

Roberts, Zachary

From: Davis, Brian G.
Sent: Thursday, April 21, 2022 4:10 PM
To: Roberts, Zachary; Villinger, Katrin
Cc: Klug, Kyle; Parrish, Jeremy M.
Subject: RE: RQ-2022-04-11-25 Collection time confirmation
Attachments: RQ-2022-04-11-25_04202022.pdf

Hi Zachery,

Sorry for all the trouble I have been causing. It's been a week.

I corrected all the times on the attached paperwork. To summarize follow the times below:

G4NE0302 was collected at 1130.

19010127 was collected at 1335.

Again, sorry for the headaches.

From: Roberts, Zachary <Zachary.Roberts@FloridaDEP.gov>
Sent: Thursday, April 21, 2022 12:22 PM
To: Villinger, Katrin <Katrin.Villinger@FloridaDEP.gov>; Davis, Brian G. <Brian.G.Davis@FloridaDEP.gov>
Cc: Klug, Kyle <Kyle.Klug@FloridaDEP.gov>; Parrish, Jeremy M. <Jeremy.M.Parrish@FloridaDEP.gov>
Subject: FW: RQ-2022-04-11-25 Collection time confirmation
Importance: High

Hi just noticed the G4NE0302 site also has a collection time discrepancy,

11:30 is the time written on the container, and 12:30 is the time on the submittal form.

Can you please confirm which is correct?

- Thank you



ZAC ROBERTS
Laboratory Technician IV
Scientific Services Support Program
FDEP Laboratories
Office: 850-245-8784
Zachary.Roberts@FloridaDEP.gov

From: Roberts, Zachary
Sent: Thursday, April 21, 2022 12:15 PM
To: Villinger, Katrin <Katrin.Villinger@FloridaDEP.gov>; Davis, Brian G. <Brian.G.Davis@FloridaDEP.gov>
Cc: Klug, Kyle <Kyle.Klug@floridadep.gov>; Parrish, Jeremy M. <Jeremy.M.Parrish@FloridaDEP.gov>

Subject: RQ-2022-04-11-25 Collection time confirmation

Importance: High

Hi all,

I received RQ-2022-04-11-25 today,

The containers for the UNNAMED STREAM @ CR 21 site (Field ID : 19010127) have 13:35 written on them for the collection time but 13:30 is the time on the submittal form.

I logged it in according to the submittal form, can you please confirm which is the correct collection time?

Thank you,
Zac



ZAC ROBERTS

Laboratory Technician IV

Scientific Services Support Program

FDEP Laboratories

Office: 850-245-8784

Zachary.Roberts@FloridaDEP.gov

RQ- 2022-04-11-25

Login Checklist

Login Station ID: #4

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 04/21/22 @ 9:21

*Cooler Temperature	Samples Frozen? YES	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Waybill Tracking #
		HNO ₃	Formalin		Present?		*Intact?		
					Yes	No	Yes	No	
2.3				13		X			5225 5545 3610

COOLER CHECK

*All samples received on ice unless otherwise noted. HNO₃ and Formalin preserved samples do NOT have a temperature requirement.

- If the temperature of a cooler exceeds 6.0 oC (above 10.0 oC for W-1-4-DIOX and microbiology) or received without ice, identify affected samples in an NCR. NCR# _____
- DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C for W-1-4-DIOX) without login confirmation from customer for samples requiring ice preservation; identify affected samples in an NCR. NCR# _____
- If cooler or samples are received with a damaged Evidence Seal; identify the affected samples in an NCR. NCR# _____
- If coolers or samples are received late; identify the affected samples in an NCR. NCR# _____

Chain of Custody/ Field Sheet(s) Included?

Yes ☒ No _____

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included?

Yes ☒ No _____

CONTAINER CHECK

Evidence Tape on Bottles?

Yes _____ No _____ NA ☒

Evidence Tape intact? Yes _____ No _____

If Criminal, photographs taken?

