

Login Checklist

RQ- 2022-01-24-24

Login Station ID: #4

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 02/ 1 /22 @ 9:10

*Cooler Temperature	Samples Frozen?	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Waybill Tracking #
					Present?		*Intact?		
	YES	HNO ₃	Formalin		Yes	No	Yes	No	
1.4				5		X			5225 5543 1650

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 X

CONTAINER CHECK

Evidence Tape on Bottles?

Yes _____ No _____ NA X

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 X Init: ZR

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: ZR

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

Yes _____ No _____ NA X Init: ZR

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

Coolers Unpacked/Checked by: ZR

Date: 02/ 1 /22

Event contains NCRs (Y/N)? N

Bulow Creek

Event ID NE-DIST-2022-02-01-02 (SMP)

Date Received: 01-FEB-2022 09:10

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	N/A
pH Paper 0 – 3	N/A
pH Paper 0 – 13	210620 EXP:04/15/2023
Chlorine Test Strips	0261 EXP:05/2023

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: 1/31/2022 **Collected By:** Katrin Villinger, Kimberly Appleby
Customer: NE-DIST **Sampling Agency:** FDEP
RQ: RQ-2022-01-24-24 **Project ID:** SMP

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

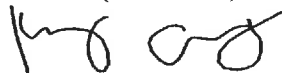
Number of Coolers Shipped: 1

Delivery Method: FedEx

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

Site Location	Field ID/WIN ID
Bulow CR @ Walter Boardman Ln.	 27010967

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 1/31/2022
1600EST

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By:



Rec'd/Inspected Date: 2-1-2022

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: Bruce

RQ: 7072-01-24-74

Project: SHP Bulwark

- 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 11/10/21

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.	<u>Kim Appleby</u>	<u>1/31/22</u>	<u>854</u>	<u>20.4</u>	<u>766.6</u>	<u>9.1</u>	<u>—</u>	<u>100.9</u>	<u>—</u>	<u>1.0322</u>	<u>(P) F</u>	<u>(L) F</u>
ICV	<u>↓</u>	<u>↓</u>	<u>855</u>	<u>20.3</u>	<u>766.7</u>	<u>9.1</u>	<u>9.12</u>	<u>101.0</u>	<u>—</u>	<u>1.0321</u>	<u>(P) F</u>	<u>(L) F</u>
CCV	<u>Katrin Villages</u>	<u>↓</u>	<u>1047</u>	<u>20.9</u>	<u>764.0</u>	<u>9.0</u>	<u>8.97</u>	<u>100.2</u>	<u>—</u>	<u>1.0322</u>	<u>(P) F</u>	<u>(L) F</u>
CCV											<u>P / F</u>	<u>L / F</u>

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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	<u>Kim Appleby</u>	<u>1/31/22</u>	<u>859</u>	<u>210917B</u>	<u>9/2022</u>	<u>1000</u>	<u>1000</u>	<u>(P) F</u>	<u>(L) F</u>
ICV	<u>↓</u>	<u>↓</u>	<u>901</u>	<u>211122B</u>	<u>12/2022</u>	<u>1413</u>	<u>1409</u>	<u>(P) F</u>	<u>(L) F</u>
CCV	<u>K. Villages</u>	<u>↓</u>	<u>1049</u>	<u>211122A</u>	<u>12/2022</u>	<u>15000</u>	<u>14976</u>	<u>(P) F</u>	<u>(L) F</u>
CCV								<u>P / F</u>	<u>L / F</u>

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.	<u>Kim Appleby</u>	<u>1/31/22</u>	<u>905</u>	<u>2109M25</u>	<u>9/2023</u>	<u>7.02</u>	<u>21.0</u>	<u>7.02</u>	<u>-12.1</u>	<u>(P) F</u>	<u>(L) F</u>
Calibr.	<u>↓</u>	<u>↓</u>	<u>915</u>	<u>2108F51</u>	<u>8/2023</u>	<u>4.00</u>	<u>20.5</u>	<u>4.00</u>	<u>169.1</u>	<u>(P) F</u>	<u>(L) F</u>
Calibr.	<u>↓</u>	<u>↓</u>	<u>917</u>	<u>2108H37</u>	<u>2/2023</u>	<u>10.04</u>	<u>20.7</u>	<u>10.04</u>	<u>-172.6</u>	<u>(P) F</u>	<u>(L) F</u>
ICV	<u>↓</u>	<u>↓</u>	<u>922</u>	<u>2109M25</u>	<u>9/2023</u>	<u>7.02</u>	<u>21.1</u>	<u>7.02</u>	<u>-8.5</u>	<u>(P) F</u>	<u>(L) F</u>
CCV	<u>K. Villages</u>	<u>↓</u>	<u>1052</u>	<u>2108H37</u>	<u>2/2023</u>	<u>10.04</u>	<u>21.3</u>	<u>10.03</u>	<u>-184.0</u>	<u>(P) F</u>	<u>(L) F</u>
CCV										<u>P / F</u>	<u>L / F</u>

