

WBID 351 361 432 445 476 321

Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: NW-DIST

Requester: Michael King

Field Report Prepared By: N. Mulk

Project ID: SMP

Collected By: Nathan Mulk / Rick AlendSampling Agency: FOEP

Location <u>Titi Creek above Eglin 214</u>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>4/11/16</u> Time <u>1000</u>	Eastern ☒ Central	Composite end Date _____ Time _____	Bottle Group(s) (See pg 2)
Field ID <u>G4NW0369</u>		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen <u>9.1</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
STORET # <u>G4NW0369</u>		Temp (C) <u>17.2</u>	pH <u>5.1</u>	Sample Depth <u>0.3</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>15</u>
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) ☐ dd ☐ dms	Comments			
Location: Titi Creek abv Eglin Rd 207 RQ-2016-02-22-04(WBID 321) Date: <u>4/11/16</u> Time: <u>1040</u> CST		Field ID <u>G4NW0364</u> STORET <u>33040121</u>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>4/11/16</u> Time <u>1040</u>	Eastern ☒ Central
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen <u>9.0</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
STORET		Temp (C) <u>16.9</u>	pH <u>5.8</u>	Sample Depth <u>0.3</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>15</u>
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) ☐ dd ☐ dms	Comments			
Location: Titi Cr @ Eglin 220 AKA JAXGRD # 07015007 RQ-2016-02-22-04(WBID 321) Date: <u>4/11/16</u> Time: <u>1100</u> CST		Field ID <u>G4NW0368</u> STORET <u>33040184</u>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>4/11/16</u> Time <u>1100</u>	Eastern ☒ Central
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen <u>9.0</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
STORET		Temp (C) <u>16.8</u>	pH <u>5.9</u>	Sample Depth <u>0.2</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>15</u>
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) ☐ dd ☐ dms	Comments			
Location: Titi Creek above SR 285 RQ-2016-02-22-04(WBID 321) Date: <u>4/11/16</u> Time: <u>1130</u> CST		Field ID <u>G4NW0365</u> STORET <u>G4NW0365</u>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>4/11/16</u> Time <u>1130</u>	Eastern ☒ Central
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen <u>9.3</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
STORET		Temp (C) <u>16.3</u>	pH <u>5.5</u>	Sample Depth <u>0.2</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>14</u>
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) ☐ dd ☐ dms	Comments			

Relinquished By: <u>[Signature]</u>	Date/Time: <u>4/11/16</u>	Shipping Method: <u>Pub Ex</u>	Number of Coolers Shipped: _____	Received By: <u>[Signature]</u>	Date/Time: <u>4/12/16/9:28</u>
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Group: A	Bottle Type:	P-1L	# of Bottles: 14	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>4</u>
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	P-1L	# of Bottles: 14	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>4</u>
	BOD-UNIN						
Group: A	Bottle Type:	BP-1L	# of Bottles: 14	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>4</u>
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 14	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: A	Bottle Type:	P-125ML	# of Bottles: 14	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	<u>4</u>
	W-PO4-F						

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Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: NW-DIST

Requester: Michael King

Field Report Prepared By: N. Malley

Project ID: SMP

Collected By: Nathan Malley / Rick AlandSampling Agency: FDPR

Loca	Location: Boiling Creek abv Eglin Rd 211 RQ-2016-02-22-04(WBID 517) Date: <u>4/11/16</u> Time: <u>1300</u> CST		G4NW0342 Field ID STORET 33040136	☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>4/11/16</u> Time <u>1300</u>	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)
Field				Matrix (type, e.g., Salt, <u>Fresh</u> , etc)		Diss. Oxygen <u>9.3</u>	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
STO				Temp (C) <u>20.2</u>	pH <u>5.5</u>	Sample Depth <u>0.2</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>16</u>
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments			
Location	Catfish Br @ Eglin 736 AKA JAXGRD # 0201S003 RQ-2016-02-22-04(WBID 663) Date: <u>4/11/16</u> Time: <u>1345</u> CST		G4NW0104 Field ID STORET 33030173	☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>4/11/16</u> Time <u>1345</u>	Eastern Central	Composite end Date Time	Bottle Group(s)
Field				Matrix (type, e.g., Salt, <u>Fresh</u> , etc)		Diss. Oxygen <u>7.9</u>	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
STO				Temp (C) <u>20.3</u>	pH <u>5.1</u>	Sample Depth <u>0.2</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>24</u>
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments			
Location	Dean Creek, West Head @ Vonnies T Rd			☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>4/11/16</u> Time <u>1420</u>	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID	<u>G4NW0279</u>			Matrix (type, e.g., Salt, <u>Fresh</u> , etc)		Diss. Oxygen <u>8.2</u>	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
STORET #	<u>G4NW0279</u>			Temp (C) <u>22.1</u>	pH <u>5.3</u>	Sample Depth <u>0.3</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>21</u>
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments			
Location	West Head of Dean Creek at Natalie Lane RQ-2016-02-22-04(WBID 683) Date: <u>4/11/16</u> Time: <u>1430</u> CST		G4NW0278 Field ID STORET G4NW0278	☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>4/11/16</u> Time <u>1430</u>	Eastern Central	Composite end Date Time	Bottle Group(s)
Field II				Matrix (type, e.g., Salt, <u>Fresh</u> , etc)		Diss. Oxygen <u>8.4</u>	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
STORI				Temp (C) <u>21.2</u>	pH <u>5.4</u>	Sample Depth <u>0.2</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>22</u>
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments			