Yes _____ No _____

Containers intact? Yes ☒ No _____

Caps on tight?

Yes ☒ No _____

Sufficient Sample Volume:

Yes ☒ No _____If **NO** is checked above, generate an NCR listing affected sample IDs in its appropriate category. NCR# _____

CHLORINE CHECK REQUIRED? (Blue dot on container)

Yes _____ No ☒ Init: R

Chlorine detected? (One container checked per Field ID)

Yes _____ No _____ Init: _____

If chlorine is detected, generate an NCR listing affected sample IDs . NCR# _____

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

**Acid Preserved Samples: pH < 2.0?

Yes ☒ No _____ NA _____ Init: R

**W-1-4-DIOX (Green dot on container) preserved to pH < 4.0?

Yes _____ No _____ NA ☒ Init: R

If samples were not preserved correctly, generate an NCR listing affected sample IDs . NCR# _____

Coolers Unpacked/Checked by: R

Date: 04/21/22

Event contains NCRs (Y/N)? NNassau West 2022
Event ID NE-DIST-2022-04-21-02 (SMP)

Date Received: 21-APR-2022 09:21

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	#4 Temp Gun EXP:10/19/2022
pH Test Strips 0 – 6	223819AV EXP:08/30/2023
pH Paper 0 – 3	N/A
pH Paper 0 – 13	207621 EXP:03/15/2024
Chlorine Test Strips	0070 EXP:02/2023

ENCORE SAMPLES

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

Were Encore samples received? Yes _____ Init: _____

Date and time placed in freezer _____

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

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

If S-VOC-MS samples were not preserved correctly, generate an NCR listing affected sample IDs . NCR# _____

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
CHAIN OF CUSTODY FORM

Date: 4/20/2022
Customer: NE-DIST
RQ: RQ-2022-04-11-25

Collected By: Katrin Villinger, Brian Davis
Sampling Agency: FDEP
Project ID: SMP

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

Number of Coolers Shipped: 2

Delivery Method: FedEx

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

Site Location	Field ID/WIN ID
Unnamed Drain to Brandy Branch at Dillon Rd.	 G4NE0297
Unnamed Drain to Brandy Branch at US301	 G4NE0302
Tributary to Deep Creek @ Kinard Rd.	 19010083
UNNAMED STREAM @ CR 121	 19010127

RELINQUISHED BY(SIGNATURE):

Katrin Villinger

DATE/TIME: 4/20/2022
1600EST

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By: *R*

Rec'd/Inspected Date: 4-21-2022

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: DESI

RQ: 2022-04-11-25

Project: SMP Nassau West

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 2/3/22

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.	Katrin Villinger	4/20/22	814	21.1	767.2	9.0	-	101.0	-	1.024	(P) F	(L) F
ICV	↓	↓	817	20.9	767.4	9.0	9.04	101.2	-	1.024	(P) F	(L) F
CCV	Kim Appleby	↓	1620	21.5	767.5	8.9	8.96	101.5	-	1.024	(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.	K. Villinger	4/20/22	819	220825A	3/23	1000	1000	(P) F	(L) F
ICV	↓	↓	829	210917A	9/22	100	99.9	(P) F	(L) F
CCV	↓	↓	1631	211122B	12/22	1413	1418	(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.	K. Villinger	4/20/22	831	2112819	12/23	7.01	21.9	7.01	-44.2	(P) F	(L) F
Calibr.	↓	↓	835	2201088	1/24	4.00	21.7	4.00	156.1	(P) F	(L) F
Calibr.	↓	↓	838	2202A163	7/23	10.03	21.7	10.03	210.4	(P) F	(L) F
ICV	↓	↓	839	2201088	1/24	4.00	21.9	3.99	134.9	(P) F	(L) F
CCV	↓	↓	1633	2112819	12/23	7.01	22.7	7.06	-44.6	(P) F	(L) F
CCV							22.5			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 1100.2, slope from 4 to 7 150.2 (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: 2/3/22

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	K. Villinger	4/20/22	940	0.000	0.000	(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:



RQ-2022-04-11-25

Customer: NE-DIST

Project ID: STRATEGIC MONITORING PLAN

Collected By: Katrin Villinger, Brian Davis

Field Report Prepared By: Katrin Villinger

Sampling Agency: FDEP

Place Label Here

WIN ID/Field ID:



19010083

Location: Tributary to Deep Creek @ Kinard Rd.

Comments: Microbiology sample(s) submitted to contract laboratory.

Matrix: Fresh

(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)
4/20/2022	1255 EST	7.07	73.4	17.1	4.39	0.1	0.2 ☒ VOB (S)	0.2	44.8	0.02
	EST						Central Lab please use top row for login purposes			

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 Lot # SA1308030 Exp: 12/1/22	☒ Ice ☒ H2SO4*	☒ <2	1	A
Metals (P-500ML)	☒ W-ICPMS ☒ W-ICP ☒ W-HARD Lot # NA1286110 Exp: 11/16/22	☒ Ice ☒ HNO3*	☒ <2	1	A
Filtered Nutrients (P125ML)	☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter Filter Lot #	☐ Ice			
BOD (BP-1L)	☐ OV-BODUNIN	☐ Ice			
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)	☒ Coli ☐ 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	MCAA Exp.		
Pesticides (BG-500ML) (BG-1L)	W-E8321-DI WE8321-MS W-PSNP-TQ W-CT-CL-R W-PCL-TQ-R W-CARB-AA (5 ml of MCAA** Buffer Solution) W-TR-SQ-R W-PCB-TQ-R	☐ Ice	MCAA Lot#		
Phytoplankton/Periphyton	DTY-QN-C PKD-QN-C	☐ Ice			

Name: Katrin Villinger Brian Davis	Signature: 	Date: 04/20/2022
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*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution

**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION****STRATEGIC MONITORING PLAN FIELD SHEET**

January 2022

**Meter Passed End
of Day CCV**
Yes / No**WIN Station Name:** Tributary to Deep Creek @ Kinard Rd.**Date:** 4/20/2022**WIN/Field ID:** 19010083**WBID:** 2196**ENR:** -**Latitude:** 30.44**County:** NASSAU**Org ID:** 21FLA**Longitude:** -82.02**Receiving Body of Water:** Deep Creek**RQ:** 2022-04-11-25

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
☒	Katrin Villinger		x		x	x
☒	Brian Davis	x		x		
☐						
☐						

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

Water Level: ☒ Normal ☐ Low ☐ High ☐ Dry ☐ Pooled ☐ Flooded						Meter ID# DESI							
Photos: No		Flow: FLOW		Tide:		Tide Times: High: Low:							
Biological Samples Collected: ☒ None ☐ HA ☐ SCI ☐ RPS ☐ Algae ID ☐ LVS ☐ LVI Other:													
SBIO ID Numbers:													
Notes: SUNNY, PARTLY CLOUDY, WINDY													

Duplicate Sample

Time Zone: EST	Time:	Field ID: N/A	(WIN ID_DUP)
WIN DMT Activity ID:			

Blank

Time Zone:	Time:	Field ID:	(Blank Type_DDMMYYYY)
DI Source:	Location:		
DI Type:	Equipment ID:		
DI Container (Name/ID):		DI Container Type:	

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 BD 04/20/2022 (Initials/Date) Migrate Data to WIN: (Initials/Date) Verify Data In WIN: (Initials/Date)



RQ-2022-04-11-25

Customer: NE-DIST

Project ID: STRATEGIC MONITORING PLAN

Collected By: Katrin Villinger, Brian Davis

Field Report Prepared By: Katrin Villinger

Sampling Agency: FDEP

Place Label Here

WIN ID/Field ID:



19010127

Location: UNNAMED STREAM @ CR 121

Comments: Microbiology sample(s) submitted to contract laboratory.

Matrix: Fresh

(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 _h)
4/20/2022	1335 EST	3.07	32.8	17.9	4.37	0.15	0.3 ☒ VOB (S)	0.3	42.3	0.02
	EST						Central Lab please use top row for login purposes			

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 Lot # SA1308030 Exp: 12/1/22	☐ Ice ☒ H2SO4*	☒ <2	1	A
Metals (P-500ML)	☒ W-ICPMS ☒ W-ICP ☒ W-HARD Lot # NA1286110 Exp: 11/16/22	☐ Ice ☒ HNO3*	☒ <2	1	A
Filtered Nutrients (P125ML)	☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter Filter Lot #	☐ Ice Syringe Lot #			
BOD (BP-1L)	☐ OV-BODUNIN	☐ Ice			
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☐ Ice		1	A
Physical/Aggregate (Fresh) (P-1L)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / 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)	☒ Coli ☐ 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	MCAA Exp.		
Pesticides (BG-500ML) (BG-1L)	W-E8321-DI WE8321-MS W-PSNP-TQ W-CT-CL-R W-PCL-TQ-R W-CARB-AA (5 ml of MCAA** Buffer Solution) W-TR-SQ-R W-PCB-TQ-R	☐ Ice	MCAA Lot#		
Phytoplankton/Periphyton	DTY-QN-C PKD-QN-C	☐ Ice			

Name: Katrin Villinger Brian Davis	Signature: <i>Katrin Villinger</i>	Date: 04/20/2022
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*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution

**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**

STRATEGIC MONITORING PLAN FIELD SHEET

January 2022

Meter Passed End
of Day CCV
Yes / No

WIN Station Name: UNNAMED STREAM @ CR 121

Date: 4/20/2022

WIN/Field ID: 19010127

WBID: 2178

ENR: -

Latitude: 30.52

County: NASSAU

Org ID: 21FLA

Longitude: -81.99

Receiving Body of Water: Middle St. Marys River

RQ- 2022-04-11-25

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
☒	Katrin Villinger		x		x	x
☒	Brian Davis	x		x		
☐						
☐						

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

Water Level: ☒ Normal ☐ Low ☐ High ☐ Dry ☐ Pooled ☐ Flooded		Meter ID# DESI	
Photos: NO	Flow: FLOW	Tide:	Tide Times: High: Low:
Biological Samples Collected: ☒ None ☐ HA ☐ SCI ☐ RPS ☐ Algae ID ☐ LVS ☐ LVI Other:			
SBIO ID Numbers:			
Notes: SUNNY, WINDY, PARTLY CLOUDY			

Duplicate Sample

Time Zone: EST	Time:	Field ID: N/A	(WIN ID_DUP)
WIN DMT Activity ID:			

Blank

Time Zone:	Time:	Field ID:	(Blank Type_DDMMYYYY)
DI Source:	Location:		
DI Type:	Equipment ID:		
DI Container (Name/ID):		DI Container Type:	

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 BD 04/20/2022 (Initials/Date) Migrate Data to WIN: (Initials/Date) Verify Data In WIN: (Initials/Date)



RQ-2022-04-11-25

Customer: NE-DIST

Project ID: STRATEGIC MONITORING PLAN

Collected By: Katrin Villinger, Brian Davis

Field Report Prepared By: Katrin Villinger

Sampling Agency: FDEP

Place Label Here

WIN ID/Field ID:



G4NE0297

Location: Unnamed Drain to Brandy Branch at Dillon Rd.

Comments: Microbiology sample(s) submitted to contract laboratory.

Matrix: Fresh

(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)
4/20/2022	1045 EST	6.44	65.6	16.3	3.79	0.3	0.4 ☐ VOB (S)	0.6	88.6	0.04
							Central Lab please use top row for login purposes			
	EST									

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 Lot # SA1308030 Exp: 12/1/22	☒ Ice ☒ H2SO4*	☒ <2	1	A
Metals (P-500ML)	☒ W-ICPMS ☒ W-ICP ☒ W-HARD Lot # NA1286110 Exp: 11/16/22	☒ Ice ☒ HNO3*	☒ <2	1	A
Filtered Nutrients (P125ML)	☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter Filter Lot #	☐ Ice			
BOD (BP-1L)	☐ OV-BODUNIN	☐ Ice			
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)	☒ Coli ☐ 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	MCAA Exp.		
Pesticides (BG-500ML) (BG-1L)	W-E8321-DI W-E8321-MS W-PSNP-TQ W-CT-CL-R W-PCL-TQ-R W-CARB-AA (5 ml of MCAA** Buffer Solution) W-TR-SQ-R W-PCB-TQ-R	☐ Ice	MCAA Lot#		
Phytoplankton/Periphyton	DTY-QN-C PKD-QN-C	☐ Ice			

Name: Katrin Villinger Brian Davis	Signature: <i>Katrin Villinger</i>	Date: 04/20/2022
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*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution

**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION****STRATEGIC MONITORING PLAN FIELD SHEET**

January 2022

Meter Passed End

of Day CCV

Yes / No

WIN Station Name: Unnamed Drain to Brandy Branch at Dillon Rd.**Date:** 4/20/2022**WIN/Field ID:** G4NE0297**WBID:** 2225**ENR:** -**Latitude:** 30.38**County:** DUVAL**Org ID:** 21FLA**Longitude:** -81.91**Receiving Body of Water:** Middle St. Marys River**RQ:** 2022-04-11-25

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
☒	Katrin Villinger		x		x	x
☒	Brian Davis	x		x		
☐						
☐						

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

Water Level: ☒ Normal ☐ Low ☐ High ☐ Dry ☐ Pooled ☐ Flooded		Meter ID# DESI	
Photos: YES	Flow: FLOW	Tide:	Tide Times: High: Low:
Biological Samples Collected: ☒ None ☐ HA ☐ SCI ☐ RPS ☐ Algae ID ☐ LVS ☐ LVI Other:			
SBIO ID Numbers:			
Notes: SUNNY, PARTLY CLOUDY.			

Duplicate Sample

Time Zone: EST	Time:	Field ID: N/A	(WIN ID_DUP)
WIN DMT Activity ID:			

Blank

Time Zone:	Time:	Field ID:	(Blank Type_DDMMYYYY)
DI Source:	Location:		
DI Type:	Equipment ID:		
DI Container (Name/ID):		DI Container Type:	

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 BD 04/20/2022 (Initials/Date) Migrate Data to WIN: (Initials/Date) Verify Data In WIN: (Initials/Date)



RQ-2022-04-11-25

Customer: NE-DIST

Project ID: STRATEGIC MONITORING PLAN

Collected By: Katrin Villinger, Brian Davis

Field Report Prepared By: Katrin Villinger

Sampling Agency: FDEP

Place Label Here

WIN ID/Field ID:



G4NE0302

Location: Unnamed Drain to Brandy Branch at US301

Comments: Microbiology sample(s) submitted to contract laboratory.

