

Login Checklist

RQ- 2023-08-14-25

Login Station ID: 5

Shipping Method: FedEx UPS | HD | Greyhound

Date/Time of Receipt: 8/17/23 @ 9:28

*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	
1.0				7		X			64848457 1321

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 X No _____

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

Yes X No X

CONTAINER CHECK

Evidence Tape on Bottles? Yes _____ No _____ NA X Evidence Tape intact? Yes _____ No _____

If Criminal, photographs taken? Yes _____ No X Containers intact? Yes X No _____

Caps on tight? Yes X No _____

Sufficient Sample Volume: Yes X 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: C.P

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 X No _____ NA _____ Init: C.P

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

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

Coolers Unpacked/Checked by: C.P Date: 8/17/23 Event contains NCRs (Y/N)? N

EventID: NW-DIST-2023-08-17-02 (SMP)
Date Received: 17-AUG-2023 09:28

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	221426058 10/17/23
pH Test Strips 0 – 6	207621 03/15/2024
pH Paper 0 – 3	NA
pH Paper 0 – 13	20762103 03/15/2024
Chlorine Test Strips	1196 02/2024

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# _____

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CHAIN OF CUSTODY FORM

Date: 8/16/2023 **Collected By:** Myranda Butler, Brook Olin
Customer: NW-DIST **Sampling Agency:** FDEP
RQ: RQ-2023-08-14-25 **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
LAKE POWELL DRAIN EAST ARM	 G3NW0009
SISTER RIVER MOUTH	 G3NW0154
POWELL LAKE CENTER N OF CAIN RD AREA	 G3NW0012

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 8/16/2023

1600 CEN

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By: *Chris P*

Rec'd/Inspected
Date: 8-17-23



RQ-2023-08-14-25	Collected By: Myranda Butler, Brook Olin
Customer: FDEP	Field Report Prepared by: Myranda Butler, Brook Olin
Project ID: SMP	Sampling Agency: FDEP

WIN ID/Field ID:



WIN ID/Field ID: G3NW0009

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

Location: LAKE POWELL DRAIN EAST ARM

Matrix: Marine

(Check One)

☒ Grab☐ Composite

Date and Time {CEN}	DO (mg/L)	DO (%SAT)	Temp. °C	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPT _h)								
8/16/2023 1145	1.8	28.9	35.8	6.72	0.3	0.8	2.5	29553	18.03								
Parameter Suite		Parameter Methods				Preservation		pH Check		# Bottles sent to Lab	Bottle Group						
Preserved Nutrients (P-500ML)	X	W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				X	Ice	X	H2SO4*	X	<2	1	A				
		Lot #		SA3013020		Exp:		01/25/2024									
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		<2							
		Filter Lot #			Syringe Lot #												
BOD (BP-1L)		OV-8ODUNIN					Ice										
Chlorophyll (BP-1L)	X	CHLSUITE-W				X	Ice	1							A		
Physical/Aggregate (Fresh) (P-1L)	X	Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS				X	Ice	1							A		
Physical/Aggregate (Marine) (P-1L)		Alkalinity / W-F / W-TSS / TURBIDITY					Ice										
Macroinvertebrates (PJ-2L)		MI-FW-QLDC	Formalin Lot #				Formalin										
Periphyton (PT-50ML)		ALGAE-ID					Ice										
Microbiology (Contract Lab Bottle)		E Coli		F Coli		X	Enterococci	X							Ice	1	A
	X	Contract Lab															
Molecular (QPCR-P-500ML)		PCR-HF183		PCR-BacR		PCR-DG3			Ice								
		PCR-GULL2		PCR-GFD													
Tracers (BG-500ML)		W-E8321-DI		W-E8321-MS			Ice		MCAA Exp.	MCAA Lot#							
Pesticides (BG-500ML) (BG-1L)		W-E8321-DI			W-E8321-MS		W-PSNP-TQ								Ice		
		W-PCL-TQ-R	W-CARB-AA (5 ml of MCAA Buffer Solution)		W-CT-CL-R												
		W-TR-SQ-R		W-PCB-TQ-R													
Phytoplankton (BP-1L)		DTY-QN-C		PKD-QN-BV			Ice										
DOC (P-500ML)	X	W-DOC	Field Filtered 0.45 µm Filter				Ice		H2SO 4*		<2						
			Acid Preservative Expiration Date														
			Acid Preservative Lot Number														