Relinquished By: <u>[Signature]</u>	Date/Time: <u>4/11/16</u>	Shipping Method: <u>Fed Ex</u>	Number of Coolers Shipped: <u>1</u>	Received By: <u>[Signature]</u>	Date/Time: <u>4/16/16 9:28</u>
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Group: A	Bottle Type:	P-1L	# of Bottles: 14	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>4</u>
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ALKALINITY
TURBIDITY
W-CL-IC
W-COLOR
W-F
W-SO4-IC
W-TDS
W-TSS

Group: A	Bottle Type:	P-1L	# of Bottles: 14	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>4</u>
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BOD-UNIN

Group: A	Bottle Type:	BP-1L	# of Bottles: 14	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>4</u>
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CHLSUITE-W

Group: A	Bottle Type:	P-500ML	# of Bottles: 14	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	<u>4</u>
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W-NH3
W-NO2NO3
W-S-A-TP
W-TKN
W-TOC

Group: A	Bottle Type:	P-125ML	# of Bottles: 14	Preservative: ICE-FLTR	Enter Number of Bottles Sent to Lab	<u>4</u>
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W-PO4-F

Florida Department of Environmental Protection
Central Laboratory Submittal Form

WBID 351 361 432 445 476 321

last revised Apr 7, 2016

Customer: NW-DIST

Requester: Michael King

Field Report Prepared By:

Project ID: SMP

Collected By:

Sampling Agency:

Location	Location: Dean Creek upstream of SR-87		G4NW0362 Field ID ↑ STORET ↓ G4NW0362		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 4/11/16 Time 1445	Eastern Central	Composite end Date	Bottle Group(s) (See pg 2)
Field ID	RQ-2016-02-22-04(WBID 683)				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 8.9	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
STORET #	Date: 4/11/16 Time: 1445 CST				Temp (C) 19.7	pH 5.6	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 24
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments				
Location					☐ Comp ☐ Grab	Collection (comp begin or grab) Date	Eastern Central	Composite end Date	Bottle Group(s)
Field ID					Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
STORET #					Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments				
Location					☐ Comp ☐ Grab	Collection (comp begin or grab) Date	Eastern Central	Composite end Date	Bottle Group(s)
Field ID					Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
STORET #					Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments				
Location					☐ Comp ☐ Grab	Collection (comp begin or grab) Date	Eastern Central	Composite end Date	Bottle Group(s)
Field ID					Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
STORET #					Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments				

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
<i>[Signature]</i>	4/11/16	Fed Ex		<i>[Signature]</i>	4/16/16 9:28

Group: A	Bottle Type:	P-1L	# of Bottles: 14	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
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ALKALINITY
TURBIDITY
W-CL-IC
W-COLOR
W-F
W-SO4-IC
W-TDS
W-TSS

Group: A	Bottle Type:	P-1L	# of Bottles: 14	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
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BOD-UNIN

Group: A	Bottle Type:	BP-1L	# of Bottles: 14	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
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CHLSUITE-W

Group: A	Bottle Type:	P-500ML	# of Bottles: 14	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	
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W-NH3
W-NO2NO3
W-S-A-TP
W-TKN
W-TOC

Group: A	Bottle Type:	P-125ML	# of Bottles: 14	Preservative: ICE-FLTR	Enter Number of Bottles Sent to Lab	
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W-PO4-F

Date of Request: 13-JAN-2016
 Created By: KING_M On: 13-JAN-2016
 Modified By: WATTS_J On: 02-FEB-2016
 Customer: NW-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Northwest District
 Sampling Event: WBID 351 361 432 445 476 321

Send Coolers To:

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

Send Final Report To:

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: 02-FEB-2016
 Biology Request Reviewed By: SWANSON_C On: 19-JAN-2016
 Sampling Kit Required: YES Ship on: 08-FEB-2016
 Sampling Kit Shipped: YES On: 08-FEB-2016
 Sampling Kit Packed By: SHAIK_A
 Preservatives Needed: NO
 Date to Receive Samples: 22-FEB-2016
 Received By: BOWDEN_M On: 12-APR-2016

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

Comments:**Bottle Group A (Water) With 14 Samples:**

Bottle Type: P-1L	Number of Bottles: 14	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: P-1L	Number of Bottles: 14	Preserved With: ICE
BOD-UNIN	Template: DEFAULT	(SM 5210 B) BOD, NOT nitrogen-inhibited
Bottle Type: BP-1L	Number of Bottles: 14	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: 14	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: 14	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

Log-in Checklist

RQ- 2016-02-22-04

Shipping Method: Fedex

Date/Time of Receipt: 4/12/16/9:28

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	-0.6	20		✓			7828 0823 8674
Red	0.5	10		✓			7828 0823 8663
Red	-0.1	15		✓			7828 0823 8685

*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					

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

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

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

Coolers Unpacked/Checked by: MB Date: 4/12/16

NCRs (Y/N)? N

Event ID: NW-DIST-2016-04-12-01

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 – Methyl Mercury Preservation Check:

Samples Preserved within 48 hours? Yes _____ No _____

Date and time samples preserved: _____

Additional Comments: