

Request Number: RQ-2017-07-10-33

Dune Lakes Run WBID 1037 959,B,G,H,J 937

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Page 1 of 3

last revised Apr 7, 2016

Customer: NW-DIST

Project ID: SMP

Requester: Michael King

Collected By: Frank Butera, M. King

Field Report Prepared By: F. Butera

Sampling Agency: FL DEP NWRO

Location	G3NW0084		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 7/27/17 Time 10:30	Eastern Central	Composite end Date	Time	Bottle Group(s) (See pg 2)
Field ID	Location: Fuller Lake		Matrix (type, e.g., Salt, Fresh, etc) FRESH		Diss. Oxygen 75.2	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	A
STORET #	RQ-2017-07-10-33 (WBID 959G) Date: Time: CST		Temp (C) 34.5	pH 4.9	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 88	
Latitude	G3NW0084		Salinity (ppt) 0.0	Comments DO 5.6 ms/L				
Location	G3NW0126		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 7/27/17 Time 11:15	Eastern Central	Composite end Date	Time	Bottle Group(s)
Field ID	Location: Morris Lake		Matrix (type, e.g., Salt, Fresh, etc) FRESH		Diss. Oxygen 91	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	B
STORET #	RQ-2017-07-10-33 (WBID 959) Date: Time: CST		Temp (C) 34.6	pH 5.3	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 94	
Latitude	G3NW0126		Salinity (ppt) 0.0	Comments				
Location	G3NW0083		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 7/27/17 Time 12:00	Eastern Central	Composite end Date	Time	Bottle Group(s)
Field ID	Location: Stallworth Lake		Matrix (type, e.g., Salt, Fresh, etc) SALT		Diss. Oxygen 103	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	B
STORET #	RQ-2017-07-10-33 (WBID 959B) Date: Time: CST		Temp (C) 34.9	pH 7.0	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 5269	
Latitude	G3NW0083		Salinity (ppt) 2.81	Comments				
Location	G3NW0085		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 7/27/17 Time 12:45	Eastern Central	Composite end Date	Time	Bottle Group(s)
Field ID	Location: Allen Lake		Matrix (type, e.g., Salt, Fresh, etc) FRESH		Diss. Oxygen 90	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	A
STORET #	RQ-2017-07-10-33 (WBID 959H) Date: Time: CST		Temp (C) 31.1	pH 5.5	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 82	
Latitude	G3NW0085		Salinity (ppt) 0.0	Comments				

Relinquished By: F. Butera	Date/Time: 7/27/2017	Shipping Method: Fed Ex	Number of Coolers Shipped: 2	Received By: J. Q.	Date/Time: 7/28/17 10:00
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Project ID: SMP

Requester: Michael King

Collected By: Frank Butera, M. King

Field Report Prepared By:

Sampling Agency:

F. ButeraFL DEP - NWROC

Location		☐ Comp ☒ Grab		Collection (comp begin or grab)		Eastern ☐ Central ☒ Composite end		Bottle Group(s)	
Field ID		Date		Time		Date		Time	
STORET #		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☒ % sat		Total Res. Chlorine (mg/L)	
Latitude		Temp (C)		pH		Sample Depth		Sp. Conductance (umho/cm)	
		Salinity (ppt)		Comments					
Location: Little Redfish Lake		G3NW0125		Date: 7/27/17		Time: 14:34		B	
RQ-2017-07-10-33 (WBID 959J)		Field ID		Date: 7/27/17		Time: 14:34		B	
Date: CST		STORET		Date: 7/27/17		Time: 14:34		B	
Time: CST		G3NW0125		Date: 7/27/17		Time: 14:34		B	
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		pH		Sample Depth		Sp. Conductance	
SALT		92		6.3		0.3		3617	
Temp (C)		Salinity (ppt)		Comments					
32.5		1.9		D.O. 6.6 mg/L, Bottom salinity 25.5, SALT (FB)					
Location: Eastern Lake.		G3NW0124		Date: 7/27/17		Time: 15:30		B	
RQ-2017-07-10-33 (WBID 1037)		Field ID		Date: 7/27/17		Time: 15:30		B	
Date: CST		STORET		Date: 7/27/17		Time: 15:30		B	
Time: CST		G3NW0124		Date: 7/27/17		Time: 15:30		B	
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		pH		Sample Depth		Sp. Conductance	
SALT		99		7.6		0.3		33982	
Temp (C)		Salinity (ppt)		Comments					
32.9		21.1		D.O. 6.4 mg/L					
Location		☐ Comp ☐ Grab		Collection (comp begin or grab)		Eastern ☐ Central ☐ Composite end		Bottle Group(s)	
Field ID		Date		Time		Date		Time	
STORET #		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)	
Latitude		Temp (C)		pH		Sample Depth		Sp. Conductance (umho/cm)	
Longitude		Salinity (ppt)		Comments					
dd dms		dd dms							
Location		☐ Comp ☐ Grab		Collection (comp begin or grab)		Eastern ☐ Central ☐ Composite end		Bottle Group(s)	
Field ID		Date		Time		Date		Time	
STORET #		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)	
Latitude		Temp (C)		pH		Sample Depth		Sp. Conductance (umho/cm)	
Longitude		Salinity (ppt)		Comments					
dd dms		dd dms							

Relinquished By: <u>FB</u>	Date/Time: <u>7/27/2017</u>	Shipping Method: <u>FED Ex</u>	Number of Coolers Shipped: <u>2</u>	Received By: <u>JD</u>	Date/Time: <u>7/28/17 10:05</u>
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Group: A	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	2
	W-PO4-F						
Group: B	Bottle Type:	P-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	ALKALINITY						
	TURBIDITY						
	W-F						
	W-TSS						
Group: B	Bottle Type:	BP-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	CHLSUITE-W						
Group: B	Bottle Type:	P-500ML	# of Bottles: 5	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	4
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: B	Bottle Type:	P-125ML	# of Bottles: 5	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	4

Group: B

Bottle Type:

P-125ML

of Bottles: 5

Preservative:

ICE-FLTR

Enter Number of Bottles Sent to Lab

4

W-PO4-F

Date of Request: 26-JUN-2017
 Created By: KING_M On: 26-JUN-2017
 Modified By: WATTS_J On: 29-JUN-2017
 Customer: NW-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Northwest ROC
 Sampling Event: Dune Lakes Run WBID 1037 959,B,G,H,J 937

Send Coolers To:

Phone: SC-695-0605
 160 W Government St
 Suite 208A
 Pensacola, FL 32502-5794
 Attn: Michael King

Program Module Number: 1306
 Priority: 3
 Event Status: A
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 26-JUN-2017
 Biology Request Reviewed By: WATTS_J On: 29-JUN-2017
 Sampling Kit Required: NO Ship on:
 Sampling Kit Shipped:
 Sampling Kit Packed By:
 Preservatives Needed: NO
 Date to Receive Samples: 10-JUL-2017
 Received By:

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 2 Samples:**

Bottle Type: P-1L	Number of Bottles: 2	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-97) 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) 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-SO4-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: 2	Preserved With: ICE
CHLSUITE-W	Template:	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type: P-500ML	Number of Bottles: 2	Preserved With: ICE And H2SO4
W-NH3	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Template: DEFAULT	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Template: DEFAULT	(SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices
Bottle Type: P-125ML	Number of Bottles: 2	Preserved With: ICE-FLTR
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 5 Samples:

Bottle Type: P-1L	Number of Bottles: 5	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-F	Template: DEFAULT	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices

Bottle Group B (Water) With 5 Samples:

Bottle Type: BP-1L	Number of Bottles: 5	Preserved With: ICE
CHLSUITE-W	Template:	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
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
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: 5	Preserved With: ICE-FLTR
W-PO4-F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Log-in Checklist

RQ- 2017-07-10-33

Shipping Method: FedEx

Date/Time of Receipt: 7/28/17 10:05

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	
RED	1.6°C	12		☒			7873 2431 2421
RED	2.0°C	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: J.D.

**W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes ☐ No ☒ NA ☐ Init: J.D.

Coolers Unpacked/Checked by: J.D. Date: 7/28/17 NCRs (Y/N)? ☐

Event ID: MW-DIST-2017-07-28-01 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: