

Laurel Hill Run WBID 42 100 101 117 35A 76 92

Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: NW-DIST

Requester: Michael King

Field Report Prepared By:

F. Butera

Project ID: SMP

Collected By:

FRANK BUTERA, Stephen Slade

Sampling Agency:

DEP-NWRAC

Location		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 7-5-2017 Time 11:00	Eastern Central	Composite end Date	Time	Bottle Group(s) (See pg 2)
Field ID	Location: Eightmile Ck. G4NW0136		Matrix (type, e.g., Salt, Fresh, etc) FRESH	Diss. Oxygen 79	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	A
STORET #	RQ-2017-05-29-13 (WBID 42) Date: Time: CST	Field ID ↑ STORET ↓	Temp (C) 24.5	pH 5.8	Sample Depth 4.3	Sp. Conductance (umho/cm) 39	
Latitude	☐ dms	☐ dms	Salinity (ppt) 0.0	Comments D.O. 6.6 mg/L			
Location		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 7-05-17 Time 11:35	Eastern Central	Composite end Date	Time	Bottle Group(s)
Field ID	Location: Caney Creek G4NW0397		Matrix (type, e.g., Salt, Fresh, etc) FRESH	Diss. Oxygen 77	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	1A
STORET #	RQ-2017-05-29-13 (WBID 100) Date: 6/01/2017 Time: CST	Field ID ↑ STORET ↓	Temp (C) 24.7	pH 5.9	Sample Depth 0.2	Sp. Conductance (umho/cm) 42	
Latitude	☐ dms	☐ dms	Salinity (ppt) 0.0	Comments D.O. 6.4 mg/L			
Location		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 7-05-17 Time 12:15	Eastern Central	Composite end Date	Time	Bottle Group(s)
Field ID	Location: Unnamed Outlet G4NW0208		Matrix (type, e.g., Salt, Fresh, etc) FRESH	Diss. Oxygen 62	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	A
STORET #	RQ-2017-05-29-13 (WBID 92) Date: 6/01/2017 Time: CST	Field ID ↑ STORET ↓	Temp (C) 27.5	pH 6.2	Sample Depth 0.2	Sp. Conductance (umho/cm) 45	
Latitude	☐ dms	☐ dms	Salinity (ppt) 0.0	Comments D.O. 4.9 mg/L			
Location		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 7/5/2017 Time 12:40	Eastern Central	Composite end Date	Time	Bottle Group(s)
Field ID	Location: Pine Log Creek G4NW0315		Matrix (type, e.g., Salt, Fresh, etc) FRESH	Diss. Oxygen 94	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	A
STORET #	RQ-2017-05-29-13 (WBID 101) Date: 6/01/2017 Time: CST	Field ID ↑ STORET ↓	Temp (C) 24.3	pH 6.0	Sample Depth 0.2	Sp. Conductance (umho/cm) 30	
Latitude	☐ dms	☐ dms	Salinity (ppt) 0.0	Comments Pine Log Ck. D.O. 7.8 mg/L			

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
FS	7/5/17	Fed Ex	2	SR	7-7-17/9:55

Group: A	Bottle Type:	P-1L	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab	7
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab	7
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 7	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	7
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 7	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	7
	W-PO4-F						
Group: B	Bottle Type:	TEST HAS NO BOTTLE	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
	NW-UWF-ECQ						
Group: C	Bottle Type:	BG-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
	W-AHERB-AA						
	W-SUC-AA-R						
	W-UHERB-AA						
Group: D	Bottle Type:	QPCR-P-250ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
	PCR-FILTER						

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Central Laboratory Submittal Form

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Customer: NW-DIST

Requester: Michael King

Field Report Prepared By: F. Butler

Project ID: SMP

Collected By: F. Butler S. Glade

Sampling Agency: DEP - NW ROC

Location	Field ID	STORET #	Latitude	Location	Field ID	STORET #	Latitude	Location	Field ID	STORET #	Latitude
Location: Long Creek	RQ-2017-05-29-13 (WBID 76)	Date: 6/01/2017	Time: CST	Location: Beech Tree	RQ-2017-05-29-13 (WBID 196)	Date: 6/01/2017	Time: CDT	Location: Pond Ck. in McCloud Bay	RQ-2017-05-29-13 (WBID 35A)	Date: 6/01/2017	Time: CST
G4NW0308	G4NW0330	G4NW0349		G4NW0308	G4NW0330	G4NW0349		G4NW0308	G4NW0330	G4NW0349	
Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	Temp (C)	pH	Salinity (ppt)	Comments	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	Temp (C)	pH	Salinity (ppt)	Comments
FRESH	92	24.9	5.7	0.0	D.O. 7.6 mg/L	FRESH	98	28.0	4.8	0.0	D.O. 7.6 mg/L
Collection (comp begin or grab)	Composite end	Sample Depth	Sp. Conductance	Collection (comp begin or grab)	Composite end	Sample Depth	Sp. Conductance	Collection (comp begin or grab)	Composite end	Sample Depth	Sp. Conductance
Date 7/5/2017 Time 13:05	Date 7/5/2017 Time 13:25	0.2	25	Date 7/5/2017 Time 13:25	Date 7/5/2017 Time 13:25	0.2	17	Date 7/5/2017 Time 14:05	Date 7/5/2017 Time 14:05	0.3	29
Eastern	Central	ft	umho/cm	Eastern	Central	ft	umho/cm	Eastern	Central	ft	umho/cm
mg/L	% sat	mg/L	% sat	mg/L	% sat	mg/L	% sat	mg/L	% sat	mg/L	% sat
Total Res. Chlorine	Total Res. Chlorine	Total Res. Chlorine	Total Res. Chlorine	Total Res. Chlorine	Total Res. Chlorine	Total Res. Chlorine	Total Res. Chlorine	Total Res. Chlorine	Total Res. Chlorine	Total Res. Chlorine	Total Res. Chlorine
(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Bottle Group(s)	Bottle Group(s)	Bottle Group(s)	Bottle Group(s)	Bottle Group(s)	Bottle Group(s)	Bottle Group(s)	Bottle Group(s)	Bottle Group(s)	Bottle Group(s)	Bottle Group(s)	Bottle Group(s)
A	A	A	A	A	A	A	A	A	A	A	A

Relinquished By: FB	Date/Time: 7-05-17	Shipping Method: Fed Ex	Number of Coolers Shipped: 2	Received By: SR	Date/Time: 7-7-17/9:55
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Group: A	Bottle Type:	P-1L	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	ALKALINITY					
	TURBIDITY					
	W-CL-IC					
	W-COLOR					
	W-F					
	W-SO4-IC					
	W-TDS					
	W-TSS					
Group: A	Bottle Type:	BP-1L	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	CHLSUITE-W					
Group: A	Bottle Type:	P-500ML	# of Bottles: 7	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab _____
	W-NH3					
	W-NO2NO3					
	W-S-A-TP					
	W-TKN					
	W-TOC					
Group: A	Bottle Type:	P-125ML	# of Bottles: 7	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab _____
	W-PO4-F					
Group: B	Bottle Type:	TEST HAS NO BOTTLE	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	NW-UWF-ECQ					
Group: C	Bottle Type:	BG-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	W-AHERB-AA					
	W-SUC-AA-R					
	W-UHERB-AA					
Group: D	Bottle Type:	QPCR-P-250ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	PCR-FILTER					

Date of Request: 24-APR-2017
 Created By: KING_M On: 24-APR-2017
 Modified By: MATTHEWS_D On: 08-MAY-2017
 Customer: NW-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Northwest District
 Sampling Event: Laurel Hill Run WBID 42 100 101 117 35A 76 92

Send Coolers To:

Phone: SC-595-0605
 160 W Government St
 Suite 208A
 Pensacola, FL 32502-5794
 Attn: Michael King

Program Module Number: 1306
 Priority: 3
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 08-MAY-2017
 Biology Request Reviewed By: MATTHEWS_D On: 08-MAY-2017
 Sampling Kit Required: YES Ship on: 11-MAY-2017
 Sampling Kit Shipped: YES On: 12-MAY-2017
 Sampling Kit Packed By: REAVES_S
 Preservatives Needed: NO
 Date to Receive Samples: 29-MAY-2017
 Received By: REAVES_S On: 07-JUL-2017

Send Final Report To:

160 W Government St
 Suite 208A
 Pensacola, FL 32502-5794
 Attn: Michael King

Report Type: Final Only
 FTP Data: NO
 QC Report: YES
 Date Log: NO
 Authorization Log: NO

Comments:

Bottle Group A (Water) With 7 Samples:

Bottle Type: P-1L	Number of Bottles: 7	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-97) 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) True Color measured at 450 nm
Color (true)		
W-F	Template: DEFAULT	(SM 4500 F-C-97) 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-97) Total Dissolved Solids in aqueous matrices
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices
Bottle Type: BP-1L	Number of Bottles: 7	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry
Bottle Type: P-500ML	Number of Bottles: 7	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-00) Nonpurgeable Organic Carbon in aqueous matrices
Bottle Type: P-125ML	Number of Bottles: 7	Preserved With: ICE-FLTR
W-PO ₄ -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 Quanti-Tray) Escherichia coli by Collert 18 Quanti-Tray method by UWF Overflow Laboratory for NWD

Bottle Group C (Water) With 1 Samples:

Bottle Type: BG-1L	Number of Bottles: 1	Preserved With: ICE
W-AHERB-AA	Template: DEFAULT	(USGS O-2060-01) Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS

Bottle Group C (Water) With 1 Samples:

Bottle Type: BG-1L	Number of Bottles: 1	Preserved With: ICE
W-SUC-AA-R	Template: DEFAULT	(EPA 8321B) Analysis of sucralose in water matrices by HPLC/MS/MS
W-UHERB-AA	Template: DEFAULT	(USGS O-2060-01) Urea herbicides and other chemicals in water matrices by HPLC/MS/MS

Bottle Group D (Water) With 1 Samples:

Bottle Type: QPCR-P-250ML	Number of Bottles: 2	Preserved With: ICE
PCR-FILTER	Template: DEFAULT	(SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis

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

RQ- 2017-05-29-13

Log-in Checklist

Shipping Method: FedexDate/Time of Receipt: 7-7-17/9:55

Cooler ID	Cooler Temperature*	No. Sample Containers in Cooler	Evidence Tape				Tracking # (fill out only if waybill copy is damaged)
			Present?		*Intact?		
Yes	No	Yes	No	Yes	No		
Red	6.4	16		✓			
Red	6.1	12		✓			

*If the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX), or if Evidence Seal is damaged, identify the containers in the affected cooler(s) on back of this form.

****Note:** If "No" is checked in any of the fields below, fill out the back of this form with additional details (Field ID, Test IDs, etc.) and generate an NCR.

**Chain of Custody/ Field Sheet(s) Included? Yes ✓ No

CONTAINER CHECK

**Evidence Tape on Bottles? Yes No ✓ If yes, is it intact? Yes ✓ No

**Caps on tight? Yes ✓ No **Containers intact? Yes ✓ No

**Sufficient Sample Volume: Yes ✓ No

CHLORINE CHECK (Blue dot on container)

Check the Box marked "Yes" or "No" for the Presence of Chlorine. If Cl detected, an NCR is required.					
Analysis	Yes	No	Analysis	Yes	No
W-1,4 DIOX			W-PC-AA-SF		
W-AHERB-AA (-AHB-AA-R)			W-PCL-SQ (-R)		
W-BNA (-625, -R)			W-PDQUAT		
W-CARB-AA (-CAB-AA-R)			W-PESTNP-R		
W-ENDO-AA			W-PSCL-TQ		
W-GLYPH			W-PSNP-TQ		
W-NP-AA-SF			W-PST-CL-R		
W-PAH (-R)			W-TR-TQ		
W-PCB-R			W-CT-CI-R		

PRESERVATION CHECK (EXCLUDING SAMPLES SENT TO OVERFLOW LABS, "OV-")

**Acid Preserved Samples: pH ≤ 2.0? Yes ✓ No NA Init: SR

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

Coolers Unpacked/Checked by: SR Date: 7-7-17

NCRs (Y/N)? YN

Event ID: NW-DIST-2017-07-07-01

NCR #

Log-in Checklist

Samples with Incorrect pH Preservation or presence of Chlorine

Field ID	Bottle Test ID(s)	pH / Cl	Action Taken

Samples in Coolers with Incorrect Preservation or Damaged Evidence Tape

Cooler ID	Field ID	Bottle Test ID(s)

Bottles Not Intact

Field ID	Bottle Test ID(s)	Loose Cap	Damaged Cap		Damaged Container		Evidence Tape Not Intact
			CK	BR	CK	BR	

Samples with Insufficient Volume for Analyses

Field ID	Bottle Test ID(s)	Action Taken

ENCORE SAMPLES

S-VOC-MS samples in Encores must be frozen within 48 hours of collection.

Were Encore samples received? Yes _____ No ✓

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 _____

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: _____

Additional Comments:

FedEx
Express

Package
US Airbill

FedEx
Tracking
Number

8113 0562 7517

Form
ID No.

0215

Recipient's Copy

Packages up to 150 lbs.
For packages over 150 lbs., use the
FedEx Express Freight US Airbill.

Align FedEx Pouch Here

Lift Using This Tag

1 From
Date 7/5/2017
Sender's Name FRANK BATERA 350 595 8344
Company FL DEP NWROC
Address 160 W. GOVERNMENT. SE
City PANAMA State FL ZIP 32502

2 Your Internal Billing Reference

3 To
Recipient's Name SAMPLE RECEIVING Phone 350 245-8085
Company FLORIDA DEP/CHEMISTRY SECTION
Address 2600 BLAIRSTONE RD
City TALLAHASSEE State FL ZIP 32399

Hold Weekday
FedEx location address
REQUIRED. NOT available for
FedEx First Overnight.

Hold Saturday
FedEx location address
REQUIRED. Available ONLY for
FedEx Priority Overnight and
FedEx 2Day to select locations.

0126430468



8113 0562 7517

4 Express Package Service

* To most locations.

Next Business Day

- ☐ FedEx First Overnight
Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless Saturday Delivery is selected.
- ☒ FedEx Priority Overnight
Next business morning.* Friday shipments will be delivered on Monday unless Saturday Delivery is selected.
- ☐ FedEx Standard Overnight
Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- ☐ FedEx 2Day A.M.
Second business morning.* Saturday Delivery NOT available.
- ☐ FedEx 2Day
Second business afternoon.* Thursday shipments will be delivered on Monday unless Saturday Delivery is selected.
- ☐ FedEx Express Saver
Third business day.* Saturday Delivery NOT available.

5 Packaging

* Declared value limit \$500.

- ☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☒ Other

6 Special Handling and Delivery Signature Options

Fees may apply. See the FedEx Service Guide.

- ☐ Saturday Delivery
NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☐ No Signature Required
Package may be left without obtaining a signature for delivery.

☐ Direct Signature
Someone at recipient's address may sign for delivery.

☐ Indirect Signature
If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only.

Does this shipment contain dangerous goods?

- One box must be checked.
☒ No ☐ Yes
As per attached Shipper's Declaration.

☐ Yes
Shipper's Declaration not required.

☐ Dry Ice
Dry Ice, 9, UN 1845 x kg

Restrictions apply for dangerous goods—see the current FedEx Service Guide.

☐ Cargo Aircraft Only

7 Payment Bill to:

Enter FedEx Acct. No. or Credit Card No. below.

Obtain recip. Acct. No.

- ☐ Sender Acct. No. in Section 1 will be billed. ☒ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

Total Packages Total Weight

Credit Card Auth.

*Our liability is limited to US\$100 unless you declare a higher value. See the current FedEx Service Guide for details.

*Rev. Date 5/15 • Fdt #163134 • ©1994-2015 FedEx • PRINTED IN U.S.A. SRM

611

Dept./Floor/Suite/Room		
Street Address We cannot deliver to P.O. boxes or P.O. ZIP codes.		
City		
State	ZIP	Country

Courier o
Place Astra or Bar

© 2011 FedEx 150454 REV 10/11 RRD

ORIGIN ID:PNSA (850) 245-8085
FLORIDA DEP/CHEMISTRY SECTION

2600 BLAIRSTONE RD

TALLAHASSEE, FL 323996542
UNITED STATES US

SHIP DATE: 05JUL17
ACTWGT: 53.90 LB
CAD: /POS1802
DIMS: 24x16x14 IN

BILL SENDER

Part # 156297-436 RITE EXP 10/17
1253/2303/11795 50/40 014256

TO **SAMPLE**
FLORIDA DEP/CHEMISTRY SECTION
2600 BLAIRSTONE RD

TALLAHASSEE FL 32399

(850) 245-8085

REF:

DEPT:



FedEx
Express



2 of 2

MP# 7870 9241 3415

Mstr# 8143 0662 7517

0215

THU - 06 JUL 10:30A
PRIORIT OVERNIGHT

XH TLHA

32399

FL-US TLH

