FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified? Yes / No

WIN Station Name: Stone Mill Creek Upstream Dianna St. **Date:** 04/03/2019 ✓ (mm/dd/yyyy)

WIN/ Field ID: G2WA0012 ✓ **WBID:** 1075 **Latitude:** 30.15788847 (Decimal Degrees)

County: Gulf **ORG ID:** 21FLWQA ✓ **Longitude:** -85.23051114 (Decimal Degrees)

Receiving Body of Water: Chipola River **RQ-** 2018-03-26-25

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Jason Storrs	X	X		X	X
Avril Woods-McGrath Blake Spencer			X	X	X

Sampling Equipment
- [x] Sample Container [ ] Van Dorn [ ] Pole
- [ ] Carboy [x] Syringe
- [ ] Dipper [ ] Other
- Depth Measured with: YSI DSS Pro
- Equipment ID:

Collection Method
- [x] Wading [ ] Canoe/Kayak
- [ ] From Shore [ ] Electric Motor
- [ ] Other [ ] Gasoline Motor

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

Meter ID# ProDSS 155075

Matrix: (Fresh) / Marine / DI

Photos: Yes / (No)

Flow: No Flow / Intestital / (Flowing) / NA

Tide: Rising/ Falling/ Slack/ (NA)

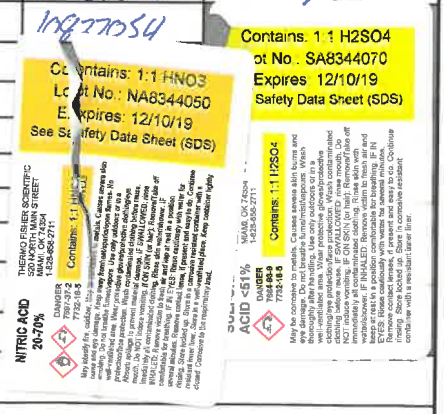
Tide Times: High NA Low NA

Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPTh)	Sp COND (µmhos/cm)	Temp. (C°)
EST	1012 ✓	0.9 ✓	0.3 ✓	0.6 ✓	7.14 ✓	74.6 ✓	5.59 ✓	0.03 ✓	55.5 ✓	17.4 ✓
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#: 2075074

Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	[x] W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	[x] Ice [x] H_2SO_4	SA8344070	12/10/19	[ ] <2
Metals	[x] W-ICPMS [x] W-ICP	[x] Ice [x] HNO_3	NA8344050	12/10/19	[x] <2
Filtered Nutrients	[x] W-PO4-F [x] Field Filtered 0.45 µm Filter	[x] Ice	IN8277054		
Chlorophyll	[x] CHLSUITE-W	[x] Ice			
Physical/Aggregate (Fresh)	[x] Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	[x] Ice			
Physical/Aggregate (Marine)	[ ] Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	[ ] Ice			
Macroinvertebrates	[ ] MI-FW-QLDC	[ ] Formalin			
Periphyton	[ ] ALGAE-ID	[ ] Ice			
Microbiology	[x] E Coli [ ] F Coli [ ] Enterococci	[x] Ice			
Molecular	[x] PCR-FILTER [ ] PCR-BacR [ ] PCR-GULL2 [ ] PCR-HF183 [ ] PCR-DG3 [ ] PCR-GFD	[x] Ice			
Tracers	[ ] W-E8321-DI [ ] W-E8321-MS	[ ] Ice			
Pesticides	[x] W-PSNP-TQ [x] W-CT-CL-R [x] W-E8321-DI [x] W-PCL-SQ-R [x] WE8321-MS [x] W-CARB-AA	[x] Ice			
Phytoplankton	[ ] DTY-QN-C [ ] PKD-QN-C	[ ] Ice			



Notes:
Nutrients
E. Coli
Metals
Pesticides
~~Toxins~~
Markers

WIN ID / FILED ID → G2WA0012

Location: Stone Mill Creek Upstream of Dianna St.

Signature: **Date:** 4/3/2019

LIMS EVENT ID: WAS-SECT-2019-04-03-02 **WIN Import ID:**

Enter Field Parameters, Verify Station ID In LIMS DMT: [illegible] 4/23/19 (Initials/Date) **QC Station ID, Field Parameters In LIMS DMT:** [illegible] 4/30/19 (Initials/Date)

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)

2018-03-26-25

Meter ID: PRO DSS 18J104543 RQ- 2019-04-01-10 Project: SMP

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

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 µmhos/cm	Meter Reading µmhos/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	180581	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 ± 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	-190.7	(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 ± 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 ± 5 % or ± 0.05m, whichever is greater.

COMMENTS:

Request Number: RQ-2018-03-26-25

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

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Collected By: Blake Spencer & Jason Starrs

Field Report Prepared By: Blake Spencer

Sampling Agency: FDEP

Location WIN ID / FILED ID → G2WA0005

Coon Creek
100 meters upstream of CR 69

Latitude 30.3928 ☒ dd ☐ dms | Longitude -85.0632 ☒ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 4/3/19 Time 1150 Eastern Central | Composite end Date Time | Bottle Group(s) (See pg 2): C

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen — ☐ mg/L ☐ % sat | Total Res. Chlorine (mg/L) —

Temp (C) — | pH — | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) —

Salinity (ppt) — | Comments

Location WIN ID / FILED ID → G2WA0012

Stone Mill Creek
Upstream of Dianna St.

