

Reynolds, Tyler

From: Mulkey, Nathan
Sent: Wednesday, April 19, 2017 12:07 PM
To: Reynolds, Tyler
Cc: King, Michael
Subject: RE: Collection Time

1120 CST

From: King, Michael
Sent: Wednesday, April 19, 2017 11:00 AM
To: Mulkey, Nathan <Nathan.Mulkey@dep.state.fl.us>
Subject: Fwd: Collection Time

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From: Reynolds, Tyler <tyler.reynolds@dep.state.fl.us>
Sent: Wednesday, April 19, 2017 10:59 AM
Subject: Collection Time
To: King, Michael <michael.king@dep.state.fl.us>

Please provide me with the collection time for site location: Perdido River below Alligator Bayou. No collection time recorded on container or submittal form.

Tyler W. Reynolds
Laboratory Tech IV
Florida Department of Environmental Protections
850-345-8332
Direct: 58784



Customer: NW-DIST

Requester: Michael King

Field Report Prepared By:

Stephen Slade

Project ID: SMP

Collected By:

Nathan Mulkey

Sampling Agency:

FDEP NWROC

Location	Location: Tee Lake Center		G5NW0035 Field ID STORET G5NW0035		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 4/13/17 Time 1030	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)	
Field ID	RQ-2017-04-03-69 (WBID 784)				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 6.8	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
STORET	Time: CDT				Temp (C) 23.0	pH 6.8	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 6201	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 3.4	Comments					E
Location	Location: Perdido River @ mouth		G5NW0018 Field ID STORET G5NW0018		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 4/13/17 Time 1055	Eastern Central	Composite end Date Time	Bottle Group(s)	
Field ID	RQ-2017-04-03-69 (WBID 462A)				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 7.9	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
STORET	Time: CDT				Temp (C) 22.1	pH 8.0	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 5670	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 2.9	Comments					E
Location	Location: Perdido River above Hunt landing		G5NW0016 Field ID STORET G5NW0016		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 4/13/17 Time 1110	Eastern Central	Composite end Date Time	Bottle Group(s)	
Field ID	RQ-2017-04-03-69 (WBID 462A)				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 7.6	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
STORET	Time: CDT				Temp (C) 21.8	pH 7.8	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 2286	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 1.2	Comments					E
Location	Location: Perdido River below Alligator Bayou		G5NW0017 Field ID STORET G5NW0017		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 4/13/17 Time	Eastern Central	Composite end Date Time	Bottle Group(s)	
Field ID	RQ-2017-04-03-69 (WBID 462A)				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 7.5	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
STORET	Time: CDT				Temp (C) 21.2	pH 9.9	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 1479	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 0.7	Comments					E

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Stephen Slade	4/13/17 1600	Fedex	3	Tyler Pluynold	04/14/17 @ 10:06am

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:	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:	TEST HAS NO BOTTLE	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	NW-UWF-ENQ						
Group: C	Bottle Type:	BG-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	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	2
	PCR-FILTER						
Group: E	Bottle Type:	BP-1L	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab	7
	CHLSUITE-W						
Group: E	Bottle Type:	P-1L	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab	7
	TURBIDITY						
	W-F						
	W-TDS						

Group: E	Bottle Type:	P-1L	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>7</u>
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W-TSS

Group: E	Bottle Type:	P-500ML	# of Bottles: 7	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	<u>7</u>
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W-NH3
W-NO2NO3
W-S-A-TP
W-TKN
W-TOC

Group: E	Bottle Type:	P-125ML	# of Bottles: 7	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	<u>7</u>
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W-PO4-F

Customer: NW-DIST

Requester: Michael King

Field Report Prepared By:

Project ID: SMP

Collected By:

Sampling Agency:

Location	Location: Perdido River		G5NW0034	☐ Comp	Collection (comp begin or grab)	Eastern	Composite end	Bottle
Field ID	RQ-2017-04-03-69 (WBID 462B)		Field ID	☒ Grab	Date 4/13/17	Time 1145	Date	Group(s)
STORET	Date: 4/13/17		STORET	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	mg/L	Total Res. Chlorine	(See pg 2)
Latitude	☐ dd	Longitude	G5NW0034	Temp (C) 20.7	pH 7.8	% sat	(mg/L)	B,C
	☐ dms			Salinity (ppt) 0.123	Sample Depth 0.3	ft	Sp. Conductance (umho/cm) 123	D,E
				Comments				
Location	Location: Perdido River @ Rick's Landing		G5NW0033	☐ Comp	Collection (comp begin or grab)	Eastern	Composite end	Bottle
Field ID	RQ-2017-04-03-69 (WBID 462C)		Field ID	☒ Grab	Date 4/13/17	Time 0935	Date	Group(s)
STORET	Date:		STORET	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	mg/L	Total Res. Chlorine	A
Latitude	☐ dd	Longitude	G5NW0035	Temp (C) 19.9	pH 7.1	% sat	(mg/L)	
	☐ dms			Salinity (ppt) 0.0	Sample Depth 0.3	ft	Sp. Conductance (umho/cm) 35	
				Comments				
Location	Location: Big Lagoon Hwy 292 ICW bridge		G5NW0121	☐ Comp	Collection (comp begin or grab)	Eastern	Composite end	Bottle
Field ID	RQ-2017-04-03-69 (WBID 1004D)		Field ID	☒ Grab	Date 4/13/17	Time 1325	Date	Group(s)
STORET	Date:		STORET	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	mg/L	Total Res. Chlorine	E
Latitude	☐ dd	Longitude	G5NW0121	Temp (C) 24.0	pH 8.0	% sat	(mg/L)	
	☐ dms			Salinity (ppt) 21.7	Sample Depth 0.3	ft	Sp. Conductance (umho/cm) 34557	
				Comments				
Location	Location: Big Lagoon State Park		G5NW0122	☐ Comp	Collection (comp begin or grab)	Eastern	Composite end	Bottle
Field ID	RQ-2017-04-03-69 (WBID 1004D)		Field ID	☒ Grab	Date 4/13/17	Time 1345	Date	Group(s)
STORET	Date:		STORET	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	mg/L	Total Res. Chlorine	E
Latitude	☐ dd	Longitude	G5NW0122	Temp (C) 24.9	pH 8.2	% sat	(mg/L)	
	☐ dms			Salinity (ppt) 22.2	Sample Depth 0.3	ft	Sp. Conductance (umho/cm) 35206	
				Comments				

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
<i>[Signature]</i>	4/13/17 1600	Fedex	3	Tyler Reynolds	04/14/17 @ 10:06 am

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:	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:	TEST HAS NO BOTTLE	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	NW-UWF-ENQ					
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					
Group: E	Bottle Type:	BP-1L	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	CHLSUITE-W					
Group: E	Bottle Type:	P-1L	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	TURBIDITY					
	W-F					
	W-TDS					

Date of Request: 16-MAR-2017
 Created By: KING_M On: 16-MAR-2017
 Modified By: MATTHEWS_D On: 17-MAR-2017
 Customer: NW-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Northwest District
 Sampling Event: ENRA Perdido River 1004D 462A 784 462B,C

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: WATTS_J On: 16-MAR-2017
 Biology Request Reviewed By: MATTHEWS_D On: 17-MAR-2017
 Sampling Kit Required: YES Ship on: 27-MAR-2017
 Sampling Kit Shipped: YES On: 27-MAR-2017
 Sampling Kit Packed By: REYNOLDS_T
 Preservatives Needed: YES
 Date to Receive Samples: 03-APR-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: 4 - cases of sulfuric acid
 2 - cases of Nitric acid

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 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: 1	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: 1	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: 1	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-ENQ	Template: DEFAULT	(Enterolert/QT) Enterococci by Enterolert 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
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Bottle Group C (Water) With 1 Samples:

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

Bottle Group E (Water) With 7 Samples:

Bottle Type: P-500ML	Number of Bottles: 7	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: 7	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 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-1L	Number of Bottles: 7	Preserved With: ICE
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-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

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

RQ- 2017-04-03-69

Log-in Checklist

Shipping Method: FedexDate/Time of Receipt: 04/14/17 10:06 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	-0.9	7		✓			811171112159
Red	0.7	12		✓			811171112148
Red	0.2	16		✓			811171112137

*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: YPL

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

Coolers Unpacked/Checked by: YPL Date: 04/14/17 NCRs (Y/N)? N

Event ID: NW-DIST-2017-04-14-02 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: