

Request Number: RQ-2017-10-09-22

Freeport/Bay/Washington run WBID 557

Florida Department of Environmental Protection Central Laboratory Submittal Form

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last revised Apr 7, 2016

Customer: NW-DIST

Project ID: SMP

Requester: Michael King

Collected By:

Field Report Prepared By:

Sampling Agency:

Location	Location: Magnolia Creek abv Owl Heads Road		G3NW0099		☐ Comp ☒ Grab		Collection (comp begin or grab)		Eastern	Composite end		Bottle Group(s) (See pg 2)
Field ID	RQ-2017-10-09-22 (WBID 557)		Field ID STORET		Date	10/12/17	Time	1025	Central	Date		
STORE	Date:		G3NW0099		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)	
Latitude	☐ dd ☐ dms		Longitude		Temp (C)		pH		Sample Depth		Sp. Conductance (umho/cm)	
Location	Location: Magnolia Creek abv Owl's Head's Rd		G3NW0099DUPLICATE		☐ Comp ☒ Grab		Collection (comp begin or grab)		Eastern	Composite end		Bottle Group(s)
Field ID	RQ-2017-10-09-22 (WBID 557)		Field ID STORET		Date	10/12/17	Time	1030	Central	Date		
STORE	Date:		G3NW0099		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)	
Latitude	☐ dd ☐ dms		Longitude		Temp (C)		pH		Sample Depth		Sp. Conductance (umho/cm)	
Location	Location: Magnolia Creek abv Owl Head's Road		FIELD BLANK		☐ Comp ☒ Grab		Collection (comp begin or grab)		Eastern	Composite end		Bottle Group(s)
Field ID	RQ-2017-10-09-22		Field ID		Date	10/12/17	Time	1035	Central	Date		
STORE	Date:				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)	
Latitude	☐ dd ☐ dms		Longitude		Temp (C)		pH		Sample Depth		Sp. Conductance (umho/cm)	
Location	Location: Four Mile Creek abv Hwy 20		G3NW0112		☐ Comp ☒ Grab		Collection (comp begin or grab)		Eastern	Composite end		Bottle Group(s)
Field ID	RQ-2017-10-09-22 (WBID 557)		Field ID STORET		Date	10/12/17	Time	1110	Central	Date		
STORE	Date:		G3NW0112		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)	
Latitude	☐ dd ☐ dms		Longitude		Temp (C)		pH		Sample Depth		Sp. Conductance (umho/cm)	

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
S. Blode	1030 10/12/17	Fedex	2	Tyler R	10/13/17 @ 10:14

Group: A	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	1
	W-ICP						
	W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	1
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	1
	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-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	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	<u>4</u>
	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	<u>1</u>
	W-PO4-F					

Request Number: RQ-2017-10-09-22

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last revised Apr 7, 2016

Customer: NW-DIST

Project ID: SMP

Requester: Michael King

Field Report Prepared By: J Slade

Collected By: J Slade v. mulkey

Sampling Agency: FDep NW Roc

Location	Location: Otter Creek @ Otter Creek Bridge Road		Field ID RQ-2017-10-09-22 (WBID 950)		Date: Date:		Time: CDT		G3NW0133 Field ID STORET G3NW0133		☐ Comp ☒ Grab Collection (comp begin or grab) Date 10/12/17 Time 1205 Eastern Central		Composite end Date Time		Bottle Group(s) (See pg 2) A			
STORET #	Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) 0.08		pH 6.36		Temp (C) 25.96		Diss. Oxygen 6.92		☒ mg/L ☐ % sat Total Res. Chlorine (mg/L)		Sample Depth 0.2 ☐ ft ☒ m Sp. Conductance (umho/cm) 161		Comments	
Location	Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt)		pH		Temp (C)		Diss. Oxygen ☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		Sample Depth ☐ ft ☐ m		Sp. Conductance (umho/cm)	
Field ID	Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt)		pH		Temp (C)		Diss. Oxygen ☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		Sample Depth ☐ ft ☐ m		Sp. Conductance (umho/cm)	
STORET #	Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt)		pH		Temp (C)		Diss. Oxygen ☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		Sample Depth ☐ ft ☐ m		Sp. Conductance (umho/cm)	
Location	Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt)		pH		Temp (C)		Diss. Oxygen ☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		Sample Depth ☐ ft ☐ m		Sp. Conductance (umho/cm)	
Field ID	Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt)		pH		Temp (C)		Diss. Oxygen ☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		Sample Depth ☐ ft ☐ m		Sp. Conductance (umho/cm)	
STORET #	Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt)		pH		Temp (C)		Diss. Oxygen ☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		Sample Depth ☐ ft ☐ m		Sp. Conductance (umho/cm)	
Location	Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt)		pH		Temp (C)		Diss. Oxygen ☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		Sample Depth ☐ ft ☐ m		Sp. Conductance (umho/cm)	
Field ID	Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt)		pH		Temp (C)		Diss. Oxygen ☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		Sample Depth ☐ ft ☐ m		Sp. Conductance (umho/cm)	
STORET #	Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt)		pH		Temp (C)		Diss. Oxygen ☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		Sample Depth ☐ ft ☐ m		Sp. Conductance (umho/cm)	
Location	Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt)		pH		Temp (C)		Diss. Oxygen ☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		Sample Depth ☐ ft ☐ m		Sp. Conductance (umho/cm)	
Field ID	Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt)		pH		Temp (C)		Diss. Oxygen ☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		Sample Depth ☐ ft ☐ m		Sp. Conductance (umho/cm)	
STORET #	Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt)		pH		Temp (C)		Diss. Oxygen ☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		Sample Depth ☐ ft ☐ m		Sp. Conductance (umho/cm)	
Location	Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt)		pH		Temp (C)		Diss. Oxygen ☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		Sample Depth ☐ ft ☐ m		Sp. Conductance (umho/cm)	
Field ID	Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt)		pH		Temp (C)		Diss. Oxygen ☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		Sample Depth ☐ ft ☐ m		Sp. Conductance (umho/cm)	
STORET #	Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt)		pH		Temp (C)		Diss. Oxygen ☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		Sample Depth ☐ ft ☐ m		Sp. Conductance (umho/cm)	

Relinquished By: J Slade	Date/Time: 1630 10/12/17	Shipping Method: FedEx	Number of Coolers Shipped: 2	Received By: Tyler R.	Date/Time: 10/13/17 @ 10:14
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Group: A	Bottle Type:	P-1L	# of Bottles: 1	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: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	CHLSUITE-W					
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab _____
	W-ICP					
	W-ICPMS					
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	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: 1	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab _____
	W-PO4-F					
Group: B	Bottle Type:	P-1L	# of Bottles: 5	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: B	Bottle Type:	BP-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	CHLSUITE-W					

Group: B	Bottle Type:	P-500ML	# of Bottles: 5	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab _____
	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 _____
	W-PO4-F				

Date of Request: 14-SEP-2017
 Created By: KING_M On: 14-SEP-2017
 Modified By: SWANSON_C On: 18-SEP-2017
 Customer: NW-DIST
 Project: SMP
 Division:
 District: Northwest District
 Sampling Event: Freeport/Bay/Washington run WBID 557

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: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WHITE_R On: 15-SEP-2017
 Biology Request Reviewed By: SWANSON_C On: 18-SEP-2017
 Sampling Kit Required: YES Ship on: 29-SEP-2017
 Sampling Kit Shipped: YES On: 02-OCT-2017
 Sampling Kit Packed By: REAVES_S
 Preservatives Needed: NO
 Date to Receive Samples: 09-OCT-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 1 Samples:**

Bottle Type: P-1L	Number of Bottles: 1	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: 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: 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
Calcium		
Chromium		
Iron		
Magnesium		
Nickel		
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
Arsenic		
Cadmium		
Copper		

Bottle Group A (Water) With 1 Samples:

Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: HNO3
W-ICPMS	Template:	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Lead
Silver

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-00) 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 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-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: 5	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: 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: FILTER-ICE
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-2017-10-09-22

Shipping Method: FED EX

Date/Time of Receipt: 10/13/17 @ 10:14 am

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	1.10C	9		✓			811977803256
Red	2.30C	12		✓			811977803245

*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: MR

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

Coolers Unpacked/Checked by: Tyler R. Date: 10/13/17 NCRs (Y/N)? N

Event ID: NW-OIST-2017-10-B-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: