

Reaves, Shawn D

From: Ayres, Joshua
Sent: Monday, February 10, 2020 2:59 PM
To: Reaves, Shawn D
Cc: Bowen, Chris
Subject: FW: RQ-2020-02-03-64 | NW-DIST-2020-02-05-01 Specific Conductivity
Importance: High

Shawn - please make the necessary correction in LIMS & add email thread to event file.

Thanks.

NW-DIST-2020-02-05-01

Field ID: G4NW0380



JOSHUA AYRES
Environmental Specialist III
DEP Laboratories
Voice: 850.245.8206
joshua.Ayres@dep.state.fl.us

From: Slade, Christopher "Stopher" <Christopher.Slade@dep.state.fl.us>
Sent: Monday, February 10, 2020 14:57
To: Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>
Subject: RE: RQ-2020-02-03-64 | NW-DIST-2020-02-05-01 Specific Conductivity

It is 27.3. the decimal seems to be written over by the "3".

Stopher

From: Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>
Sent: Monday, February 10, 2020 1:46 PM
To: Slade, Christopher "Stopher" <Christopher.Slade@dep.state.fl.us>
Cc: Bowen, Chris <Chris.Bowen@FloridaDEP.gov>; Reaves, Shawn D <Shawn.Reaves@FloridaDEP.gov>
Subject: RQ-2020-02-03-64 | NW-DIST-2020-02-05-01 Specific Conductivity
Importance: High

Hey Stopher.

Wondering if you could clear up a conductivity question about this site; is it 273 or 27.3? The rest of the sites in this event have a decimal point, was wondering if this one should too? Without the decimal its seems to be causing issues with the cation vs conductivity calculations.

Thanks

Field/WIN ID



G4NW0380

Location

Bear Creek @ Forest Rd. 0.7 Miles West of Bear Lake

Comments:

Matrix: Fresh / Marine

(Check one) ☒ GRAB ☐ COMPOSITE

Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Si (l)
2/4	1600	8.99	85.8	13.6	5.74	0.1	0.2	0.2	273	0

EST CS

EST VOS (S)



JOSHUA AYRES
 Environmental Specialist III
 DEP Laboratories
 Voice: 850.245.8206
joshua.Ayres@dep.state.fl.us

From: Bowen, Chris <Chris.Bowen@FloridaDEP.gov>
Sent: Monday, February 10, 2020 14:17
To: Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>
Subject: NW-DIST-2020-02-05-01 Specific Conductivity

Joshua,

I have a sample in metals (G4NW0380) that is failing the cation vs conductivity calculation and I noticed that other samples that were logged in under this event had conductivities less than 100. I looked at the sample in bizhub scans but it is not clear if the conductivity is 27.3 or 273. It looks like 273 but was wondering if it is really 27.3. Let me know what you think.

Thanks,



Chris Bowen

Chemist Specialist

Division of Environmental Assessment and Restoration -
Chemistry Program

Florida Department of Environmental Protection

2600 Blair Stone Road - Tallahassee, Florida 32399-2400

850-245-7517 (office)

Chris.Bowen@FloridaDEP.gov

Login Checklist

RQ- 2020 - 02 - 03 - 64

Login Station ID: # 3

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 01-05-2020 / 10:25

Cooler Temperature*	Samples Frozen	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Tracking # Damaged waybills only
					Present?		*Intact?		
	YES	HNO ₃	Formalin		Yes	No	Yes	No	
2-8C				13		X			1278 4011 2480
						X			

*All samples received on ice unless otherwise noted. If the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX and microbiology), received without ice, or if Evidence Seal is damaged; identify the containers in the affected cooler(s) on back of this form. HNO₃ and Formalin preserved samples do **NOT** have a temperature requirement. DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C) without login confirmation from customer for samples requiring ice preservation; An NCR still is required.

**Chain of Custody/ Field Sheet(s) Included? Yes X No

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes X No ~~X~~ ABS

****Note:** If "No" is checked below, fill out the back of this form (Field ID, Test IDs, etc.) and generate an NCR.

CONTAINER CHECK

**Evidence Tape on Bottles? Yes No X If yes, is it intact? Yes No

**Caps on tight? Yes X No **Containers intact? Yes X No

**Sufficient Sample Volume: Yes X No

CHLORINE CHECK REQUIRED? (Blue dot on container) Yes No Init: ABS

Chlorine detected? (One container checked per Field ID) Yes No Init: ABS

If "YES", list affected Field IDs and Test IDs below.

Field ID	List TestID(s) where Chlorine was Detected, an NCR is required.

PRESERVATION CHECK (EXCLUDING SAMPLES SENT TO OVERFLOW LABS, "OV-")

**Acid Preserved Samples: pH ≤ 2.0? Yes X No NA Init: ABS

**W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes No X NA Init: ABS/

Coolers Unpacked/Checked by: ABS / Date: 01-05-2020 NCRs (Y/N)?

Event ID: Highway 4 Run
NW-DIST-2020-02-05-01 (SMP) NCR #

Login Checklist

Samples with Incorrect pH Preservation

Field ID	Bottle TestID(s)	pH	Action Taken

Samples in Coolers with Incorrect Preservation or Damaged Evidence Tape

Cooler ID	Field ID	Bottle TestID(s)

Bottles Not Intact

Field ID	Bottle TestID(s)	Loose Cap	Damaged Cap		Damaged Container		Evidence Tape Not Intact
			CK	BR	CK	BR	

Samples with Insufficient Volume for Analyses

Field ID	Bottle TestID(s)	Action Taken

Additional Comments:

Infrared Thermometer ID:	IR TG#3 EXP:11/06/2020
pH Test Strips 0 – 6 Lot #	2133AV EXP:05/15/2020
pH Paper 0 – 3 Lot #	220416A EXP:07/30/2020
pH Paper 0 – 13 Lot #	208717 EXP:03/31/2020
Chlorine Test Strips Lot #	8261 2021 / 07

ENCORE SAMPLES

S-VOC-MS samples in Encores must be frozen within 48 hours of collection.

Were Encore samples received? Yes _____ No x

Date and time placed in freezer _____

Were all samples placed in freezer within 48 hours of collection? Yes _____ If No _____

no, were samples shipped on dry ice? Yes _____ No _____

FOR CLEAN LAB USE ONLY – Total Mercury Preservation Check (W-HG-AF;W-HG-AF-F):

Samples preserved within 48 hours? Yes _____ No _____

Date and time samples preserved: _____

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Strategic Monitoring Program
CHAIN OF CUSTODY FORM

Date: 02/04/2020Collected By: F. Butler, S. SladeCustomer: DEP Northwest DistrictSampling Agency: FL DEP-NW ROCRQ-2020-02-03-64Project ID: SMP

Number of Coolers Shipped: _____

PLEASE RETURN THE ORIGINAL OF THIS FORM WITH SAMPLE SUBMITTAL
FORMS AND THE COOLER PACKING WORKSHEET TO THE LAB.

FIELD ID (Labels) submitted under this RQ for this collection date.

Field/WIN ID



G4NW0059

Location:

Bucket Branch end of Bucket Creek Rd

Field/WIN ID



G4NW0380

Location:

Bear Creek @ Forest Rd. 0.7 Miles West of Bear Lake

Field/WIN ID



G4NW0292

Location:

Sweetwater Creek @ Sandy Landing Road

Field/WIN ID



G4NW0434

Location:

Big Coldwater Creek (east fork) upstream of Springhill Rd

RELINQUISHED BY (SIGNATURE):

DATE/TIME: 02/04/2020 :☐ EST
☒ CST

THIS SECTION IS TO BE COMPLETED BY THE LABORATORY

Received/ Inspected By (signature): ABDReceived/ Inspected Date: 2-5-20 Received/ Inspected Time: 10:25☐ EST
☒ CSTSample Receipt Temperature (Degrees Centigrade): 2.8°C



RQ-2020-

Customer: NW RJC

Project ID: _____

Collected By: _____

Field Report Prepared By: _____

Sampling Agency: _____

Field/WIN ID



G4NW0380

Location:

Bear Creek @ Forest Rd. 0.7 Miles West of Bear Lake

Comments:

Matrix: Fresh / Marine

(Check one)

☒ GRAB☐ COMPOSITE

Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT)
2/4	1600 EST CST	8.99	85.8	13.6	5.74	0.1	0.2 ☒ VOB (S)	0.2	273	0.01

Cental Lab please use top row for login purposes

EST / CST										
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Parameter Suite	Parameter Methods	Preservation	pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (P-500ML)	☒ W-NH3 / W-NH4NO3 / W-NH4NO3 / W-NH4NO3 Lot # H2SO4 LOT# SA9283100 EXP: 07/22/2020 Exp:	☒ Ice ☒ H2SO4*	☒ <2	1	A
Metals (P-500ML)	☒ W-ICPMS ☒ W-ICP ☒ W-HARD Lot # HNO3 LOT# NA9189080 EXP: 07/08/2020 Exp:	☒ Ice ☒ HNO3*	☒ <2	1	A
Filtered Nutrients (P125ML)	☒ W-PO4-F ☒ Field F Filter Lot # 16953247 Syringe Lot # 9029958 Exp: 11/31/24	☒ Ice		1	A
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☒ Ice		1	A
Physical/Aggregate (Fresh) (P-1L)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-SO4-IC / W-TDS	☒ Ice		1	A
Physical/Aggregate (Marine) (P-1L)	☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates (PJ-2L)	☐ MI-FW-QLDC	☐ Formalin			
Periphyton (PT-50ML)	☐ ALGAE-ID	☐ Ice			
Microbiology (Contract Lab Bottle)	☒ E.Coli ☐ F.Coli ☐ Enterococci ☒ Contract Lab	☒ Ice		1	A
Molecular (QPCR-P-500ML)	☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD	☐ Ice			
Tracers (BG-500ML)	☐ W-E8321-DI ☐ W-E8321-MS	☐ Ice			
Pesticides (BG-500ML) (BG-1L)	☐ W-E8321-DI ☐ WE8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-CAR3-AA (5 ml of MCAA** Buffer Solution)	☐ Ice			
		☐ Ice			

Relinquished By:

Date/Time

Shipping Method

Number of Coolers Shipped:

Received By:

Date/Time:

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution

Email Submittal form to : lab.receiving@floridadep.gov.



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End
of Day CCV
Yes / No

WIN Station Name: Bear Creek @ Forest Rd. 0.7 Miles West of Bear Lake

Date: 02/04/2020
(mm/dd/yyyy)

WIN/ Field ID: G4NW0380

WBID: 179

Latitude: 30.85952

(Decimal Degrees)

County: SANTA ROSA

ORG ID: 21FLPNS

Longitude: 86.84557

(Decimal Degrees)

Receiving Body of Water: Sweetwater Creek

RQ-2020- 02-03-64

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
S. Slade					
F. Botera					

Sampling Equipment	
☒ Sample Container	☐ Van Dorn
☒ Syringe	☐ Pole
☐ Dipper	☐ Other
Depth Measured with	
Equipment ID	
Collection Method	
☒ Wading	☐ Canoe/Kayak
☐ From Shore	☐ Electric Motor
☐ Other	☐ Gasoline Motor

Water Level: Dry/ Pooled/ Low / Normal / High / Flooded		Meter ID# 154179	
Photos: Yes No	Flow: No Flow / Flowing / NA	Tide: Rising/ Falling/ Slack/ NA	Tide Times: High Low
Biological Samples Collected: None HA SCI RPS Algae ID LVS LVI Other:			
SBIO ID Numbers:	SBIO-ID:	HA-ID:	RPS-ID:
Macrophyte-ID:		LIMS#:	
Notes:			

Duplicate Sample

Time Zone: EST CEN Time:	Field ID: (WIN ID_DUP)
WIN DMT Activity ID:	

Blank

Time Zone: EST CEN Time:	Field ID: (Blank Type_CD/VW/VW)
DI Source:	Location:
☐ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank	Equipment ID:

Signature: [Signature]	Date: 2/4/20
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LIMS EVENT ID: WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT: QC Station ID, Field Parameters In LIMS DMT:

Scan/Save Field Sheets Migrate Data to WIN: Verify Data In WIN:



RQ-2020-
Customer:
Project ID:

Collected By:
Field Report Prepared By:
Sampling Agency:

Field/WIN ID						Barcode: G4NW0059		Comments:		
Location: Bucket Branch end of Bucket Creek Rd										
Matrix: <u>Fresh</u> / Marine						(Check one) ☒ GRAB ☐ COMPOSITE				
Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT)
2/4	0855	8.84	81.9	12.4	5.25	0.1	0.2	0.2	31.0	0.01
EST CST										
Cental Lab please use top row for login purposes										
EST / CST										
Parameter Suite		Parameter Methods				Preservation		pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (P-500ML)		☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				☒ Ice ☒ H2SO4*		☐ <2	1	B
		Lot #		H2S04 LOT# SA9203180 EXP: 07/22/2020		Exp:				
Metals (P-500ML)		☐ W-ICPMS				☐ Ice ☐ HNO3*		☐ <2		
		Lot #		Exp:						
Filtered Nutrients (P125ML)		☒ W-PO4-F ☐ Field Filtered 0.45 µm Filter				☒ Ice			1	B
		Filter Lot #		16953247		Exp:				
		Syringe Lot #		9029988		Exp:		11/31/2024		
Chlorophyll (BP-1L)		☒ CHLSUITE-W				☒ Ice			1	B
Physical/Aggregate (Fresh) (P-1L)		☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W-TDS				☒ Ice			1	B
Physical/Aggregate (Marine) (P-1L)		☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY				☐ Ice				
Macroinvertebrates (PJ-2L)		☐ MI-FW-QLDC				☐ Formalin				
Periphyton (PT-50ML)		☐ ALGAE-ID				☐ Ice				
Microbiology (Contract Lab Bottle)		☒ E. Coli ☐ F. Coli ☐ Enterococci				☒ Ice			1	B
		☒ Contract Lab								
Molecular (QPCR-P-500ML)		☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3				☐ Ice				
		☐ PCR-GULL2 ☐ PCR-GFO ☐								
Tracers (BG-500ML)		☐ W-E8321-Di ☐ W-E8321-MS				☐ Ice				
Pesticides (BG-500ML) (BG-1L)		☐ W-E8321-Di ☐ WE8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R				☐ Ice				
		☐ W-PCL-SQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution)				☐ Ice				
						☐ Ice				
Relinquished By:		Date/Time		Shipping Method		Number of Coolers Shipped:		Received By:		Date/Time:

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution

Email Submittal form to : lab.receiving@floridadep.gov.



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End
of Day CCV
Yes / No

WIN Station Name: Bucket Branch end of Bucket Creek Rd

Date: 02/04/2020
(mm/dd/yyyy)

WIN/ Field ID: G4NW0059

WBID: 356

Latitude: 30.67213

(Decimal Degrees)

County: SANTA ROSA

ORG ID: 21FLPNS

Longitude: 86.96966

(Decimal Degrees)

Receiving Body of Water: Big Coldwater Creek

RQ-2020- 02-03-64

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
<u>F. Bister</u>					
<u>S. Slack</u>					

Sampling Equipment	
☒ Sample Container	☐ Van Dorn
☐ Syringe	☐ Pole
☐ Dipper	☐ Other _____
Depth Measured with _____	
Equipment ID _____	
Collection Method	
☒ Wading	☐ Canoe/Kayak
☐ From Shore	☐ Electric Motor
☐ Other _____	☐ Gasoline Motor

Water Level: Dry/ Pooled/ <u>Low</u> / Normal / High / Flooded		Meter ID# <u>154179</u>	
Photos: <u>Yes</u> / No	Flow: No Flow / <u>Flowing</u> / NA	Tide: Rising/ Falling/ Slack/ <u>NA</u>	Tide Times: High Low
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#:
Notes:			

Duplicate Sample

Time Zone: EST CEN Time: _____	Field ID: _____ (WIN ID_DUP)
WIN DMT Activity ID: _____	

Blank

Time Zone: EST CEN Time: _____	Field ID: _____ (Blank Type_DDM/MTM)
DI Source: _____	Location: _____
☐ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank	Equipment ID: _____

Signature: <u>Stephen Slack</u>	Date: <u>2/4/20</u>
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LIMS EVENT ID: _____ WIN Import ID: _____

Enter Field Parameters, Verify Station ID In LIMS DMT: _____ (Initials/Date) QC Station ID, Field Parameters In LIMS DMT: _____ (Initials/Date)

Scan/Save Field Sheets _____ (Initials/Date) Migrate Data to WIN: _____ (Initials/Date) Verify Data In WIN: _____ (Initials/Date)



RQ-2020-
Customer:
Project ID:

Collected By:
Field Report Prepared By:
Sampling Agency:

Field/WIN ID						Comments:				
Location: Big Coldwater Creek (east fork) upstream of Springhill Rd						G4NW0434				
Matrix: <u>Fresh</u> / Marine						(Check one) ☒ GRAB ☐ COMPOSITE				
Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPTH)
2/4	1100 EST / CST	9.92	96.3	14.4	4.99	0.1	0.2 ☒ VOB (S)	0.2	21.4	0.01
Cental Lab please use top row for login purposes										
EST / CST										
Parameter Suite		Parameter Methods				Preservation		pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (P-500ML)		☒ W-NH3 / W-NO2NO3 / W-TKN Lot # H2S04 LOT# SA9203100 EXP: 07/22/2020				☒ Ice ☒ H2SO4* ☒ <2			1	B
Metals (P-500ML)		☐ W-ICPMS ☐ W-ICP ☐ W-HARD Lot # Exp:				☐ Ice ☐ HNO3* ☐ <2				
Filtered Nutrients (P125ML)		☒ W-P04-F ☒ Field Filtered 0.45 µm Filter Filter Lot # 1695 3247 Syringe Lot # 902 9988 Exp: Exp:				☒ Ice			1	B
Chlorophyll (BP-1L)		☒ CHLSUITE-W				☒ Ice			1	B
Physical/Aggregate (Fresh) (P-1L)		☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-S04-IC / W-TDS				☒ Ice			1	B
Physical/Aggregate (Marine) (P-1L)		☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY				☐ Ice				
Macroinvertebrates (PJ-2L)		☐ MI-FW-QLDC				☐ Formalin				
Periphyton (PT-50ML)		☐ ALGAE-ID				☐ Ice				
Microbiology (Contract Lab Bottle)		☒ E. Coli ☐ F. Coli ☐ Enterococci ☒ Contract Lab				☒ Ice			1	B
Molecular (QPCR-P-500ML)		☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD ☐				☐ Ice				
Tracers (BG-500ML)		☐ W-E8321-DI ☐ W-E8321-MS				☐ Ice				
Pesticides (BG-500ML) (BG-1L)		☐ W-E8321-DI ☐ WE8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-CAR8-AA (5 ml of MCAA** Buffer Solution)				☐ Ice				
						☐ Ice				
Relinquished By:		Date/Time		Shipping Method		Number of Coolers Shipped:		Received By:		Date/Time:

*2.0 ml of Preservative used unless noted otherwise.
**MCAA: Monochloroacetic acid buffer solution



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End
of Day CCV
Yes / No

WIN Station Name: Big Coldwater Creek (east fork) upstream of Springhill Rd Date: 02/04/2020
(mm/dd/yyyy)

WIN/ Field ID: G4NW0434 WBID: 18A Latitude: 30.79187
(Decimal Degrees)

County: SANTA ROSA ORG ID: 21FLPNS Longitude: 87.02345
(Decimal Degrees)

Receiving Body of Water: Blackwater River RQ-2020- 02-03-64

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment	
						Sample Container	Van Dorn
<u>S. Slade</u> <u>F. Butler</u>						☒ Syringe	☐ Pole
						☐ Dipper	☐ Other
						Depth Measured with	
						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>154179</u>			
Photos: <u>Yes</u> / No		Flow: No Flow / <u>Flowing</u> / NA		Tide: Rising/ Falling/ Slack/ <u>NA</u>		Tide Times: High Low	
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#:					
Notes:							

Duplicate Sample

Time Zone: EST CEN Time: _____		Field ID: _____ (WIN ID_DUP)	
WIN DMT Activity ID: _____			

Blank

Time Zone: EST CEN Time: _____		Field ID: _____ (Blank Type_DDMVMM)	
DI Source: _____		Location: _____	
☐ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank		Equipment ID: _____	

Signature: [Signature] Date: 2/4/19

LIMS EVENT ID: _____ WIN Import ID: _____

Enter Field Parameters, Verify Station ID In LIMS DMT: _____ QC Station ID, Field Parameters In LIMS DMT: _____
(Initials/Date) (Initials/Date)

Scan/Save Field Sheets _____ Migrate Data to WIN: _____ Verify Data In WIN: _____
(Initials/Date) (Initials/Date) (Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End
of Day CCV
Yes / No

WIN Station Name: Sweetwater Creek @ Sandy Landing Road

Date: 02/04/2020
(mm/dd/yyyy)

WIN/ Field ID: G4NW0292

WBID: 21

Latitude: 30.83853

(Decimal Degrees)

County: SANTA ROSA

ORG ID: 21FLPNS

Longitude: 86.87061

(Decimal Degrees)

Receiving Body of Water: Big Juniper Creek

RQ-2020-02-03-64

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
F. Butera					
S. Slide					

Sampling Equipment	
☒ Sample Container	☐ Van Dorn
☐ Syringe	☐ Pole
☐ Dipper	☐ Other
Depth Measured with	
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# 154179	
Photos: <u>Yes</u> No	Flow: No Flow <u>Flowing</u> / NA	Tide: Rising/ Falling/ Slack/ <u>NA</u>	Tide Times: High Low
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#:
Notes:			

Duplicate Sample

Time Zone: EST CEN Time: _____	Field ID: _____ (WIN ID_DUP)
WIN DMT Activity ID: _____	

Blank

Time Zone: EST CEN Time: _____	Field ID: _____ (Blank Type_ODV/MWV)
DI Source: _____	Location: _____
☐ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank	Equipment ID: _____

Signature: <u>[Signature]</u>	Date: 2/4/20
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LIMS EVENT ID: _____ WIN Import ID: _____

Enter Field Parameters, Verify Station ID in LIMS DMT: _____ (Initials/Date) QC Station ID, Field Parameters in LIMS DMT: _____ (Initials/Date)

Scan/Save Field Sheets _____ (Initials/Date) Migrate Data to WIN: _____ (Initials/Date) Verify Data in WIN: _____ (Initials/Date)



RQ-2020-
Customer:
Project ID:

Collected By:
Field Report Prepared By:
Sampling Agency:

Field/WIN ID Location: Sweetwater Creek @ Sandy Landing Road						 G4NW0292					Comments:	
Matrix: <u>Fresh</u> / Marine						(Check one) ☒ GRAB ☐ COMPOSITE						
Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT)		
2/4	0930 EST (CST)	93.5 9.87	93.5	13.3	4.54	0.3	0.8 ☒ VOB (S)	0.8	19.7	0.01		
Cental Lab please use top row for login purposes												
EST / CST												
Parameter Suite		Parameter Methods				Preservation		pH Check	# Bottles sent to Lab	Bottle Group		
Preserved Nutrients (P-500ML)		☐ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				☐ Ice ☐ H2SO4*		☐ <2				
		Lot #		Exp:								
Metals (P-500ML)		☐ W-ICPMS ☐ W-ICP ☐ W-HARD				☐ Ice ☐ HNO3*		☐ <2				
		Lot #		Exp:								
Filtered Nutrients (P125ML)		☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter				☐ Ice						
		Filter Lot #		Exp:								
		Syringe Lot #		Exp:								
Chlorophyll (BP-1L)		☐ CHLSUTE-W				☐ Ice						
Physical/Aggregate (Fresh) (P-1L)		☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-CL IC / W-COLOR / W-SO4 IC / W-TDS				☐ Ice						
Physical/Aggregate (Marine) (P-1L)		☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY				☐ Ice						
Macroinvertebrates (PJ-2L)		☐ MI-FW-QLDC				☐ Formalin						
Periphyton (PT-50ML)		☐ ALGAE-ID				☐ Ice						
Microbiology (Contract Lab Bottle)		☒ E Coli ☐ F Coli ☐ Enterococci				☒ Ice						
Molecular (QPCR-P-500ML)		☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD ☐				☐ Ice						
Tracers (BG-500ML)		☐ W-E8321-DI ☐ W-E8321-MS				☐ Ice						
Pesticides (BG-500ML) (BG-1L)		☐ W-E8321-DI ☐ W-E8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution)				☐ Ice						
						☐ Ice						
Relinquished By:		Date/Time		Shipping Method		Number of Coolers Shipped:		Received By:		Date/Time:		

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution

Email Submittal form to : lab.receiving@floridadep.gov.

Document Reference # 05.1.0

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Date of Request: 16-JAN-2020
 Created By: KING_M On: 16-JAN-2020
 Modified By: JASROTIA_P On: 17-JAN-2020
 Customer: NW-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Northwest District NWROC
 Sampling Event: Highway 4 Run

Send Coolers To:

Phone: 850-595-0605
 160 Government Center
 Suite 208
 Pensacola, FL 32502-5794
 Attn: Michael King

Program Module Number:

Priority: 3
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 16-JAN-2020
 Biology Request Reviewed By: JASROTIA_P On: 17-JAN-2020
 Sampling Kit Required: YES Ship on: 23-JAN-2020
 Sampling Kit Shipped: YES On: 23-JAN-2020
 Sampling Kit Packed By: SHAIK_A
 Preservatives Needed: NO
 Date to Receive Samples: 03-FEB-2020
 Received By: SHAIK_A On: 05-FEB-2020

Send Final Report To:

160 Government Center
 Suite 208
 Pensacola, FL 32502-5794
 Attn: Cheryl Bunch

Report Type: Final Only
 FTP Data: NO
 QC Report: YES
 Date Log: NO
 Authorization Log: NO

Comments: Group A: Freshwater
 (WBID 179) Nutrients, Metals, Contract Lab Bacteria
 Group B: Freshwater
 (WBID 260 127 11 18 11A) Contract Lab Bacteria

Bottle Group A (Water) With 2 Samples:

Bottle Type: P-1L	Number of Bottles: 2	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO ₃ /L
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-CL-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
W-COLOR	Template: DEFAULT	(SM 2120 B-2011) True Color measured at 450 nm (not valid for NPDES monitoring)
Color (true)		
W-F	Template: DEFAULT	(SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
W-TDS	Template: DEFAULT	(SM 2540 C-2011) Total Dissolved Solids in aqueous matrices
W-TSS	Template: DEFAULT	(SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample
Bottle Type: BP-1L	Number of Bottles: 2	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type: TEST HAS NO	Number of Bottles: 2	Preserved With: ICE
NW-UWF-ECQ	Template: DEFAULT	(SM 9223 B Quanti-Tray) E. coli by Collert-18/QT by UWF in Pensacola
Bottle Type: P-500ML	Number of Bottles: 2	Preserved With: HNO ₃
W-ICP	Template:	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
Barium		
Calcium		
Iron		
Magnesium		
Potassium		
Sodium		

Bottle Group A (Water) With 2 Samples:

Bottle Type: P-500ML	Number of Bottles: 2	Preserved With: HNO3
W-ICP	Template:	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
Zinc		
W-ICPMS	Template:	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects
*Boron		
Aluminum		
Antimony		
Arsenic		
Cadmium		
Chromium		
Copper		
Lead		
Nickel		
Selenium		
Silver		
Thallium		

Bottle Type: P-500ML	Number of Bottles: 2	Preserved With: ICE And H2SO4
W-NH3	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Template: DEFAULT	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Template: DEFAULT	(SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices
Bottle Type: P-125ML	Number of Bottles: 2	Preserved With: FILTER-ICE
W-PO4-F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group B (Water) With 5 Samples:

Bottle Type: P-500ML	Number of Bottles: 5	Preserved With: ICE And H2SO4
W-NH3	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Template: DEFAULT	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Template: DEFAULT	(SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices
Bottle Type: P-125ML	Number of Bottles: 5	Preserved With: FILTER-ICE
W-PO4-F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L
Bottle Type: P-1L	Number of Bottles: 5	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-CL-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
W-COLOR	Template: DEFAULT	(SM 2120 B-2011) True Color measured at 450 nm (not valid for NPDES monitoring)
Color (true)		
W-F	Template: DEFAULT	(SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
W-TDS	Template: DEFAULT	(SM 2540 C-2011) Total Dissolved Solids in aqueous matrices
W-TSS	Template: DEFAULT	(SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample
Bottle Type: BP-1L	Number of Bottles: 5	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type: TEST HAS NO	Number of Bottles: 5	Preserved With: ICE
NW-UWF-ECQ	Template: DEFAULT	(SM 9223 B Quanti-Tray) E. coli by Colilert-18/QT by UWF in Pensacola

* - The laboratory is not NELAP certified for this analyte/method, or certification is not applicable.