Latitude 30.1579 ☒ dd ☐ dms | Longitude -85.2305 ☒ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 4/3/19 Time 1012 Eastern Central | Composite end Date Time | Bottle Group(s): A, B, C, D

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 74.6 ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 17.4 | pH 5.59 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 55.5

Salinity (ppt) 0.03 | Comments

Location WIN ID / FILED ID → G2WA0010

Big Branch Downstream of Road 5

Latitude 30.1583 ☒ dd ☐ dms | Longitude -85.2520 ☒ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 4/3/19 Time 1104 Eastern Central | Composite end Date Time | Bottle Group(s): A, C

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 62.2 ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 14.7 | pH 4.36 | Sample Depth 0.15 ☐ ft ☐ m | Sp. Conductance (umho/cm) 23.4

Salinity (ppt) 0.01 | Comments

Location WIN ID / FILED ID → G2WA0004

Stafford Creek 100 meters
upstream of SR 69

Latitude 30.4991 ☒ dd ☐ dms | Longitude -85.0427 ☒ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 4/3/19 Time 1213 Eastern Central | Composite end Date Time | Bottle Group(s): A, B, C, D

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 94.6 ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 17.2 | pH 6.08 | Sample Depth ☐ ft ☒ m | Sp. Conductance (umho/cm) 58.0

Salinity (ppt) 0.03 | Comments

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
[signature]	4/3/19 1525	Hand Delivered	~~2~~ 3	[signature]	4.3.19 / 15:25

Group: A	Bottle Type:	P-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	ALKALINITY 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	3
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 3	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	3
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC				H2SO4 LOT# SA8344070 EXP: 12/10/2019		
Group: A	Bottle Type:	P-125ML	# of Bottles: 3	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	3
	W-PO4-F						
Group: B	Bottle Type:	BG-500ML	# of Bottles: 2	Preservative:	CH2ClCOOH Pre-Preserved	Enter Number of Bottles Sent to Lab	2
	W-CARB-AA						
Group: B	Bottle Type:	BG-500ML	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6
	W-CT-CI-R W-PCL-SQ-R						
Group: B	Bottle Type:	BG-500ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	W-E8321-DI W-E8321-MS						
Group: B	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	2
	W-ICP W-ICPMS				Lot #: NA8344050 Exp: 12/10/19		
Group: B	Bottle Type:	BG-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6
	W-PSNP-TQ						

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

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 Submital forms

Requested Analyses:

Bottle Group: A **# of Sites: 3**

Container ID: P-1L **Qty: 3** **Preservation: ICE** **Lot #** 0007068l

Description: Plastic Bottle 1L

Analysis	Description
ALKALINITY	Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Turbidity in aqueous matrices
W-CL-IC	Chloride in aqueous matrices
W-COLOR	True Color measured at 450 nm
W-F	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Sulfate in aqueous matrices
W-TDS	Total Dissolved Solids in aqueous matrices
W-TSS	Total Suspended Solids in aqueous matrices

Container ID: BP-1L **Qty: 3** **Preservation: ICE** **Lot #** 1215081

Description: Brown Plastic Bottle 1L

Analysis	Description

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

Container ID: P-500ML **Qty: 3** **Preservation: ICE And H2SO4** **Lot #** 0001681654

Description: Plastic Bottle 500 mL Affix YELLOW sulfuric acid dot to container.

Analysis	Description
W-NH3	Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML **Qty: 3** **Preservation: FILTER-ICE** **Lot #** 0001A732

Description: Plastic Bottle 125 mL

Analysis	Description
W-PO4-F	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 #** 0001682229

Description: Brown Glass Bottle 500ML Affix BLUE dot to container.

Analysis	Description
W-CARB-AA	Carbamates in water matrices by HPLC/MS/MS

Container ID: BG-500ML **Qty: 6** **Preservation: ICE** **Lot #** 0001700885

Description: Brown Glass Bottle 500ML Affix BLUE dot to container.

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

Container ID: BG-500ML **Qty: 2** **Preservation: ICE** **Lot #** 0001700885

Description: Brown Glass Bottle 500ML Affix BLUE dot to container.

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

Container ID: P-500ML **Qty: 2** **Preservation: HNO3** **Lot #** 0006B654

Description: Plastic Bottle 500 mL Affix RED nitric acid dot to container.

Analysis	Description
W-ICP	Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
W-ICPMS	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	Description
W-PSNP-TQ	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 #** 17167

Description:

Analysis	Description
ECOLI-18QT	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	Description
PCR-FILTER	Preparation of Samples by Filtration and held for qPCR Analysis

Container ID: BG-500ML **Qty: 1** **Preservation: ICE** **Lot #** 00076085

Description: Brown Glass Bottle 500ML Affix BLUE dot to container.

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

Cooler Packed By: J.C. 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 MCAA Buffer Solution	Exp 1/10/19	Lot # 88817
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____

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