RQ-2021- 09-06-38

Login Checklist

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 10/15/2021 10:08

*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	
1.8				10		✓			522555396345

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: IM

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:** 10/15/2021 **Event contains NCRs (Y/N)?** ✓

Event ID:

Defuniak Run
NW-DIST-2021-10-15-02 (SMP)
Date Received: 15-OCT-2021 10:08

Login Checklist

Login Preservation Equipment	Lot # & Exp: Date
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

Additional Comments:

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: 10/14/2021
Customer: NW-DIST
RQ: RQ-2021-09-06-38
Collected By: Mike King, Nathan Mulkey
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:** FedEx

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

Site Location	Field ID/WIN ID
East Branch Pine Log Creek above Bear Bay Flats Road	G4NW0208
Turkey Creek upstream of CR-2A	G4NW0527
Gum Creek above Bonita Drive	G4NW0381
Shoal River upstream of County Highway 1087	G4NW0377
East Branch Pine Log Creek upstream of Hwy 331	G4NW0523
Big Swamp Creek upstream of Hwy 331	G4NW0524
Shoal River above Laird Road	G4NW0375
Gum Creek	G4NW0382

RELINQUISHED BY(SIGNATURE):

DATE/TIME: 10/14/2021
1600 CEN

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By: IM

Rec'd/Inspected Date: 10/15/21

RQ-2021-09-06-38	**Collected By**: Mike King, Nathan Mulkey
Customer: FDEP	**Field Report Prepared by**: Mike King, Nathan Mulkey
Project ID: SMP	**Sampling Agency**: FDEP
WIN ID/Field ID: **WIN ID/Field ID:** G4NW0208	**Comments**: Microbiology sample(s) submitted to contract laboratory

Location:
Location: East Branch Pine Log Creek above Bear Bay Flats Road

Matrix: Fresh | (Check One) ✓Grab ☐ Composite

Date and Time {CEN}	DO (mg/L)	DO (%SAT)	Temp. ©	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPTh
10/14/2021 1200	4.72	55.8	23.2	6.07	0.2	0.3	0.3	49.4	0.02

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 # Exp:	☐ Ice ☐ H2SO4*	<2		
Metals (P-500ML)	☐ W-ICPMS ☐ W-ICP ☐ W-HARD Lot # Exp:	☐ Ice ☐ HNO3*	<2		
Filtered Nutrients (P125ML)	☐ W-PO4-F ☐ Field Filtered 0.45 um Filter Filter Lot # Syringe Lot #	☐ 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-BR-IC / 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 Contract Lab	x 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 ☐ W-E8321-MS ☐ W-PSNP-TQ ☐ W-PCL-TQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution) ☐ W-CT-CL-R	☐ Ice			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-BV	☐ Ice			

RQ-2021-09-06-38	**Collected By**: Mike King, Nathan Mulkey
Customer: FDEP	**Field Report Prepared by**: Mike King, Nathan Mulkey
Project ID: SMP	**Sampling Agency**: FDEP
WIN ID/Field ID: **WIN ID/Field ID:** G4NW0527	**Comments**: Microbiology sample(s) submitted to contract laboratory

Location:
Location: Turkey Creek upstream of CR-2A

Matrix: Fresh — (Check One) ✓Grab ☐ Composite

Date and Time {CEN}	DO (mg/L)	DO (%SAT)	Temp. ©	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPTh
10/14/2021 1315	8.21	95.8	22.8	6.14	0.2	0.3	0.3	40.2	0.02

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 um Filter					Ice				
		Filter Lot #											
		Syringe Lot #											
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-BR-IC / 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				
		W-PCL-TQ-R		W-CARB-AA (5 ml of MCAA** Buffer Solution)		W-CT-CL-R							
Phytoplankton		DTY-QN-C		PKD-QN-BV					Ice				

RQ-2021-09-06-38	**Collected By**: Mike King, Nathan Mulkey
Customer: FDEP	**Field Report Prepared by**: Mike King, Nathan Mulkey
Project ID: SMP	**Sampling Agency**: FDEP
WIN ID/Field ID: **WIN ID/Field ID:** G4NW0381	**Comments**: Microbiology sample(s) submitted to contract laboratory

Location:
Location: Gum Creek above Bonita Drive

Matrix: Fresh (Check One) ✓Grab ☐ Composite

Date and Time {CEN}	DO (mg/L)	DO (%SAT)	Temp. ©	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPTh
10/14/2021 1030	8.12	91.2	21	5.57	0.3	0.4	0.4	26	0.01

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 um Filter								
		Filter Lot #					Ice					
		Syringe Lot #										
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-BR-IC / 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				
		W-PCL-TQ-R		W-CARB-AA (5 ml of MCAA** Buffer Solution)		W-CT-CL-R						
Phytoplankton		DTY-QN-C		PKD-QN-BV				Ice				

RQ-2021-09-06-38	**Collected By**: Mike King, Nathan Mulkey
Customer: FDEP	**Field Report Prepared by**: Mike King, Nathan Mulkey
Project ID: SMP	**Sampling Agency**: FDEP
WIN ID/Field ID: **WIN ID/Field ID:** G4NW0377	**Comments**: Microbiology sample(s) submitted to contract laboratory

Location:
Location: Shoal River upstream of County Highway 1087

Matrix: Fresh | (Check One) ✓Grab ☐ Composite

Date and Time {CEN}	DO (mg/L)	DO (%SAT)	Temp. ©	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPTh
10/14/2021 1340	8.2	94.1	21.9	5.9	0.3	0.4	0.4	27.8	0.01

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 um Filter					Ice				
		Filter Lot #											
		Syringe Lot #											
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-BR-IC / 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				
		W-PCL-TQ-R		W-CAR8-AA (5 ml of MCAA** Buffer Solution)		W-CT-CL-R							
Phytoplankton		DTY-QN-C		PKD-QN-BV					Ice				

RQ-2021-09-06-38	**Collected By**: Mike King, Nathan Mulkey
Customer: FDEP	**Field Report Prepared by**: Mike King, Nathan Mulkey
Project ID: SMP	**Sampling Agency**: FDEP
WIN ID/Field ID: **WIN ID/Field ID:** G4NW0523	**Comments**: Microbiology sample(s) submitted to contract laboratory

Location:
Location: East Branch Pine Log Creek upstream of Hwy 331

Matrix: Fresh | (Check One) ✓Grab ☐ Composite

Date and Time {CEN}	DO (mg/L)	DO (%SAT)	Temp. ©	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPTh
10/14/2021 1215	2.1	24.3	22.1	5.77	0.2	0.3	0.3	58	0.03

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 um Filter			Ice				
	Filter Lot #								
	Syringe Lot #								
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-BR-IC / 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				
	W-PCL-TQ-R	W-CARB-AA (5 ml of MCAA** Buffer Solution)	W-CT-CL-R						
Phytoplankton	DTY-QN-C	PKD-QN-BV			Ice				

RQ-2021-09-06-38	**Collected By**: Mike King, Nathan Mulkey
Customer: FDEP	**Field Report Prepared by**: Mike King, Nathan Mulkey
Project ID: SMP	**Sampling Agency**: FDEP
WIN ID/Field ID: **WIN ID/Field ID:** G4NW0524	**Comments**: Microbiology sample(s) submitted to contract laboratory

Location:
Location: Big Swamp Creek upstream of Hwy 331

Matrix: Fresh | (Check One) ✓Grab ☐ Composite

Date and Time {CEN}	DO (mg/L)	DO (%SAT)	Temp. ©	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPTh
10/14/2021 1245	8.26	95.2	22.1	5.39	0.2	0.3	0.3	26.3	0.01

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 um Filter				Ice				
		Filter Lot #										
		Syringe Lot #										
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-BR-IC / 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				
		W-PCL-TQ-R		W-CARB-AA (5 ml of MCAA** Buffer Solution)		W-CT-CL-R						
Phytoplankton		DTY-QN-C		PKD-QN-BV				Ice				

RQ-2021-09-06-38	**Collected By**: Mike King, Nathan Mulkey
Customer: FDEP	**Field Report Prepared by**: Mike King, Nathan Mulkey
Project ID: SMP	**Sampling Agency**: FDEP
WIN ID/Field ID: **WIN ID/Field ID:** G4NW0382	**Comments**: Microbiology sample(s) submitted to contract laboratory
Location: **Location**: Gum Creek	
Matrix: Fresh	(Check One) ✓Grab ☐ Composite

Date and Time {CEN}	DO (mg/L)	DO (%SAT)	Temp. ©	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPTh
10/14/2021 1000	8.03	90.3	20.7	5.51	0.3	0.5	0.5	24.4	0.01

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 um Filter				Ice				
		Filter Lot #										
		Syringe Lot #										
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-BR-IC / 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				
		W-PCL-TQ-R		W-CARB-AA (5 ml of MCAA** Buffer Solution)		W-CT-CL-R						
Phytoplankton		DTY-QN-C		PKD-QN-BV				Ice				

RQ-2021-09-06-38	**Collected By**: Mike King, Nathan Mulkey
Customer: FDEP	**Field Report Prepared by**: Mike King, Nathan Mulkey
Project ID: SMP	**Sampling Agency**: FDEP
WIN ID/Field ID: **WIN ID/Field ID:** G4NW0375	**Comments**: Microbiology sample(s) submitted to contract laboratory

Location:
Location: Shoal River above Laird Road

Matrix: Fresh | (Check One) ✓Grab ☐ Composite

Date and Time {CEN}	DO (mg/L)	DO (%SAT)	Temp. ©	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPTh
10/14/2021 905	8.14	91.1	20.9	5.53	0.3	0.8	0.8	30	0.01

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 # Exp:	Ice H2SO4*	<2		
Metals (P-500ML)	W-ICPMS W-ICP W-HARD Lot # Exp:	Ice HNO3*	<2		
Filtered Nutrients (P125ML)	W-PO4-F Field Filtered 0.45 um Filter Filter Lot # Syringe Lot #	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-BR-IC / 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 Contract Lab	x 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)	X W-E8321-DI X W-E8321-MS X W-PSNP-TQ X W-PCL-TQ-R X W-CARB-AA (5 ml of MCAA** Buffer Solution) X W-CT-CL-R	x Ice		11 or 7	A
Phytoplankton	DTY-QN-C PKD-QN-BV	Ice			

SAMPLE TRANSMITTAL FORM
Document Reference # 05.1.0

Project: FDEP | Laboratory: Wetlands Research Laboratory | Sampler's intials : NM

Method of transport: on ice by hand | Page 1 of 1

Samples delivered by: [signature] of FDEP | Date/Time: 10/14/21 1451

Sample received by: [signature] of WRL | Date/Time: 10/14/21 1451

Instructions: Fill in all fields except "Lab ID" on sample transport form completely. Each sample container must use a separate line. Place this form in a waterproof bag and place it with the samples for transport. If a field log or other chain of custody is attached, that information may be referenced on this form and the log or COC attached.

CST

Lab ID	Sample ID	Matrix[1]	Type[2]	Container Type	Analyses Requested	Preservative	Sample (°C)[3]	Sampling Date/Time
21-48607	G4NW0375 Shoal River	FW	G	Sterile plastic	Escherichia coli 18-QT	ice/$Na_2S_2O_3$	3.9	10/14/21 0905
21-48608	G4NW0381 Gum Creek	FW	G	Sterile plastic	Escherichia coli 18-QT	ice/$Na_2S_2O_3$	3.7	1030
21-48609	G4NW0382 Gum Creek	FW	G	Sterile plastic	Escherichia coli 18-QT	ice/$Na_2S_2O_3$	2.9	1000
21-48610	G4NW0377 Shoal River	FW	G	Sterile plastic	Escherichia coli 18-QT	ice/$Na_2S_2O_3$	3.4	1340
21-48611	G4NW0524 Big Swamp Creek	FW	G	Sterile plastic	Escherichia coli 18-QT	ice/$Na_2S_2O_3$	3.3	1245
21-48612	G4NW0527 Turkey Creek	FW	G	Sterile plastic	Escherichia coli 18-QT	ice/$Na_2S_2O_3$	3.7	1315
21-48613	G4NW0208 East Branch Pine Log Creek	FW	G	Sterile plastic	Escherichia coli 18-QT	ice/$Na_2S_2O_3$	2.6	1200
21-48614	G4NW0523 East Branch Pine Log Creek	FW	G	Sterile plastic	Escherichia coli 18-QT	ice/$Na_2S_2O_3$	2.7	1215

Comments: **Sample Container lot#** 20020 | Surface water, no chlorine expected

RQ -2021-09-06-38

Contact organization FDEP | Contact name [signature] | Phone:

Address 160 Governmental Center, suite 308, Pensacola, FL 32502 | Sampler's name:

[1]Matrix examples: SW = surface water, PW = pore water, GW = ground water, FW = Freshwater, MW = Marine Water, BW = Brackish Water, S = soil/sediment, Other X =

[2]Type codes: G = grab, C = composite, X = | [3] Recorded using IRT-2

RQ-2021-09-06-38

Date of Request: 16-AUG-2021
Created By: KING_M On: 16-AUG-2021
Modified By: JASROTIA_P On: 17-AUG-2021
Customer: NW-DIST
Project: SMP
Division: Division of Environmental Assessment and Restoration
District: Northwest District
Event Description: Defuniak Run

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: 17-AUG-2021
Biology Request Reviewed By: JASROTIA_P On: 17-AUG-2021
Sampling Kit Required: YES Ship on: 27-AUG-2021
Sampling Kit Shipped: YES On: 23-AUG-2021
Sampling Kit Packed By: KLUG_K
Preservatives Needed: YES
Date to Receive Samples: 06-SEP-2021
Logged In By:

Send Final Report To:

160 Government Center
Suite 208
Pensacola, FL 32502-5794
Attn: Myranda K Butler
Report Notification EMail:
Michael.King@dep.state.fl.us;Myranda.k.butler@dep.state.fl.us

Comments: Group A: (WBID 160) Pesticides, Contract Lab Bacteria

Group B: (WBID 160, 167A, 117, 92) Contract Lab Bacteria

Packing notes;

Include carbamates preservation at 1 tube/container

FedEx/ UPS return packing slips

Bottle Group A (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: BG-500ML Number of Bottles: 1 Preserved With: CH2ClCOOH and Ice
W-CARB-AA Template: DEFAULT (EPA 8321B) Carbamates in water matrices by HPLC/MS/MS
Bottle Type: BG-500ML FILL TO Number of Bottles: 4 Preserved With: ICE
W-CT-CI-R Template: DEFAULT (EPA 8276) Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization
W-PCL-TQ-R Template: (EPA 8270E) Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS
Bottle Type: BG-500ML Number of Bottles: 1 Preserved With: ICE
W-E8321-DI Template: DEFAULT (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
W-E8321-MS Template: DEFAULT (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
Bottle Type: BG-1L Number of Bottles: 4 Preserved With: ICE
W-PSNP-TQ Template: DEFAULT (EPA 8270E) Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS

Bottle Group B (Water) With 7 Samples:

Bottle Type: TEST HAS NO Number of Bottles: 7 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.