From: King, Michael
To: Klug, Kyle; Slade, Christopher "Stopher"
Cc: Bunch, Cheryl; Ayres, Joshua; Musson, Curtis
Subject: RE: RQ-2021-02-08-42
Date: Monday, February 15, 2021 10:41:23 AM

Kyle,

Thank you for the update.

Mike K

From: Klug, Kyle <Kyle.Klug@FloridaDEP.gov>
Sent: Monday, February 15, 2021 9:09 AM
To: Slade, Christopher "Stopher" <Christopher.Slade@dep.state.fl.us>; King, Michael <Michael.King@dep.state.fl.us>
Cc: Bunch, Cheryl <Cheryl.Bunch@dep.state.fl.us>; Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>
Subject: RE: RQ-2021-02-08-42
Importance: High

Good morning,

We did not receive these samples until today, and while they are still in temp, the short holds are long expired. I will log in the unaffected samples based on the SMP project login protocol.

Thank you,
Kyle

From: Slade, Christopher "Stopher" <Christopher.Slade@dep.state.fl.us>
Sent: Wednesday, February 10, 2021 3:53 PM
To: Lab.Receiving <Lab.Receiving@floridadep.gov>
Subject: RQ-2021-02-08-42

RQ-2021-02-08-42 Attached

Login Checklist

RQ- 2021-02-08-42

Login Station ID: #5

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 2/ 15 /21 @ 9:45

*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	
-0.3				10		✓			1Z1YR2170349182133O
1.6				12		✓			1Z1YR2170349175 1148

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#** 8658

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: KK

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: KK

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

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

Coolers Unpacked/Checked by: KK **Date:** 2/ 15 /21 **Event contains NCRs (Y/N)?** Y

Event ID: Twin Lakes Run
NW-DIST-2021-02-15-01 (SMP)
Date Received: 15-FEB-2021 09:45

Login Checklist

Login Preservation Equipment	Lot # & Exp: Date
Infrared Thermometer ID:	Temp Gun #5 EXP:10/28/2021
pH Test Strips 0 – 6	5/15/21 LOT#213316BV
pH Paper 0 – 3	
pH Paper 0 – 13	231019 EXP:11/01/2022
Chlorine Test Strips	8261 EXP:07/2021

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: 2/10/2021

Collected By: Christopher Stopher Slade, Nathan Mulkey

Customer: NW-DIST

Sampling Agency: FDEP

RQ: RQ-2021-02-08-42

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

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

Site Location	Field ID/WIN ID
Twin Lake	G3NW0215
Allen Lake Input	G3NW0177
Twin Lake south lobe	G3NW0448
Coleman Lake	G3NW0216
Kell-aire Lake	G3NW0217
Twin Lakes eastern lake	G3NW0449

RELINQUISHED BY(SIGNATURE): Christopher Slade **DATE/TIME:** 2/10/21 1630

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By: HK **Rec'd/Inspected Date:** 2-15-21/0945

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End of Day CCV
Yes / No

WIN Station Name: Twin Lake **Date:** 2/10/2021

WIN/Field ID: G3NW0215 **WBID:** 906A **ENR:** _____ **Latitude:** 30.39516199

County: OKALOOSA **Org ID:** 21FLPNS **Longitude:** -86.47528

Receiving Body of Water: Choctawhatchee - St. Andrew **RQ-** 2021-02-08-42

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
[x] Christopher Stopher Slade	x		x		x
[x] Nathan Mulkey		x		x	x
[ ]					
[ ]					

Sampling Equipment

- [x] Sample Container
- [ ] Dipper
- [x] Syringe
- [ ] Carboy
- [ ] Van Dorn
- [ ] Pole

Depth measured with: Meter

Secchi Equipment ID:

Collection Method

- [ ] Wading
- [ ] From Shore
- [ ] Other _____
- [x] Canoe/Kayak
- [ ] Electric Motor
- [ ] Gasoline Motor

Water Level: [x] Normal [ ] Low [ ] High [ ] Dry [ ] Pooled [ ] Flooded

Meter ID# 155077 (PRODSS)

Photos: YES **Flow:** NA **Tide:**

Tide Times: High: Low

Biological Samples Collected: [x] None [ ] HA [ ] SCI [ ] RPS [ ] Algae ID [ ] LVS [ ] LVI Other:

SBIO ID Numbers:

Notes:

Duplicate Sample

Time Zone: CEN **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 _____ (Initials/Date) **Migrate Data to WIN:** _____ (Initials/Date) **Verify Data In WIN:** _____ (Initials/Date)

RQ-2021-02-08-42
Customer: WQAP
Project ID: SMP

Collected By: Christopher Stopher Slade, Nathan Mulkey
Field Report Prepared By: Christopher Stopher Slade
Sampling Agency: FDEP

Place Label Here

WIN ID/Field ID: G3NW0215

Location: Twin Lake

Comments: Microbiology sample(s) submitted to contract laboratories (2)

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 (PPTh)
2/10/2021	945 CEN	7.06	71.3	15.8	6.41	0.3	0.8 ☒ VOB (S)	0.8	259	0.12
							Central Lab please use top row for login purposes			
	CEN									

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 ☒ $H2SO_4$*	☒ <2	1	A
	Lot #	0293040	**Exp:**	10/19/21			
Metals (P-500ML)	☐ W-ICPMS ☐ W-ICP ☐ W-HARD			☐ Ice ☐ HNO_3*	☐ <2		
	Lot #		**Exp:**				
Filtered Nutrients (P125ML)	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter			☒ Ice		1	A
	Filter Lot #	17097890					
	Syringe Lot #	0079929					
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)	☒ E Coli ☒ F Coli ☒ Enterococci ☒ Contract Lab			☒ Ice		2	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)	☐ W-E8321-DI ☐ WE8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution) ☐ W-DIELDRIN			☐ Ice			
Phytoplankton/Periphyton	☐ DTM-QL-C ☐ PEN-QL-C ☐ DTY-QN-C ☐ PKD-QN-C ☐ DTM-QN-C ☐ PRN-QN-C ☐ PKD-QN-BV			☐ Ice			

Name: Christopher Stopher Slade
Nathan Mulkey

Signature: Christopher Slade

Date: 2/10/21

*2.0 ml of Preservative used unless noted otherwise.
**MCAA: Monochloroacetic acid buffer solution

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End of Day CCV
[Yes] / No

WIN Station Name: Allen Lake Input **Date:** 2/10/2021

WIN/Field ID: G3NW0177 **WBID:** 959F **ENR:** _____ **Latitude:** 30.3566

County: WALTON **Org ID:** 21FLPNS **Longitude:** -86.249844

Receiving Body of Water: Choctawhatchee - St. Andrew **RQ-** 2021-02-08-42

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
[x] Christopher Stopher Slade	x		x		
[x] Nathan Mulkey		x		x	x

Sampling Equipment

- [x] Sample Container
- [ ] Dipper
- [ ] Syringe
- [ ] Carboy
- [ ] Van Dorn
- [ ] Pole

Depth measured with: Meter
Secchi Equipment ID:

Collection Method

- [x] Wading
- [ ] From Shore
- [ ] Other _____
- [ ] Canoe/Kayak
- [ ] Electric Motor
- [ ] Gasoline Motor

Water Level: [X] Normal [ ] Low [ ] High [ ] Dry [ ] Pooled [ ] Flooded

Meter ID# 155077 (PRODSS)

Photos: YES **Flow:** FLOW **Tide:**

Tide Times: High: Low

Biological Samples Collected: [X] None [ ] HA [ ] SCI [ ] RPS [ ] Algae ID [ ] LVS [ ] LVI Other:

SBIO ID Numbers:

Notes:

Duplicate Sample

Time Zone: CEN **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 _____ (Initials/Date) **Migrate Data to WIN:** _____ (Initials/Date) **Verify Data In WIN:** _____ (Initials/Date)

RQ-2021-02-08-42
Customer: WQAP
Project ID: SMP

Collected By: Christopher Stopher Slade, Nathan Mulkey
Field Report Prepared By: Christopher Stopher Slade
Sampling Agency: FDEP

Place Label Here

WIN ID/Field ID: G3NW0177

Location: Allen Lake Input

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 (PPTh)
2/10/2021	905 CEN	4.58	48.6	18.5	4.32	0.07	0.15 ☒ VOB (S)	0.15	82.4	0.04
							Central Lab please use top row for login purposes			
	CEN									

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 ☐ H_2SO_4*	☐ <2		
Metals (P-500ML)	☐ W-ICPMS ☐ W-ICP ☐ W-HARD Lot # Exp:	☐ Ice ☐ HNO_3*	☐ <2		
Filtered Nutrients (P125ML)	☐ W-PO4-F ☐ Field Filtered 0.45 µm 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			
Periphyton (PT-50ML)	☐ ALGAE-ID	☐ Ice			
Microbiology (Contract Lab Bottle)	☒ E Coli ☐ F Coli ☐ Enterococci ☒ Contract Lab	☒ Ice		1	B
Molecular (QPCR-P-500ML)	☒ PCR-HF183 ☒ PCR-BacR ☒ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD ☐	☒ Ice		1	B
Tracers (BG-500ML)	☒ W-E8321-DI ☒ W-E8321-MS	☒ Ice		1	B
Pesticides (BG-500ML) (BG-1L)	W-E8321-DI, WE8321-MS, W-PSNP-TQ, W-CT-CL-R, W-PCL-SQ-R, W-CARB-AA (5 ml of MCAA** Buffer Solution), W-DIELDRIN	☐ Ice			
Phytoplankton/Periphyton	DTM-QL-C, PEN-QL-C, DTY-QN-C, PKD-QN-C, DTM-QN-C, PRN-QN-C, PKD-QN-BV	☐ Ice			

Name: Christopher Stopher Slade, Nathan Mulkey

Signature: Christopher Slade

Date: 2/10/21

*2.0 ml of Preservative used unless noted otherwise.
**MCAA: Monochloroacetic acid buffer solution

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End of Day CCV [Yes] / No

WIN Station Name: Twin Lake south lobe **Date:** 2/10/2021

WIN/Field ID: G3NW0448 **WBID:** 906A **ENR:** _____ **Latitude:** 30.39249

County: Okaloosa **Org ID:** 21FLPNS **Longitude:** 86.47583

Receiving Body of Water: Choctawhatchee Bay **RQ-** 2021-02-08-42

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
[x] Christopher Stopher Slade	x		x		
[x] Nathan Mulkey		x		x	x

Sampling Equipment

- [x] Sample Container
- [ ] Dipper
- [x] Syringe
- [ ] Carboy
- [ ] Van Dorn
- [ ] Pole

Depth measured with: Meter

Secchi Equipment ID:

Collection Method

- [ ] Wading
- [ ] From Shore
- [ ] Other _____
- [x] Canoe/Kayak
- [ ] Electric Motor
- [ ] Gasoline Motor

Water Level: [X] Normal [ ] Low [ ] High [ ] Dry [ ] Pooled [ ] Flooded

Meter ID# 155077 (PRODSS)

Photos: YES **Flow:** NA **Tide:**

Tide Times: High: Low

Biological Samples Collected: [X] None [ ] HA [ ] SCI [ ] RPS [ ] Algae ID [ ] LVS [ ] LVI Other:

SBIO ID Numbers:

Notes:

Duplicate Sample

Time Zone: CEN **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 _____ (Initials/Date) **Migrate Data to WIN:** _____ (Initials/Date) **Verify Data In WIN:** _____ (Initials/Date)

RQ-2021-02-08-42
Customer: WQAP
Project ID: SMP

Collected By: Christopher Stopher Slade, Nathan Mulkey
Field Report Prepared By: Christopher Stopher Slade
Sampling Agency: FDEP

Place Label Here

WIN ID/Field ID: G3NW0448

Location: Twin Lake south lobe

Comments: Microbiology sample(s) submitted to contract laboratories (2)

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 (PPTh)
2/10/2021	1000 CEN	9.05	87.4	14.8	6.6	0.3	1.1 ☐ VOB (S)	1.6	209.5	0.1
	1003 CEN	6.81	65.5	13.9	6.46	1.1	Central Lab please use top row for login purposes		211	0.1

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 ☒ $H2SO_4$*	☒ <2	1	A
	Lot #	0293040	Exp:	10/19/21				
Metals (P-500ML)	☐ W-ICPMS ☐ W-ICP ☐ W-HARD				☐ Ice ☐ HNO_3*	☐ <2		
	Lot #		Exp:					
Filtered Nutrients (P125ML)	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter				☒ Ice		1	A
	Filter Lot #	17097890						
	Syringe Lot #	0079929						
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)	☒ E Coli ☒ F Coli ☒ Enterococci ☒ Contract Lab				☒ Ice		2	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)	W-E8321-DI	WE8321-MS	W-PSNP-TQ	W-CT-CL-R	☐ Ice			
	W-PCL-SQ-R	W-CARB-AA (5 ml of MCAA** Buffer Solution)		W-DIELDRIN				
Phytoplankton/Periphyton	DTM-QL-C	PEN-QL-C	DTY-QN-C	PKD-QN-C	☐ Ice			
	DTM-QN-C	PRN-QN-C	PKD-QN-BV					

Name: Christopher Stopher Slade, Nathan Mulkey

Signature: Christopher Slade

Date: 2/10/21

*2.0 ml of Preservative used unless noted otherwise.
**MCAA: Monochloroacetic acid buffer solution

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End of Day CCV
Yes / No

WIN Station Name: Coleman Lake **Date:** 2/10/2021

WIN/Field ID: G3NW0216 **WBID:** 906 **ENR:** _____ **Latitude:** 30.40236099

County: OKALOOSA **Org ID:** 21FLPNS **Longitude:** -86.480025

Receiving Body of Water: Choctawhatchee - St. Andrew **RQ-** 2021-02-08-42

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
[x] Christopher Stopher Slade	x		x		
[x] Nathan Mulkey		x		x	x
[ ]					
[ ]					

Sampling Equipment

- [x] Sample Container
- [ ] Dipper
- [x] Syringe
- [ ] Carboy
- [ ] Van Dorn
- [ ] Pole

Depth measured with: Meter

Secchi Equipment ID:

Collection Method

- [ ] Wading
- [ ] From Shore
- [ ] Other _____
- [x] Canoe/Kayak
- [ ] Electric Motor
- [ ] Gasoline Motor

Water Level: [x] Normal [ ] Low [ ] High [ ] Dry [ ] Pooled [ ] Flooded

Meter ID# 155077 (PRODSS)

Photos: YES **Flow:** NA **Tide:**

Tide Times: High: Low:

Biological Samples Collected: [x] None [ ] HA [ ] SCI [ ] RPS [ ] Algae ID [ ] LVS [ ] LVI Other:

SBIO ID Numbers:

Notes:

Duplicate Sample

Time Zone: CEN **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 _____ (Initials/Date) **Migrate Data to WIN:** _____ (Initials/Date) **Verify Data In WIN:** _____ (Initials/Date)

RQ-2021-02-08-42
Customer: WQAP
Project ID: SMP

Collected By: Christopher Stopher Slade, Nathan Mulkey
Field Report Prepared By: Christopher Stopher Slade
Sampling Agency: FDEP

Place Label Here

WIN ID/Field ID: G3NW0216

Location: Coleman Lake

Comments: Microbiology sample(s) submitted to contract laboratories (2)

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 (PPTh)
2/10/2021	1055 CEN	8.44	88.1	17.4	6.77	0.3	1.2 ☐ VOB (S)	1.5	204	0.1
	1100 CEN	8.18	79.9	14.6	6.76	1	Central Lab please use top row for login purposes		210.6	0.1

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 # 0293040 Exp: 10/19/21	☒ Ice ☒ H_2SO_4*	☒ <2	1	A
Metals (P-500ML)	☐ W-ICPMS ☐ W-ICP ☐ W-HARD Lot # Exp:	☐ Ice ☐ HNO_3*	☐ <2		
Filtered Nutrients (P125ML)	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter Filter Lot # 17097890 Syringe Lot # 0079929	☒ Ice		1	A
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)	☒ E Coli ☒ F Coli ☒ Enterococci ☒ Contract Lab	☒ Ice		2	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)	W-E8321-DI / WE8321-MS / W-PSNP-TQ / W-CT-CL-R / W-PCL-SQ-R / W-CARB-AA (5 ml of MCAA** Buffer Solution) / W-DIELDRIN	☐ Ice			
Phytoplankton/Periphyton	DTM-QL-C / PEN-QL-C / DTY-QN-C / PKD-QN-C / DTM-QN-C / PRN-QN-C / PKD-QN-BV	☐ Ice			

Name:	Signature:	Date:
Christopher Stopher Slade Nathan Mulkey	Christopher Slade	2/10/21

*2.0 ml of Preservative used unless noted otherwise.
**MCAA: Monochloroacetic acid buffer solution

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End of Day CCV
[Yes] / No

WIN Station Name: Kell-aire Lake **Date:** 2/10/2021

WIN/Field ID: G3NW0217 **WBID:** 906 **ENR:** _____ **Latitude:** 30.40432299

County: OKALOOSA **Org ID:** 21FLPNS **Longitude:** -86.482439

Receiving Body of Water: Choctawhatchee - St. Andrew **RQ-** 2021-02-08-42

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
[x] Christopher Stopher Slade	x		x		
[x] Nathan Mulkey		x		x	x
[ ]					
[ ]					

Sampling Equipment

- [x] Sample Container
- [ ] Dipper
- [x] Syringe
- [ ] Carboy
- [ ] Van Dorn
- [ ] Pole

Depth measured with: Meter

Secchi Equipment ID:

Collection Method

- [ ] Wading
- [ ] From Shore
- [ ] Other _____
- [x] Canoe/Kayak
- [ ] Electric Motor
- [ ] Gasoline Motor

Water Level: [X] Normal [ ] Low [ ] High [ ] Dry [ ] Pooled [ ] Flooded

Meter ID# 155077 (PRODSS)

Photos: YES **Flow:** NA **Tide:**

Tide Times: High: Low:

Biological Samples Collected: [X] None [ ] HA [ ] SCI [ ] RPS [ ] Algae ID [ ] LVS [ ] LVI Other:

SBIO ID Numbers:

Notes:

Duplicate Sample

Time Zone: CEN **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 _____ (Initials/Date) **Migrate Data to WIN:** _____ (Initials/Date) **Verify Data In WIN:** _____ (Initials/Date)

RQ-2021-02-08-42
Customer: WQAP
Project ID: SMP

Collected By: Christopher Stopher Slade, Nathan Mulkey
Field Report Prepared By: Christopher Stopher Slade
Sampling Agency: FDEP

Place Label Here

WIN ID/Field ID: G3NW0217

Location: Kell-aire Lake

Comments: Microbiology sample(s) submitted to contract laboratories (2)

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 (PPTh)
2/10/2021	1110 CEN	13.07	130.6	15.8	7.79	0.3	0.9 ☐ VOB (S)	2.1	212.7	0.1
	1115 CEN	8.04	76.5	13.5	6.98	1.6	Central Lab please use top row for login purposes		222.6	0.11

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 #** 0293040 **Exp:** 10/19/21	☒ Ice ☒ H_2SO_4*	☒ <2	1	A
Metals (P-500ML)	☐ W-ICPMS ☐ W-ICP ☐ W-HARD **Lot #** **Exp:**	☐ Ice ☐ HNO_3*	☐ <2		
Filtered Nutrients (P125ML)	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter **Filter Lot #** 17097890 **Syringe Lot #** 0079929	☒ Ice		1	A
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)	☒ E Coli ☒ F Coli ☒ Enterococci ☒ Contract Lab	☒ Ice		2	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)	☐ W-E8321-DI ☐ WE8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution) ☐ W-DIELDRIN	☐ Ice			
Phytoplankton/Periphyton	☐ DTM-QL-C ☐ PEN-QL-C ☐ DTY-QN-C ☐ PKD-QN-C ☐ DTM-QN-C ☐ PRN-QN-C ☐ PKD-QN-BV	☐ Ice			

Name: Christopher Stopher Slade, Nathan Mulkey

Signature: Christopher Slade

Date: 2/10/21

*2.0 ml of Preservative used unless noted otherwise.
**MCAA: Monochloroacetic acid buffer solution

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End of Day CCV
(Yes) / No

WIN Station Name: Twin Lakes eastern lake **Date:** 2/17/2021

WIN/Field ID: G3NW0449 **WBID:** 906A **ENR:** _____ **Latitude:** 30.39377

County: Okaloosa **Org ID:** 21FLPNS **Longitude:** 86.47302

Receiving Body of Water: Choctawhatchee Bay **RQ-** 2021-02-08-43

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
[x] Christopher Stopher Slade	x		x		
[x] Nathan Mulkey		x		x	x
[ ]					
[ ]					

Sampling Equipment

- [x] Sample Container
- [ ] Dipper
- [x] Syringe
- [ ] Carboy
- [ ] Van Dorn
- [ ] Pole

Depth measured with: Meter

Secchi Equipment ID:

Collection Method

- [ ] Wading
- [ ] From Shore
- [ ] Other _____
- [x] Canoe/Kayak
- [ ] Electric Motor
- [ ] Gasoline Motor

