



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: 05/23/2019 ✓
(mm/dd/yyyy)

WIN/ Field ID: G2WA0012 ✓

WBID: 1075

Latitude: 30.15788847

County: Gulf

ORG ID: 21FLWQA

Longitude: -85.23051114

Receiving Body of Water: Chipola River

RQ- 2018-10-29-24

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
Blake Spencer							☒ Sample Container	☐ Van Dorn	☐ Pole		
Jess Mostyn							☐ Carboy	☒ Syringe			
							☐ Dipper	☐ Other			
							Depth Measured with <u>Meter Stick</u>				
							Equipment ID				
							Collection Method				
							☒ Wading	☐ Canoe/Kayak			
							☐ From Shore	☐ Electric Motor			
							☐ Other	☐ Gasoline Motor			
Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded							Meter ID# <u>PROBIS 185104543</u>		Matrix: <u>Fresh</u> / Marine / DI		
Photos: Yes / <u>No</u>		Flow: No Flow / Intestinal / <u>Flowing</u>		Tide: Rising/ Falling/ Slack/ <u>NA</u>		Tide Times: High <u>NA</u> Low <u>NA</u>					
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>1015</u>		<u>0.3</u>		<u>5.58</u>	<u>65.5</u>	<u>6.35</u>	<u>0.03</u>	<u>67.1</u>	<u>23.4</u>	
CEN		<u>0.8</u>		<u>0.7</u>							
Biological Samples Collected: <u>None</u> HA SCI RPS Algae ID LVS LVI Other:											
SBIO ID Numbers:		SBIO-ID:	HA-ID:	RPS-ID:	Macrophyte-ID:		LIMS#:				
Parameter Suite	Parameter Methods				Preservation	Lot#	Expiration	pH Check			
Preserved Nutrients	☒ W-NH3 / ☒ W-NO2NO3 / ☒ W-TKN / ☒ W-TOC / ☒ W-S-A-TP				☒ Ice ☒ H2SO4	<u>SA8344020</u>	<u>12/10/19</u>	☒ <2			
Metals	☒ W-ICPMS ☒ W-JCP				☒ Ice ☒ HNO3	<u>NA8344050</u>	<u>12/10/19</u>	☒ <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-BR-IC / ☐ W-F / ☐ W-TSS / ☐ TURBIDITY				☐ Ice						
Macroinvertebrates	☐ MI-FW-QLDC				☐ Formalin						
Periphyton	☐ ALGAE-ID				☐ Ice						
Microbiology	☒ E Coli ☐ F Coli ☐ Enterococci				☒ Ice						
Molecular	☒ PCR-FILTER ☐ PCR-BacR ☐ PCR-GULL2				☒ Ice						
	☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD										
Tracers	☐ W-E8321-DI ☐ W-E8321-MS				☐ Ice						
Pesticides	☒ W-PSNP-TQ ☒ W-CT-CL-R ☒ W-E8321-DI				☒ Ice						
	☒ W-PCL-SQ-R ☒ WE8321-MS ☒ W-CARB-AA										
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C				☐ Ice						
Notes: Nutrients E. Coli Metals Pesticides							WIN ID / FILED ID → G2WA0012 Location: Stone Mill Creek Upstream of Dianna St.				
Signature: <u>[Signature]</u>							Date: <u>5/23/19</u>				

LIMS EVENT ID: WAS-SECT-2019-05-23-01

WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT: 6/11/19

QC Station ID, Field Parameters In LIMS DMT: AWM 6/14/19

Scan/Save Field Sheets

Migrate Data to WIN: DT/6-26-19

Verify Data In WIN:

(Initials/Date)

(Initials/Date)

(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: 185104543

RQ- 2018-10-29-24

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	5/23/19	0730	20.9	761.7	8.932	8.93	100.1	—	—	P / F	L / F
ICV	Blake Spencer	5/23/19	0732	21.1	761.9	8.898	8.90	100.1	—	—	P / F	L / F
CCV	Blake Spencer	5/23/19	1538	25.9	760.7	8.124	8.12	99.9	—	—	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	5/23/19	0735	180621C	07/20/19	1000	1000	P / F	L / F
ICV	Blake Spencer	5/23/19	0737	180621C	07/20/19	1000	1000	P / F	L / F
CCV	Blake Spencer	5/23/19	1541	2808884	07/20/20	100	102.7	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	5/23/19	0742	180621F	01/20/20	7.01	21.5	7.01	7.5	P / F	L / F
Calibr.	Blake Spencer	5/23/19	0749	180621F	10/20/20	4.01	21.5	3.96	150.0	P / F	L / F
Calibr.	Blake Spencer	5/23/19	0753	180621F	01/20/20	10.05	21.6	10.03	-18.0	P / F	L / F
ICV	Blake Spencer	5/23/19	0756	180621F	01/20/20	10.05	21.6	10.03	-18.1	P / F	L / F
CCV	Blake Spencer	5/23/19	1543	190405B	10/20/20	4.01	21.7	4.06	146.0	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: Meter Stick; 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						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 Laboratory Submittal Form**

Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By: Blake Spencer

Project ID: SMP

Collected By: Blake Spencer & Jess MastynSampling Agency: FDEP

Location		WIN ID / FILED ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Matrix (type, e.g., Salt, Fresh, etc)	Date 5/23/19	Time 1015	Diss. Oxygen	mg/L	% sat	Total Res. Chlorine	(See pg 2)
WIN/STORET	Stone Mill Creek Upstream of Dianna St.				65.5				
Latitude	30.15788847	Temp (C)	23.4	pH	6.35	Sample Depth	0.3	Sp. Conductance (umho/cm)	67.1
Longitude	-85.23051114	Salinity (ppt)	0.03	Comments					
Location		WIN ID / FILED ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Matrix (type, e.g., Salt, Fresh, etc)	Date 5/23/19	Time 1101	Diss. Oxygen	mg/L	% sat	Total Res. Chlorine	
WIN/STORET #	Big Branch Downstream of Road 5				39.0				
Latitude	30.15825339	Temp (C)	24.1	pH	5.21	Sample Depth	0.1	Sp. Conductance (umho/cm)	75.6
Longitude	-85.25200674	Salinity (ppt)	0.01	Comments					
Location		WIN ID / FILED ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Matrix (type, e.g., Salt, Fresh, etc)	Date 5/23/19	Time 1207	Diss. Oxygen	mg/L	% sat	Total Res. Chlorine	
WIN/STORET #	Coon Creek 100 meters upstream of CR 69								
Latitude	30.39283938	Temp (C)		pH		Sample Depth		Sp. Conductance (umho/cm)	
Longitude	-85.06315982	Salinity (ppt)		Comments					
Location		WIN ID / FILED ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Matrix (type, e.g., Salt, Fresh, etc)	Date 5/23/19	Time 1250	Diss. Oxygen	mg/L	% sat	Total Res. Chlorine	
WIN/STORET #	Willson Mill Creek Upstream of 274				93.1				
Latitude	30.5777	Temp (C)	26.7	pH	7.00	Sample Depth	0.1	Sp. Conductance (umho/cm)	83.7
Longitude	-85.0591	Salinity (ppt)	0.04	Comments					

Relinquished By: Blake Spencer

Date/Time

Shipping Method

Number of Coolers Shipped: 3Received By: [Signature]

Date/Time

5/23/19 1522

Group: A	Bottle Type: ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: A	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: A	Bottle Type: ECOLI-18QT	P-250ML-WO-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: A	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML H2SO4 LOT# 598344878 EXP: 12/18/2019	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	1
Group: A	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: P-250ML-WO-THI		# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2

Group: B	Bottle Type: ECOLI-18QT	P-250ML-WO-THI	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: PCR-FILTER	QPCR-P-500ML	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: W-CARB-AA	BG-500ML	# of Bottles: 2	Preservative: CH ₂ ClCOOH Pre-Preserved	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: W-CT-CI-R W-PCL-SQ-R	BG-500ML	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab	6
Group: B	Bottle Type: W-E8321-DI W-E8321-MS	BG-500ML	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: W-ICP W-ICPMS	P-500ML HNO ₃ LOT# N98344059 EXP: 12/18/2019	# of Bottles: 2	Preservative: HNO ₃	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML H ₂ SO ₄ LOT# S98344070 EXP: 12/18/2019	# of Bottles: 2	Preservative: ICE And H ₂ SO ₄	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 2	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: W-PSNP-TQ	BG-1L	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab	6
Group: C	Bottle Type: ECOLI-18QT	P-250ML-WO-THI	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: D	Bottle Type: ALGAL_ID	PT-50ML	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: D	Bottle Type: MI-FW-QLDC	PJ-2L	# of Bottles: 2	Preservative: Formalin	Enter Number of Bottles Sent to Lab	2

Cooler Packing Worksheet for Request: RQ-2018-10-29-24

Group 2 Run

Ship Cooler On: 10/25/2018

Customer/Project: WAS-SECT/SMP

Assigned To: REYNOLDS_T

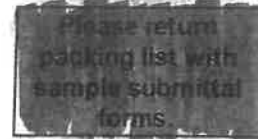
Requester: Curtis Musson

Priority: 3

850-245-8453
2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson



Comments:

No preservatives needed.

5/22/2019

Group A: Nutrients E.coli
WBID 1154, Big Branch

Big Branch

Group B: Nutrients, Metals, Pesticides, PCR, E.coli

WBID 723: ~~Stafford Creek~~ Willson Mill Creek
WBID 1075: Stone Mill Creek Stone Mill Creek

~~Group C: E.coli,~~

~~WBID 885: Coon Creek~~ - Coon Creek

~~Group D: SCI, Algal ID~~

~~WBID 1075: Stone Mill Creek~~

Adding LC QC bottle to Group B.

Requested Analyses:

Bottle Group: A

of Sites: 1

Container ID: P-1L

Qty: 1 Preservation: ICE

Lot # 00072522

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 using a maximum of 250 mL of sample

Container ID: BP-1L

Qty: 1 Preservation: ICE

Lot # 1233955

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-250ML-WO-THI

Qty: 1 Preservation: ICE

Lot # L18245

Description: 250 ml Sterilized no tablet

Analysis

ECOLI-18QT

Description

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

Container ID: P-500ML

Qty: 1 Preservation: ICE And H2SO4

Lot # 00071864

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: 1 Preservation: FILTER-ICE

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: 2

Container ID: P-1L

Qty: 2 Preservation: ICE

Lot # 00672522

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

Description

Alkalinity in aqueous matrices as mg CaCO3/L

Turbidity in aqueous matrices

Chloride in aqueous matrices

True Color measured at 450 nm

W-F
W-SO4-IC
W-TDS
W-TSS

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 using a maximum of 250 mL of sample

Container ID: BP-1L

Qty: 2 Preservation: ICE

Lot # 1233755

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-250ML-WO-THI

Qty: 2 Preservation: ICE

Lot # L18245

Description: 250 ml Sterilized no tablet

Analysis

ECOLI-18QT

Description

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

Container ID: QPCR-P-500ML

Qty: 2 Preservation: ICE

Lot # 00071457

Description: 500ml Sterile Nalgene

Affix PCR Instruction Label to container

Analysis

PCR-FILTER

Description

Preparation of Samples by Filtration and held for qPCR Analysis

Container ID: BG-500ML

Qty: 2 Preservation: CH2CICOOH Pre-Preserved Lot # 00071791

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 # 0007191

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-500ML

Qty: 2 Preservation: ICE

Lot # 00071991

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

Container ID: P-500ML

Qty: 2 Preservation: HNO3

Lot # 00071864

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: P-500ML

Qty: 2 Preservation: ICE And H2SO4

Lot # 00071864

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: FILTER-ICE

Lot # 00066993

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Container ID: BG-1L

Qty: 6 Preservation: ICE

Lot # 1233955

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-PSNP-TQ

Description

Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS

Bottle Group: C

of Sites: 1

Container ID: P-250ML-WO-THI

Qty: 1 Preservation: ICE

Lot # L18245

Description: 250 ml Sterilized no tablet

Analysis

ECOLI-18QT

Description

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

Bottle Group: D

of Sites: 1

Container ID: PT-50ML

Qty: 1 Preservation: ICE

Lot # 03775003

Description: Plastic Tube 50 mL

Analysis

ALGAL_ID

Description

Qualitative assessment of algal taxa present without counts

Container ID: PJ-2L

Qty: 2 Preservation: Formalin

Lot # BTOWASH

Description: Plastic Jar 2 L

Analysis

MI-FW-QLDC

Description

No. Taxa of FW macroinverts, qual samp, 20 dipnets.

Cooler Packed By: Tyler R.

Number of Coolers: 3

Date: 10/29/18

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle
- ☒ FedEx Bills, if applicable
- ☒ Plastic Bags/Zip Ties
- ☒ Acid Labels (sets of 24)

If Preservation Included:

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

PLEASE RETURN ALL COOLERS FOR RQ-2018-10-29-24