RQ-2023-08-14-25

Collected By: Myranda Butler, Brook Olin

Customer: FDEP

Field Report Prepared by: Myranda Butler, Brook Olin

Project ID: SMP

Sampling Agency: FDEP

 WIN ID/Field ID: 
 WIN ID/Field ID: G3NW0154

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

Location: SISTER RIVER MOUTH

Matrix: Fresh

(Check One)

☒ Grab☐ Composite

Date and Time {CEN}	DO (mg/L)	DO (%SAT)	Temp. °C	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPT _h)								
8/16/2023 935	4.94	65.5	30.1	7.11	0.3	0.8	6.5	151.4	0.07								
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)	X	W-ICPMS	X	W-ICP	X	W-HARD	X	Ice	X	HNO3*	X	<2	1	B			
	Lot #		NA3123030		Exp:		05/10/2024										
Filtered Nutrients (P125ML)	W-PO4-F		Field Filtered 0.45 um 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-Cl-IC / W-COLOR / W-SO4-IC / W- TDS					Ice											
Physical/Aggregate (Marine) (P-1L)	Alkalinity / W-F / W-TSS / TURBIDITY					Ice											
Macroinvertebrates (PJ-2L)	MI-FW-QLDC		Formalin Lot #			Formalin											
Periphyton (PT-50ML)	ALGAE-ID					Ice											
Microbiology (Contract Lab Bottle)	X	E Coli		F Coli		Enterococci	X							Ice		1	B
	X	Contract Lab															
Molecular (QPCR-P-500ML)	PCR-HF183		PCR-BacR		PCR-DG3		Ice										
	PCR-GULL2		PCR-GFD														
Tracers (BG-500ML)	W-E8321-DI		W-E8321-MS				Ice										
Pesticides (BG-500ML) (BG-1L)	W-E8321-DI		W-E8321-MS		W-PSNP-TQ		Ice	MCAA Exp.						MCAA Lot#			
	W-PCL-TQ-R		W-CARB-AA (5 ml of MCAA Buffer Solution)		W-CT-CL-R												
	W-TR-SQ-R		W-PCB-TQ-R														
Phytoplankton (BP-1L)	DTY-QN-C		PKD-QN-BV				Ice										
DOC (P-500ML)	W-DOC	Field Filtered 0.45 um Filter				Ice	H2SO 4*	<2									
		Acid Preservative Expiration Date															
		Acid Preservative Lot Number															



RQ-2023-08-14-25	Collected By: Myranda Butler, Brook Olin
Customer: FDEP	Field Report Prepared by: Myranda Butler, Brook Olin
Project ID: SMP	Sampling Agency: FDEP

WIN ID/Field ID: 	Comments: Microbiology sample(s) submitted to contract laboratory.
WIN ID/Field ID: G3NW0012	

Location: POWELL LAKE CENTER N OF CAIN RD AREA
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Matrix: Marine	(Check One) ☒ Grab ☐ Composite
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Date and Time {CEN}	DO (mg/L)	DO (%SAT)	Temp. °C	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPT)
8/16/2023 1110	6.03	91.8	31.4	7.85	0.3	1.9	3.8	34257	21.35