Water Level: [X] Normal [ ] Low [ ] High [ ] Dry [ ] Pooled [ ] Flooded

Meter ID# 155077 (ProDSS)

Photos: YES **Flow:** NA **Tide:**

Tide Times: High: Low:

Biological Samples Collected: [X] None [ ] HA [ ] SCI [ ] RPS [ ] Algae ID [ ] LVS [ ] LVI Other:

SBIO ID Numbers:

Notes:

Duplicate Sample

Time Zone: CEN **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 _____ (Initials/Date) **Migrate Data to WIN:** _____ (Initials/Date) **Verify Data In WIN:** _____ (Initials/Date)

RQ-2021-02-08-43
Customer: WQAP
Project ID: SMP

Collected By: Christopher Stopher Slade, Nathan Mulkey
Field Report Prepared By: Christopher Stopher Slade
Sampling Agency: FDEP

WIN ID/Field ID: G3NW0449
Location: Twin Lakes eastern lake

Comments: Microbiology sample(s) submitted to contract laboratories (2)

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 (PPTh)
10 MK 2/17/2021	1025 CEN	10.51	106.1	16	6.65	0.3	0.9 ☐ VOB (S)	1.4	159.1	0.08
							Central Lab please use top row for login purposes			
	CEN									

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 ☒ H_2SO_4*	☒ <2	1	A
	Lot # 0293040		Exp:	10/19/21			
Metals (P-500ML)	☐ W-ICPMS ☐ W-ICP ☐ W-HARD			☐ Ice ☐ HNO_3*	☐ <2		
	Lot #		Exp:				
Filtered Nutrients (P125ML)	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter			☒ Ice		1	A
	Filter Lot # 17097890						
	Syringe Lot # 0079929						
Chlorophyll (BP-1L)	☒ CHLSUITE-W			☒ Ice		1	A
Physical/Aggregate (Fresh) (P-1L)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / TDS W-SO4-IC / W-			☒ 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)	☒ E Coli ☒ F Coli ☒ Enterococci ☒ Contract Lab			☒ Ice		2	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)	W-E8321-DI / WE8321-MS / W-PSNP-TQ / W-CT-CL-R / W-PCL-SQ-R / W-CARB-AA (5 ml of MCAA** Buffer Solution) / W-DIELDRIN			☐ Ice			
Phytoplankton/Periphyton	DTM-QL-C / PEN-QL-C / DTY-QN-C / PKD-QN-C / DTM-QN-C / PRN-QN-C / PKD-QN-BV			☐ Ice			

Name: Christopher Stopher Slade, Nathan Mulkey
Signature: Christopher Slade
Date: 2/10/21

*2.0 ml of Preservative used unless noted otherwise.
**MCAA: Monochloroacetic acid buffer solution

SAMPLE TRANSMITTAL FORM
Document Reference # 05.1.0

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

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

Samples delivered by: S. Slade of FDEP | Date/Time: 2/10/21 / 1257

Sample received by: [signature] of WRL | Date/Time: 02/10/21 / 1257

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.

Lab ID	Sample ID	Matrix[1]	Type[2]	Container Type	Analyses Requested	Preservative	Sample (°C)[3]	Sampling Date/Time
21-47418	G3NW0215 Twin Lake	FW	G	Sterile plastic	Enterolert 24-QT/ Escherichia coli 18-QT	ice/$Na_2S_2O_3$	4.4	2/10/21 0945
21-47419	G3NW0448 Twin Lake	FW	G	Sterile plastic	Enterolert 24-QT/ Escherichia coli 18-QT	ice/$Na_2S_2O_3$	3.9	2/10/21 1000
21-47420	G3NW0449 Twin Lake	FW	G	Sterile plastic	Enterolert 24-QT/ Escherichia coli 18-QT	ice/$Na_2S_2O_3$	5.5	2/10/21 1025
21-47421	G3NW0216 Coleman Lake	FW	G	Sterile plastic	Enterolert 24-QT/ Escherichia coli 18-QT	ice/$Na_2S_2O_3$	3.7	2/10/21 1055
21-47422	G3NW0217 Kell-Aire Lake	FW	G	Sterile plastic	Enterolert 24-QT/ Escherichia coli 18-QT	ice/$Na_2S_2O_3$	4.1	2/10/21 1110
21-47423	G3NW0177 Allen Lake Input	FW	G	Sterile plastic	Escherichia coli 18-QT	ice/$Na_2S_2O_3$	4.5	2/10/21 905

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

RQ - 2021-02-08-42

Contact organization FDEP | Contact name Mike King / S. Slade | Phone:

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

[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

Eurofins TestAmerica, Pensacola
3355 McLemore Drive
Pensacola, FL 32514-7045
phone 850.474.1001 fax 850.474.4789 or 850.478.2671

Chain of Custody Record

eurofins | Environment Testing TestAmerica

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☑ Other:TMDL

Client Contact	Project Manager: Kara Sprague	Contact: Michael King	Date: 2/10/21	COC No: 660-90793-29403.1
Florida Department of Environmental Protection	Email: dep-overflowmicro@dep.state.fl.us	Contact #: 850-595-0605	Carrier: Hand delivered	1 of 1 COCs
2600 Blair Stone Rd.	Tel/Fax: 850-245-8826			Sampler: S. Slade
Tallahassee, FL 32301	**Analysis Turnaround Time**			**For Lab Use Only:**
Phone	☑ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
FAX	TAT if different from Below			Lab Sampling:
Project Name: NWROC SMP RQ-2021-02-08-FDE	☑ 2 weeks			Job / SDG No.:
Site: Alaqua Whaler Run	☐ 1 week			
P O # B7CCF3	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time (CTZ)	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	9222D- Fecal Coliforms (Membrane Filter)	Sample Specific Notes:
G3NW0215 Twin Lake	2/10/21	0945	G	W	1	N		X	
G3NW0448 Twin Lake	2/10/21	1000	G	W	1	N		X	
G3NW0449 Twin Lake	2/10/21	1025	G	W	1	N		X	
G3NW0216 Coleman Lake	2/10/21	1055	G	W	1	N		X	
G3NW0217 Kell-Aire Lake	2/10/21	1110	G	W	1	N		X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:

Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments: Please perform *three dilutions* on all fecal coliform (SM9222D) samples.

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: ____ Corr'd: ____ Therm ID No.: ____

Relinquished by: Stephen Slade	Company: FDEP	Date/Time: 2/10/21 1315	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: Kathy Owen	Company: ETA	Date/Time: 2.10.21 1315

019

RQ-2021-02-08-42

Date of Request: 21-JAN-2021
Created By: KING_M On: 21-JAN-2021
Modified By: JASROTIA_P On: 22-JAN-2021
Customer: NW-DIST
Project: SMP
Division: Division of Environmental Assessment and Restoration
District: Northwest District
Event Description: Twin Lakes 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: 22-JAN-2021
Biology Request Reviewed By: JASROTIA_P On: 22-JAN-2021
Sampling Kit Required: YES Ship on: 29-JAN-2021
Sampling Kit Shipped: YES On: 26-JAN-2021
Sampling Kit Packed By: SHAIK_A
Preservatives Needed: NO
Date to Receive Samples: 08-FEB-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;Cheryl.Bunch@dep.state.fl.us

Comments: Group A: (WBID 906A 906B) Marine, Contract Lab Bacteria

Group B: (WBID 959F) Tracers, Markers, Contract Lab Bacteria

packing notes:

UPS labels needed

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 CaCO3/L
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-BR-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Bromide 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: 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-WI-THI Number of Bottles: 5 Preserved With: ICE

NW-TA-FC	Template: DEFAULT	(SM 9222 D) Fecal coliforms by MF by Test America in Pensacola

Bottle Type: TEST HAS NO Number of Bottles: 10 Preserved With: ICE

NW-UWF-ECQ	Template: DEFAULT	(SM 9223 B Quanti-Tray) E. coli by Colilert-18/QT by UWF in Pensacola
NW-UWF-ENQ	Template: DEFAULT	(Enterolert/QT) Enterococci by Enterolert/QT by UWF in Pensacola

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

Bottle Group A (Water) With 5 Samples:

Bottle Type: P-500ML Number of Bottles: 5 Preserved With: ICE And H2SO4

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: 5 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: 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: QPCR-P-500ML Number of Bottles: 1 Preserved With: ICE

PCR-BACR	Template: DEFAULT	(SOP-PCR-1.4) Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction
PCR-DG3	Template: DEFAULT	(SOP-PCR-1.5) Detection and quantification of canine-specific DG3 Bacteroides genetic marker with quantitative polymerase chain reaction
PCR-HF183	Template: DEFAULT	(SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction

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

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