

RQ-2021-04-26-23

Login Checklist

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 5/11/2021 11:00

*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	
0.9				12					1Z 1YW 217 84 9789 5643

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: IM

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: IM

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

Yes ☐ No ☒ NA ☐ Init: IM

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

Coolers Unpacked/Checked by: IM

Date: 5/11/2021

Event contains NCRs (Y/N)? ☒

Event ID: _____

Eastern Lakes
 NW-DIST-2021-05-11-01 (SMP)
 Date Received: 11-MAY-2021 11:00

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	IR TEMP GUN #2 exp:10/28/21
pH Test Strips 0 – 6	
pH Paper 0 – 3	
pH Paper 0 – 13	219019 exp: 7/1/22
Chlorine Test Strips	0129 exp: 03/2023

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: 5/10/2021
Customer: NW-DIST
RQ: RQ-2021-04-26-23

Collected By: Heather Schmuki, Christopher Stopher Slade
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: 1

Delivery Method: UPS

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

Site Location	Field ID/WIN ID
Lake Karick (Center) (also 33040210)	 G4NW0274
Cassidy Lake Center	 G3NW0183
FB	 FB_05102021

RELINQUISHED BY(SIGNATURE):



DATE/TIME:

05/10/21 12:00CEN

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By:



Rec'd/Inspected

Date:

5/11/21



RQ-2021-04-26-23

Collected By: Heather Schmuki, Christopher Stopher Slade

Customer: FDEP

Field Report Prepared by: Heather Schmuki, Christopher Stopher Slade

Project ID: SMP

Sampling Agency: FDEP

WIN ID/Field ID:



WIN ID/Field ID: G4NW0274

Comments: Central time

Location: Lake Karick (Center) (also 33040210)

Matrix: Fresh

(Check One) ☒ Grab ☐ Composite

Date and Time	DO (mg/L)	DO (%SAT)	Temp. °C	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT)
5/10/2021 920	7.93	96.6	25.3	5.84	0.3	2.3	4.5	17.1	0.01

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)	X	W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP					X	Ice	X	H2SO4*	X	<2	1	A		
	Lot #		293040		Exp:	10/19/21										
Metals (P-500ML)	X	W-ICPMS	X	W-ICP	X	W-HARD	X	Ice	X	HNO3*	X	<2	1	A		
	Lot #		344060		Exp:	1/4/22										
Filtered Nutrients (P125ML)	X	W-PO4-F	X	Field Filtered 0.45 um Filter			X	Ice								
	Filter Lot #		17097890													
	Syringe Lot #		79929													
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-BR-IC / W-F / W-TSS / TURBIDITY						Ice									
Macroinvertebrates (PJ-2L)	MI-FW-QLDC						Ice									
Periphyton (PT-50ML)	ALGAE-ID						Ice									
Microbiology (Contract Lab Bottle)	E Coli		F Coli		Enterococci		Ice									
	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									
					W-DIELDIN											
	W-PCL-SQ-R		W-CARB-AA (5 ml of MCAA** Buffer Solution)		W-CT-CL-R											
Phytoplankton	DTY-QN-C		PKD-QN-BV				Ice									



RQ-2021-04-26-23	Collected By: Christopher Stopher Slade, Heather Schmuki
Customer: FDEP	Field Report Prepared by: Christopher Stopher Slade, Heather Schmuki
Project ID: SMP	Sampling Agency: FDEP

WIN ID/Field ID:  WIN ID/Field ID: G3NW0183 Location: Cassidy Lake Center Matrix: Fresh	Comments: Central time (Check One) ☒ Grab ☐ Composite
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Date and Time	DO (mg/L)	DO (%SAT)	Temp. ©	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPTH)
5/10/2021 1050	8.35	100.4	24.6	5.38	0.3	3.5	10.1	15.3	0.01

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)	X	W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				X	Ice	X	H2SO4*	X	<2	1	B
	Lot #		293040		Exp:		10/19/21						
Metals (P-500ML)		W-ICPMS		W-ICP			Ice		HNO3*		<2		
	Lot #				Exp:								
Filtered Nutrients (P125ML)	X	W-PO4-F		X	Field Filtered 0.45 um Filter			X	Ice			1	B
	Filter Lot #			17097890									
	Syringe Lot #			79929									
Chlorophyll (BP-1L)	X	CHLSUITE-W					X	Ice	1			B	
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			B	
Physical/Aggregate (Marine) (P-1L)		Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY						Ice					
Macroinvertebrates (PJ-2L)		MI-FW-QLDC						Ice					
Periphyton (PT-50ML)		ALGAE-ID						Ice					
Microbiology (Contract Lab Bottle)		E Coli		F Coli		Enterococci		Ice					
	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					
						W-DIELDRIN							
		W-PCL-SQ-R		W-CARB-AA (5 ml of MCAA** Buffer Solution)		W-CT-CL-R							
Phytoplankton		DTY-QN-C		PKD-QN-BV				Ice					



RQ-2021-04-26-23	Collected By: Christopher Stopher Slade, Heather Schmuki
Customer: FDEP	Field Report Prepared by: Christopher Stopher Slade, Heather Schmuki
Project ID: SMP	Sampling Agency: FDEP
WIN ID/Field ID:  WIN ID/Field ID: FB_05102021	Comments: Central time

Location: FB

Matrix: DI Water

(Check One) ☒ Grab ☐ Composite

Date and Time	DO (mg/L)	DO (%SAT)	Temp. ©	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPT)
5/10/2021 1100									

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)	X	W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				X	Ice	X	H2SO4*	X	<2	1	C
	Lot #		293040		Exp:		10/19/21						
Metals (P-500ML)		W-ICPMS		W-ICP		W-HARD			Ice		<2		
	Lot #				Exp:								
Filtered Nutrients (P125ML)	X	W-PO4-F		X	Field Filtered 0.45 um Filter			X	Ice			1	C
	Filter Lot #		17097890										
	Syringe Lot #		79929										
Chlorophyll (BP-1L)		CHLSUITE-W						Ice					
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	C	
Physical/Aggregate (Marine) (P-1L)		Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY						Ice					
Macroinvertebrates (PJ-2L)		MI-FW-QLDC						Ice					
Periphyton (PT-50ML)		ALGAE-ID						Ice					
Microbiology (Contract Lab Bottle)		E Coli		F Coli		Enterococci			Ice				
	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				
						W-DIELDRIN							
		W-PCL-SQ-R		W-CARB-AA (5 ml of MCAA** Buffer Solution)		W-CT-CL-R							
Phytoplankton		DTY-QN-C		PKD-QN-BV					Ice				

Date of Request: 01-APR-2021
 Created By: KING_M On: 01-APR-2021
 Modified By: JASROTIA_P On: 02-APR-2021
 Customer: NW-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Northwest District
 Event Description: Eastern Lakes

Send Coolers To:

Phone: 850-595-0605
 160 Government Center
 Suite 208
 Pensacola, FL 32502-5794
 Attn: Michael King
 Cooler Ship EMail: michael.king@dep.state.fl.us

Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 01-APR-2021
 Biology Request Reviewed By: JASROTIA_P On: 02-APR-2021
 Sampling Kit Required: YES Ship on: 16-APR-2021
 Sampling Kit Shipped: YES On: 15-APR-2021
 Sampling Kit Packed By: SHAIK_A
 Preservatives Needed: YES
 Date to Receive Samples: 26-APR-2021
 Logged In By:

Send Final Report To:

160 Government Center
 Suite 208
 Pensacola, FL 32502-5794
 Attn: Cheryl Bunch
 Report Notification EMail:
 Michael.King@dep.state.fl.us;Myranda.K.Butler@FloridaDEP.gov
 ;Heather.Schmuki@FloridaDEP.gov

Comments: Group A: (WBID 145) Freshwater Nutrients, Metals
 Group B: (WBID 226) Freshwater Nutrients
 Group C: (Field Blank) Freshwater Nutrients
 Packing notes;
 UPS return packing slips
 1 - Box Nitric acid
 1 - Box Sulfuric acid

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-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-SO ₄ -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: 1	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: HNO ₃
W-HARD	Template: DEFAULT	(SM 2340B) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO ₃
Hardness		

Bottle Group A (Water) With 1 Samples:

Bottle Type: P-500ML	Number of Bottles: 1	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
Barium		
Cadmium		
Iron		
Magnesium		
Manganese		
Potassium		
Sodium		
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		
Beryllium		
Cadmium		
Chromium		
Copper		
Lead		
Nickel		
Selenium		
Silver		
Thallium		

Bottle Type: P-500ML	Number of Bottles: 1	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: 1	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 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 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: 1	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type: P-500ML	Number of Bottles: 1	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: 1	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 C (Water) With 1 Samples:

Bottle Type: P-1L	Number of Bottles: 1	Preserved With: ICE
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Bottle Group C (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-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-SO ₄ -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: 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	

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