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 10 170.5, slope from 4 to 7 177.6 (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: 11/10/21

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	<u>Kim Appleby</u>	<u>1/31/22</u>	<u>923</u>	<u>0.00</u>	<u>0.00</u>	<u>(P) F</u>	<u>(L) F</u>

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS:



RQ-2022-01-24-24

Customer: WQAP

Project ID: SMP

Collected By: Katrin Villinger, Kimberly Appleby

Field Report Prepared By: Kimberly Appleby

Sampling Agency: FDEP

Place Label Here							Comments:			
WIN ID/Field ID:  27010967										
Location: Bulow CR @ Walter Boardman Ln.										
Matrix: 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)
1/31/2022	1210 EST	8.5	80.3	11.2	7.45	0.3	1.319 ☒ VOB (S)	1.319	10590	6.02
	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				☒ Ice ☒ H2SO4*		☒ <2	1	A
		Lot # SA1105060		Exp: 4/30/22						
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			1	A
		Filter Lot # R1EB01329		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				
Physical/Aggregate (Marine) (P-1L)		☒ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY				☒ Ice			1	A
Macroinvertebrates (PJ-2L)		☐ MI-FW-QLDC				☐ Formalin				
Periphyton (PT-50ML)		☐ ALGAE-ID				☐ Ice				
Microbiology (Contract Lab Bottle)		☐ Coli ☐ Coli ☒ Enterococci				☒ 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		P4 PKD-QN-C PKD-QN-BV				☐ Ice				
Name: Katrin Villinger Kimberly Appleby						Signature: 			Date: 1/31/2022	

*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: Bulow CR @ Walter Boardman Ln.

Date: 1/31/2022

WIN/Field ID: 27010967

WBID: 2620

ENR: -

Latitude: 29.4076

County: VOLUSIA

Org ID: 21FLA

Longitude: -81.12

Receiving Body of Water: Upper East Coast

RQ- 2022-01-24-24

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
☒	Katrin Villinger		☒		☒	☒
☒	Kimberly Appleby		☒	☒		
☐						
☐						

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# BRUCE	
Photos: NO	Flow: FLOW	Tide: RISING	Tide Times: High: 615 Low: 1240
Biological Samples Collected: ☒ None ☐ HA ☐ SCI ☐ RPS ☐ Algae ID ☐ LVS ☐ LVI Other:			
SBIO ID Numbers:			
Notes: WATER SLIGHTLY TURBID. WEATHER: SUNNY			

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	Migrate Data to WIN:	Verify Data In WIN:
(Initials/Date)	(Initials/Date)	(Initials/Date)

Date of Request: 03-JAN-2022
 Created By: PARRISH_J On: 03-JAN-2022
 Modified By: JASROTIA_P On: 05-JAN-2022
 Customer: NE-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Northeast District
 Event Description: Bulow Creek

Send Coolers To:

Phone: 904-256-1693
 8800 Baymeadows Way West
 Suite 100
 Jacksonville, FL 32256
 Attn: Jeremy Parrish
 Cooler Ship EMail: Jeremy.M.Parrish@Floridadep.gov

Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: AYRES_J On: 05-JAN-2022
 Biology Request Reviewed By: JASROTIA_P On: 05-JAN-2022
 Sampling Kit Required: YES Ship on: 14-JAN-2022
 Sampling Kit Shipped: YES On: 13-JAN-2022
 Sampling Kit Packed By: KLUG_K
 Preservatives Needed: NO
 Date to Receive Samples: 24-JAN-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@floridadep.gov

Comments: Group A:(Surf.Salt) Nutrients, Bacteria

Packing Notes:**Bottle Group A (Water) With 1 Samples:**

Bottle Type: P-1L	Number of Bottles: 1	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-F	Template: DEFAULT	(SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
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: 1	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: 1	Preserved With: ICE
ENT-24-QT	Template: DEFAULT	(Enterolert/QT) Enterococci by Enterolert Quanti-Tray method - non-chlorinated water systems
Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: ICE And H ₂ SO ₄
W-NH ₃	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO ₂ NO ₃	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: 1	Preserved With: FILTER-ICE
W-PO ₄ -F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