Parameter Suite	Parameter Methods						Preservation			pH Check		# Bottles sent to Lab	Bottle Group					
Preserved Nutrients (P-500ML)	X	W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP					X	Ice	X	H2SO4*	X	<2	1	A				
	Lot #		SA3013020		Exp:	01/25/2024												
Metals (P-500ML)		W-ICPMS		W-ICP			W-HARD		Ice		HNO3*		<2					
	Lot #			Exp:														
Filtered Nutrients (P125ML)		W-PO4-F		Field Filtered 0.45 um Filter				Ice										
	Filter Lot #		Syringe Lot #															
BOD (BP-1L)		OV-BODUNIN						Ice										
Chlorophyll (BP-1L)	X	CHLSUITE-W					X	Ice							1	A		
Physical/Aggregate (Fresh) (P-1L)	X	Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W- TDS					X	Ice							1	A		
Physical/Aggregate (Marine) (P-1L)		Alkalinity / W-F / W-TSS / TURBIDITY						Ice										
Macroinvertebrates (PJ-2L)		MI-FW-QLDC		Formalin Lot #					Formalin									
Periphyton (PT-50ML)		ALGAE-ID						Ice										
Microbiology (Contract Lab Bottle)		E Coli		F Coli		X	Enterococci		X	Ice					1	A		
	X	Contract Lab																
Molecular (QPCR-P-500ML)		PCR-HF183		PCR-BacR			PCR-DG3			Ice								
		PCR-GULL2		PCR-GFD														
Tracers (BG-500ML)		W-E8321-DI		W-E8321-MS				Ice										
Pesticides (BG-500ML) (BG-1L)		W-E8321-DI		W-E8321-MS			W-PSNP-TQ		Ice	MCAA Exp.	MCAA Lot#							
		W-PCL-TQ-R		W-CARB-AA (5 ml of MCAA Buffer Solution)		W-CT-CL-R												
		W-TR-SQ-R		W-PCB-TQ-R														
Phytoplankton (BP-1L)		DTY-QN-C		PKD-QN-BV				Ice										
DOC (P-500ML)		W-DOC			Field Filtered 0.45 um Filter			Ice		H2SO4*		<2						
	Acid Preservative Expiration Date																	
	Acid Preservative Lot Number																	

Date of Request: 13-JUL-2023
 Created By: SLADE_C On: 13-JUL-2023
 Modified By: JASROTIA_P On: 27-JUL-2023
 Customer: NW-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Northwest District
 Event Description: Lake Powell Deployment Run

Send Coolers To:

Phone: 850-595-0567
 160 W Government Street
 Suite 208
 Pensacola, FL 32502-5794
 Attn: Stopher Slade
 Cooler Ship EMail: christopher.slade@dep.state.fl.us

Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: AYRES_J On: 26-JUL-2023
 Biology Request Reviewed By: JASROTIA_P On: 27-JUL-2023
 Sampling Kit Required: YES Ship on: 07-AUG-2023
 Sampling Kit Shipped: YES On: 01-AUG-2023
 Sampling Kit Packed By: SHAIK_A
 Preservatives Needed: NO
 Date to Receive Samples: 14-AUG-2023
 Logged In By:

Send Final Report To:

160 W Government Street
 Suite 208
 Pensacola, FL 32502-5794
 Attn: Myranda Butler
 Report Notification EMail:
 christopher.slade@floridadep.gov;Myranda.k.butler@floridadep.gov;

Comments:

Group A: (1055A, 1055B) Nutrients, Contract Lab Bacteria

Group B: (951) Metals, Contract Lab Bacteria

Packing notes;

Fed Ex labels

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	(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-SO ₄ -IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
W-TDS	Template: DEFAULT	(SM 2540 C-2015) Total Dissolved Solids in aqueous matrices
W-TSS	Template: DEFAULT	(SM 2540 D-2015) 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 10150 B) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type: TEST HAS NO	Number of Bottles: 2	Preserved With: ICE
NW-UWF-ENQ	Template: DEFAULT	(Enterolert/QT) Enterococci by Enterolert/QT by UWF in Pensacola
Bottle Type: P-500ML	Number of Bottles: 2	Preserved With: ICE And H ₂ SO ₄

Bottle Group A (Water) With 2 Samples:

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 Group B (Water) With 1 Samples:

Bottle Type: TEST HAS NO	Number of Bottles: 1	Preserved With: ICE
NW-UWF-ECQ	Template: DEFAULT	(SM 9223 B Quanti-Tray) E. coli by Colilert-18/QT by UWF in Pensacola
Bottle Type: P-500ML	Number of Bottles: 1	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
Aluminum		
Antimony		
Arsenic		
Barium		
Beryllium		
Boron		
Cadmium		
Chromium		
Cobalt		
Copper		
Lead		
Manganese		
Molybdenum		
Nickel		
Selenium		
Silver		
Thallium		