

Shoal/Gum WBID 167 167A 160 30G

Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: NW-DIST

Requester: Michael King

Field Report Prepared By:

MICHAEL KING

Project ID: SMP

Collected By: MICHAEL KING / Nathan Mulvey

Sampling Agency: FDP NV ROC

Locat	Location: Shoal River . off Old Dorcas Rd Walton Co. RQ-2016-09-26-19(WBID 160) Date: 9/29 Time: 1010 CST	G4NW0375 Field ID ↑ STORET ↓ 33040038	☐ Comp ☒ Grab	Collection (comp begin or grab) Date	Eastern Central	Composite end Date	Time	Bottle Group(s) (See pg 2)
Field				Matrix (type, e.g., Salt, <u>Fresh</u> etc)	Diss. Oxygen 91	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	
STOR				Temp (C) 22.9	pH 7.4	Sample Depth 0.2	Sp. Conductance (umho/cm) 31	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 0.0	Comments			
Locat	Location: Shoal River Hinote rd RQ-2016-09-26-19(WBID 160) Date: 9/29 Time: 1030 CST	G4NW0376 Field ID ↑ STORET ↓ G4NW0376	☐ Comp ☒ Grab	Collection (comp begin or grab) Date	Eastern Central	Composite end Date	Time	Bottle Group(s)
Field				Matrix (type, e.g., Salt, <u>Fresh</u> etc)	Diss. Oxygen 92	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	
STOR				Temp (C) 22.9	pH 4.8	Sample Depth 0.2	Sp. Conductance (umho/cm) 31	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 0.0	Comments			
Location			☐ Comp ☒ Grab	Collection (comp begin or grab) Date	Eastern Central	Composite end Date	Time	Bottle Group(s)
Field	Location: Shoal River CR-1087 RQ-2016-09-26-19(WBID 160) Date: 9/29 Time: 1050 CST	G4NW0377 Field ID ↑ STORET ↓ G4NW0377		Matrix (type, e.g., Salt, <u>Fresh</u> etc)	Diss. Oxygen 90 23 um	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	
STO				Temp (C) 23	pH 6.5	Sample Depth 0.2	Sp. Conductance (umho/cm) 31	
Latit			☐ dd ☐ dms	Salinity (ppt) 0.0	Comments			
Location			☐ Comp ☒ Grab	Collection (comp begin or grab) Date	Eastern Central	Composite end Date	Time	Bottle Group(s)
Field	Location: Big Swamp cr FLA 187 RQ-2016-09-26-19(WBID 160) Date: 9/29 Time: 1120 CST	G4NW0378 Field ID ↑ STORET ↓ 33040034		Matrix (type, e.g., Salt, <u>Fresh</u> etc)	Diss. Oxygen 94	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	
STC				Temp (C) 23.1	pH 6.4	Sample Depth 0.2	Sp. Conductance (umho/cm) 43	
Latit			☐ dd ☐ dms	Salinity (ppt) 0.0	Comments			

Relinquished By:	Date/Time 9/29/16 1600	Shipping Method FedEx	Number of Coolers Shipped: 3	Received By: MB	Date/Time 9/30/16/10:10
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Group: A	Bottle Type:	P-1L	# of Bottles: 10	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:	BP-1L	# of Bottles: 10	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: 10	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: 10	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	<u>4</u>
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W-PO4-F

Shoal/Gum WBID 167 167A 160 30G

Customer: NW-DIST

Requester: Michael King

Field Report Prepared By: MICHAEL KING

Project ID: SMP

Collected By: MICHAEL KING / NATHAN MURPHY

Sampling Agency: FDEP NW ROR

Location	Location: Gum Creek abv Bartlett Rd RQ-2016-09-26-19(WBID 167) Date: 9/29 Time: 1135 CST	G4NW0323 Field ID STORET 33040082	☐ Comp ☒ Grab	Collection (comp begin or grab) Date _____ Time _____	Eastern Central	Composite end Date _____ Time _____	Bottle Group(s) (See pg 2)
Field ID			Matrix (type, e.g., Salt, <u>Fresh</u> , etc)	Diss. Oxygen 63	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	
STORET			Temp (C) 23.9	pH 5.1	Sample Depth 0.2	Sp. Conductance (umho/cm) 26	
Latitude	☐ dms	☐ dd ☐ dms	Salinity (ppt)	Comments			
Location	Location: Gum Creek Hwy 83 RQ-2016-09-26-19(WBID 167) Date: 9/29 Time: 1200 CST	G4NW0322 Field ID STORET 33040078	☐ Comp ☒ Grab	Collection (comp begin or grab) Date _____ Time _____	Eastern Central	Composite end Date _____ Time _____	Bottle Group(s)
Field ID			Matrix (type, e.g., Salt, <u>Fresh</u> , etc)	Diss. Oxygen 68	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	
STORE			Temp (C) 23.9	pH 5.2	Sample Depth 0.2	Sp. Conductance (umho/cm) 22	
Latitude	☐ dms	☐ dd ☐ dms	Salinity (ppt) 3.2	Comments			
Locr	Location: G4NW0323DUPLICATE Gum Creek above Bartlett Rd S. of Glendale RQ-2016-09-26-19(WBID 167) Date: 9/29 Time: 1145 CST	G4NW0323 Field ID STORET 33040082	☐ Comp ☒ Grab	Collection (comp begin or grab) Date _____ Time _____	Eastern Central	Composite end Date _____ Time _____	Bottle Group(s)
Field			Matrix (type, e.g., Salt, <u>Fresh</u> , etc)	Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
STC			Temp (C)	pH	Sample Depth	Sp. Conductance (umho/cm)	
Latitude	☐ dms	☐ dd ☐ dms	Salinity (ppt)	Comments			
Locr	Location: Gum Creek RQ-2016-09-26-19(WBID 167A) Date: 9/29 Time: 1250 CST	G4NW0381 Field ID STORET G4NW0381	☐ Comp ☒ Grab	Collection (comp begin or grab) Date _____ Time _____	Eastern Central	Composite end Date _____ Time _____	Bottle Group(s)
File			Matrix (type, e.g., Salt, <u>Fresh</u> , etc)	Diss. Oxygen 90	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	
ST			Temp (C) 23.6	pH 5.7	Sample Depth 0.2	Sp. Conductance (umho/cm) 26	
Latitude	☐ dms	☐ dd ☐ dms	Salinity (ppt) 6.0	Comments			

Relinquished By: <u>[Signature]</u>	Date/Time 9/29/16 1200	Shipping Method FDEX	Number of Coolers Shipped: 3	Received By: <u>NB</u>	Date/Time 9/30/16 10:10
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Group: A	Bottle Type:	P-1L	# of Bottles: 10	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: A	Bottle Type:	BP-1L	# of Bottles: 10	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 10	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: A	Bottle Type:	P-125ML	# of Bottles: 10	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	4
	W-PO4-F						

Shoal/Gum WBID 167 167A 160 30G

Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: NW-DIST

Requester: Michael King

Field Report Prepared By: MICHAEL KING

Project ID: SMP

Collected By: MICHAEL KING / Nathan miving

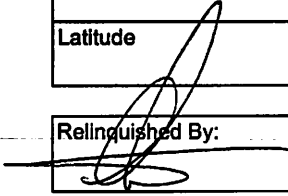
Sampling Agency: FDEP NW DIST

Location: Gum		☐ Comp ☐ Grab	Collection (comp begin or grab) Date _____ Time _____	Eastern Central	Composite end Date _____ Time _____	Bottle Group(s) (See pg 2)
Field ID: RQ-2016-09-26-19	Field ID ↑	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
STOI Date: 9/29 Time: 12:00 CST		Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) ☐ ppt	Comments			

Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date _____ Time _____	Eastern Central	Composite end Date _____ Time _____	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) ☐ ppt	Comments		

Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date _____ Time _____	Eastern Central	Composite end Date _____ Time _____	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) ☐ ppt	Comments		

Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date _____ Time _____	Eastern Central	Composite end Date _____ Time _____	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) ☐ ppt	Comments		

Relinquished By: 	Date/Time: 9/29/16 1600	Shipping Method: FedEx	Number of Coolers Shipped: 3	Received By: MB	Date/Time: 9/30/16 10:10
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Group: A	Bottle Type:	P-1L	# of Bottles: 10	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: 10	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	CHLSUITE-W						

Group: A	Bottle Type:	P-500ML	# of Bottles: 10	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: 10	Preservative: ICE-FLTR	Enter Number of Bottles Sent to Lab	1	
	W-PO4-F						

Date of Request: 31-AUG-2016
 Created By: KING_M On: 31-AUG-2016
 Modified By: MATTHEWS_D On: 08-SEP-2016
 Customer: NW-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Northwest District
 Sampling Event: Shoal/Gum WBID 167 167A 160 30G

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: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 08-SEP-2016
 Biology Request Reviewed By: MATTHEWS_D On: 08-SEP-2016
 Sampling Kit Required: YES Ship on: 19-SEP-2016
 Sampling Kit Shipped: YES On: 19-SEP-2016
 Sampling Kit Packed By: BOWDEN_M
 Preservatives Needed: NO
 Date to Receive Samples: 26-SEP-2016
 Received By:

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

Comments:

Bottle Group A (Water) With 10 Samples:

Bottle Type: P-1L	Number of Bottles: 10	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: 10	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: 10	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: 10	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- 2016-09-26-19

Shipping Method: Fedex

Date/Time of Receipt: 9/30/16/10:10

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
<u>Red</u>	<u>1.6</u>	<u>12</u>		☒		
<u>Red</u>	<u>0.5</u>	<u>12</u>		☒		
<u>Red</u>	<u>0.1</u>	<u>12</u>		☒		

*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: 9/30/16 NCRs (Y/N)? N

Event ID: NW-DIST-2016-09-30-01 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: