time	Matrix (type, e.g., Salt, Fresh, etc)	Temp (C)	pH	Diss. Oxygen	% sat	Sp. Conductance (umho/cm)	Total Res. Chlorine (mg/L)	Bottle Group(s)
G2WA0005	Coon Creek 100 meters upstream of CR 69	30.3928	-85.0632	☒ dd ☐ dms	☒ dd ☐ dms	4/3/19	Fresh	1150						0.3		C
G2WA0012	Stone Mill Creek Upstream of Dianna St.	30.1579	-85.2305	☒ dd ☐ dms	☒ dd ☐ dms	4/3/19	Fresh	1012				74.6		0.3		A, B, C, D
G2WA0010	Big Branch Downstream of Road 5	30.1583	-85.2520	☒ dd ☐ dms	☒ dd ☐ dms	4/3/19	Fresh	1104				62.2		0.15		A, C
G2WA0004	Stafford Creek 100 meters upstream of SR 69	30.4991	-85.0427	☒ dd ☐ dms	☒ dd ☐ dms	4/3/19	Fresh	1215				94.6				A, B, C, D

Relinquished By:

Date/Time

4/3/19 1525

Shipping Method

Shipping Method
Hand Delivered

Number of Coolers Shipped:

Received By:

Date/Time

4.3.19/15.25

Group: A	Bottle Type:	P-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: A	ALKALINITY					3
	TURBIDITY					
	W-CL-IC					
	W-COLOR					
	W-F					
	W-SO4-IC					
	W-TDS					
W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: A	CHLSUITE-W					3
	W-NH3	P-500ML	# of Bottles: 3	Preservative: ICE And H2SO4		3
	W-NO2NO3					
	W-S-A-TP					
	W-TKN					
	W-TOC					
Group: A	Bottle Type:	P-125ML	# of Bottles: 3	Preservative: FILTER-ICE		Enter Number of Bottles Sent to Lab
Group: B	W-PO4-F					3
	W-CARB-AA	BG-500ML	# of Bottles: 2	Preservative: CH2CICOOH Pre-Preserved		2
Group: B	W-CT-Cl-R	BG-500ML	# of Bottles: 6	Preservative: ICE		6
	W-PCL-SQ-R					
Group: B	W-E8321-DI	BG-500ML	# of Bottles: 2	Preservative: ICE		2
	W-E8321-MS					
Group: B	W-ICP	P-500ML	# of Bottles: 2	Preservative: HNO3		2
	W-ICPMS					
Group: B	W-PSNP-TQ	BG-1L	# of Bottles: 6	Preservative: ICE		6

Group: C	Bottle Type: P-250ML-WO-THI ECOLI-18QT	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
Group: D	Bottle Type: QPCR-P-250ML PCR-FILTER	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: D	Bottle Type: BG-500ML W-E8321-DI W-E8321-MS	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1

Cooler Packing Worksheet for Request: RQ-2018-03-26-25

Big Branch, Stafford, Coon, Stone Mill, Big Branch

Ship Cooler On: 3/20/2018

Customer/Project: WAS-SECT/SMP

Assigned To: GREENWOO_J

Requester: Curtis Musson

Priority: 3

850-245-8453

2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson

Comments:

No preservatives needed.

- 3 Group A: Freshwater Kit
- 2 Group B: pesticides, Metals
- 5 Group C: E. coli
- 1 Group D: Tracers, Markers

Packing Notes:

No FedEx Labels

No Trash Bags

No Zip Ties

2 Submittal forms

Requested Analyses:

Bottle Group: A

of Sites: 3

Container ID: P-1L

Qty: 3 Preservation: ICE

Lot # 00070681

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: 3 Preservation: ICE

Lot # 1215081

Description: Brown Plastic Bottle 1L

Analysis

Description

Container ID: P-500ML

Qty: 3 Preservation: ICE And H2SO4

Lot # 00068654

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

AnalysisW-NH3
W-NO2NO3
W-S-A-TP
W-TKN
W-TOCDescriptionAmmonia 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: 3 Preservation: FILTER-ICE

Lot # 00069732

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: 2

Container ID: BG-500ML

Qty: 2 Preservation: CH2CICOOH Pre-Preserved

Lot # 00068229

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-CARB-AA

Description

Carbamates in water matrices by HPLC/MS/MS

Container ID: BG-500ML

Qty: 6 Preservation: ICE

Lot # 00070885

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

AnalysisW-CT-CI-R
W-PCL-SQ-RDescriptionOrganochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization
Organochlorine pesticides in water matrices by GC/MS-SIM

Container ID: BG-500ML

Qty: 2 Preservation: ICE

Lot # 00070085

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

AnalysisW-E8321-DI
W-E8321-MSDescriptionPesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Container ID: P-500ML

Qty: 2 Preservation: HNO3

Lot # 00068654

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

Container ID: BG-1L

Qty: 6 Preservation: ICE

Lot # 00069911

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

Bottle Group: C

of Sites: 5

Container ID: P-250ML-WO-THI

Qty: 5 Preservation: ICE

Lot # 117167

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: QPCR-P-250ML

Qty: 2 Preservation: ICE

Lot # 00069545

Description: 250ml Sterile Nalgene (2)

Analysis

PCR-FILTER

Description

Preparation of Samples by Filtration and held for qPCR Analysis

Container ID: BG-500ML

Qty: 1 Preservation: ICE

Lot # 00070085

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-E8321-DI

W-E8321-MS

Description

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Cooler Packed By:

J. D.

Number of Coolers:

3

Date:

3/20/18

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle
- ☐ FedEx Bills, if applicable
- ☐ Plastic Bags
- ☐ Zip Ties

If Preservation Included:

ID	<u>MCFA Buffer Solution</u>	Exp	<u>1/10/19</u>	Lot #	<u>88817</u>
ID		Exp		Lot #	
ID		Exp		Lot #	
ID		Exp		Lot #	
ID		Exp		Lot #	

PLEASE RETURN ALL COOLERS FOR RQ-2018-03-26-25