Matrix: Fresh

(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)
4/20/2022	1130 EST	4.7	49.2	17.5	4	0.3	0.3 ☐ VOB (S)	0.6	69.5	0.03
	EST						Central Lab please use top row for login purposes			

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		1	B
	Lot # NA1286110 Exp: 11/16/22				
Filtered Nutrients (P125ML)	☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter	☐ Ice			
	Filter Lot # Syringe Lot #				
BOD (BP-1L)	☐ OV-BODUNIN	☐ Ice			
Chlorophyll (BP-1L)	☐ CHLSUITE-W	☐ Ice			
Physical/Aggregate (Fresh) (P-1L)	☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-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)	☒ Coli ☐ 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	MCAA Exp.		
Pesticides (BG-500ML) (BG-1L)	W-E8321-DI WE8321-MS W-PSNP-TQ W-CT-CL-R W-PCL-TQ-R W-CARB-AA (5 ml of MCAA** Buffer Solution) W-TR-SQ-R W-PCB-TQ-R	☐ Ice	MCAA Lot#		
Phytoplankton/Periphyton	DTY-QN-C PKD-QN-C	☐ Ice			

Name: Katrin Villinger Brian Davis	Signature: 	Date: 04/20/2022
--	----------------	---------------------

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PLAN FIELD SHEET

January 2022

Meter Passed End
of Day CCV
Yes / No

WIN Station Name: Unnamed Drain to Brandy Branch at US301

Date: 4/20/2022

WIN/Field ID: G4NE0302

WBID: 2225

ENR: -

Latitude: 30.38

County: NASSAU

Org ID: 21FLA

Longitude: -81.94

Receiving Body of Water: Middle St. Marys River

RQ- 2022-04-11-25

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
☒	Katrin Villinger		☒		☒	☒
☒	Brian Davis	☒		☒		
☐						
☐						

Sampling Equipment	
☒ Sample Container	☐ Carboy
☐ Dipper	☒ Van Dorn
☐ Syringe	☐ Pole
Depth measured with: Meter	
Secchi Equipment ID:	
Collection Method	
☐ Wading	☐ Canoe/Kayak
☐ From Shore	☐ Electric Motor
☒ Other From Bridge	☐ Gasoline Motor

Water Level: ☒ Normal ☐ Low ☐ High ☐ Dry ☐ Pooled ☐ Flooded		Meter ID# DESI	
Photos: NO	Flow: FLOW	Tide:	Tide Times: High: Low
Biological Samples Collected: ☒ None ☐ HA ☐ SCI ☐ RPS ☐ Algae ID ☐ LVS ☐ LVI Other:			
SBIO ID Numbers:			
Notes: SUNNY, PARTLY CKOUDY			

Duplicate Sample

Time Zone: EST	Time:	Field ID: N/A	(WIN ID_DUP)
WIN DMT Activity ID:			

Blank

Time Zone:	Time:	Field ID:	(Blank Type_DDMMYYYY)
DI Source:	Location:		
DI Type:	Equipment ID:		
DI Container (Name/ID):		DI Container Type:	

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 BD 04/20/2022	Migrate Data to WIN:	Verify Data In WIN:	(Initials/Date)
(Initials/Date)	(Initials/Date)	(Initials/Date)	(Initials/Date)



Project Number:
(Lab Use Only)

3653 Regent Boulevard, Suite # 509
Jacksonville, FL 32224
P (904) 807-9625 E. info@delilab.com
F (904) 807-9627

Page 1 of 1

Company Name										Florida Department of Environmental Protection									
Address										8800 Baymeadows Way W Ste 100									
City										Jax									
State										FL									
Zip										32256									
Attn										Jeremy Parrish									
Tel										E-mail or Fax									
Project Name										SNP Nassau West									
Project Number										RQ-2022-04-11-25									
Project Location																			
Sampler Name/Signature										Katrin Villings									
Sample # (Lab Use Only)	Sample Identification	Date Sampled	Time Sampled	Sample Matrix Code	Specific Cond. (Field)	Comp	Grab												
1	19010127	4/20/22	1335	NPW	412.3	/	/												
2	19010083	4/20/22	1355	NPW	441.8	/	/												
3	04NE0302	4/20/22	1330	NPW	109.5	/	/												
4	04NE0297	4/20/22	1045	NPW	88.0	/	/												
5																			
6																			
7																			
8																			
9																			
0																			
Special Instructions:										Transfer Numbers									
										1-4 Katrin Villings									
										Relinquished By									
										Date / Time									
										4/20/22/1515									
										Received By									
										Date / Time									
										04/20/22 1515									



Lab General Form 059, Rev. #1, Rev. Date: 02/07/22, Effective Date: 02/07/22.

Visit us online & order kits at: www.dellab.com

Date of Request: 10-MAR-2022
 Created By: PARRISH_J On: 10-MAR-2022
 Modified By: JASROTIA_P On: 24-MAR-2022
 Customer: NE-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Northeast District
 Event Description: Nassau West 2022

Send Coolers To:

Phone: 904-256-1700
 8800 Baymeadows Way West
 Suite 100
 Jacksonville, FL 32256
 Attn: Jeremy Parrish
 Cooler Ship EMail: Jeremy.M.Parrish@dep.state.fl.us

Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: AYRES_J On: 24-MAR-2022
 Biology Request Reviewed By: JASROTIA_P On: 24-MAR-2022
 Sampling Kit Required: YES Ship on: 01-APR-2022
 Sampling Kit Shipped: YES On: 31-MAR-2022
 Sampling Kit Packed By: ROBERTS_Z
 Preservatives Needed: NO
 Date to Receive Samples: 11-APR-2022
 Logged In By:

Send Final Report To:

8800 Baymeadows Way West
 Suite 100
 Jacksonville, FL 32256
 Attn: Jeremy Parrish
 Report Notification EMail: Jeremy.M.Parrish@dep.state.fl.us

Comments: Group A: (Surf.Fresh)Nutrients, Metals, Bacteria
 Group B:(Surf.Fresh) Metals, Bacteria

Packing Notes:
 None

Bottle Group A (Water) With 5 Samples:

Bottle Type: P-1L	Number of Bottles: 5	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	(DEP SOP: NU-094-1) 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: P-250ML-WO-THI	Number of Bottles: 5	Preserved With: ICE
ECOLI-18QT	Template: DEFAULT	(SM 9223 B Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems
Bottle Type: P-500ML	Number of Bottles: 5	Preserved With: HNO ₃
W-HARD	Template: DEFAULT	(SM 2340 B-2011) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO ₃
Hardness		

Bottle Group A (Water) With 5 Samples:

Bottle Type: P-500ML	Number of Bottles: 5	Preserved With: HNO3
W-ICP	Template: SMP-FRESH	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
Calcium		
Iron		
Magnesium		
Potassium		
Sodium		
Strontium		
Tin		
Titanium		
Vanadium		
Zinc		
W-ICPMS	Template: DEFAULT	(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		
Barium		
Beryllium		
Cadmium		
Chromium		
Cobalt		
Copper		
Lead		
Manganese		
Molybdenum		
Nickel		
Selenium		
Silver		
Thallium		

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 Group B (Water) With 2 Samples:

Bottle Type: P-250ML-WO-THI	Number of Bottles: 2	Preserved With: ICE
ECOLI-18QT	Template: DEFAULT	(SM 9223 B Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems
Bottle Type: P-500ML	Number of Bottles: 2	Preserved With: HNO3
W-HARD	Template: DEFAULT	(SM 2340 B-2011) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3
Hardness		
W-ICP	Template: SMP-FRESH	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
Calcium		
Iron		
Magnesium		
Potassium		
Sodium		
Strontium		
Tin		
Titanium		
Vanadium		
Zinc		
W-ICPMS	Template: DEFAULT	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects
*Boron		
Aluminum		

Bottle Group B (Water) With 2 Samples:

Bottle Type: P-500ML

Number of Bottles: 2

Preserved With: HNO3

W-ICPMS

Template: DEFAULT

(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Antimony
Arsenic
Barium
Beryllium
Cadmium
Chromium
Cobalt
Copper
Lead
Manganese
Molybdenum
Nickel
Selenium
Silver
Thallium

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

