

From: [Linger, Michael](#)
To: [Lurding, Kathleen](#); [Bowden, Magan](#)
Subject: RE: Station Correction
Date: Monday, March 5, 2018 4:14:45 PM
Attachments: [RQ-2018-02-26-63.pdf](#)

I attached an amended submittal form for this.

Mike Linger

From: Linger, Michael
Sent: Monday, March 05, 2018 9:09 AM
To: Lurding, Kathleen <Kathleen.Lurding@dep.state.fl.us>; Bowden, Magan <Magan.Bowden@dep.state.fl.us>
Subject: FW: Station Correction

Kathleen and Magan,

I had an incorrect WIN ID on RQ-2018-02-26-63, that was sampled last week. I apologize for this happening again, we had a label template that was not corrected. Could you please send me a copy of the submittal form so that I can correct it. And let me know if anything else needs to be done.

Erroneous WIN ID/Field ID	Correct WIN/Field ID
G2CE00168	G2CE0174

Thanks,

Michael Linger
Environmental Specialist
Florida Department of Environmental Protection
Division of Environmental Assessment and Restoration
3319 Maguire Blvd. Suite 232
Orlando FL, 32803
407-897-4180

From: Ayala, Natalie
Sent: Monday, March 05, 2018 8:15 AM
To: Linger, Michael <Michael.Linger@dep.state.fl.us>; Drennan, Lawrence <Lawrence.Drennan@dep.state.fl.us>
Subject: FW: Station Correction

Mike,

How did this station get used again? We caught this on 2/20 and the wrong station was used again on 2/28. Are we still referencing previous field sheets?

Can you contact Magan Bowden about correcting this one?

Thanks,
Natalie

From: Bowden, Magan
Sent: Tuesday, February 20, 2018 3:36 PM
To: Ayala, Natalie <Natalie.Ayala@dep.state.fl.us>; Lurding, Kathleen <Kathleen.Lurding@dep.state.fl.us>
Cc: Linger, Michael <Michael.Linger@dep.state.fl.us>; Musson, Curtis <Curtis.Musson@dep.state.fl.us>
Subject: RE: Station Correction

Completed.

Magan Bowden
Florida DEP Labs
Office: 850-245-8062
Direct: 58062
Magan.Bowden@dep.state.fl.us

From: Ayala, Natalie
Sent: Tuesday, February 20, 2018 11:58 AM
To: Bowden, Magan <Magan.Bowden@dep.state.fl.us>; Lurding, Kathleen <Kathleen.Lurding@dep.state.fl.us>
Cc: Linger, Michael <Michael.Linger@dep.state.fl.us>; Musson, Curtis <Curtis.Musson@dep.state.fl.us>
Subject: RE: Station Correction

Thank you, Magan.

I did a thorough review of our other stations and found one more mistake related to this station mix up. Is it possible to correct the station for RQ-2018-01-29-55 sampled on 2/1/2018.

If so, the amended submittal form is attached.

Erroneous WIN ID/Field ID	Correct WIN/Field ID
G2CE00168	G2CE0174

Thank you,
Natalie

From: Bowden, Magan

Sent: Monday, February 19, 2018 9:16 AM

To: Ayala, Natalie <Natalie.Ayala@dep.state.fl.us>; Lurding, Kathleen <Kathleen.Lurding@dep.state.fl.us>

Cc: Linger, Michael <Michael.Linger@dep.state.fl.us>; Musson, Curtis <Curtis.Musson@dep.state.fl.us>; Williams, Kathryn M. <Kathryn.M.Williams@dep.state.fl.us>

Subject: RE: Station Correction

This is completed.

Magan Bowden

Florida DEP Labs

Office: 850-245-8062

Direct: 58062

Magan.Bowden@dep.state.fl.us

From: Ayala, Natalie

Sent: Friday, February 16, 2018 11:49 AM

To: Lurding, Kathleen <Kathleen.Lurding@dep.state.fl.us>; Bowden, Magan <Magan.Bowden@dep.state.fl.us>

Cc: Linger, Michael <Michael.Linger@dep.state.fl.us>; Musson, Curtis <Curtis.Musson@dep.state.fl.us>; Williams, Kathryn M. <Kathryn.M.Williams@dep.state.fl.us>

Subject: RE: Station Correction

Thanks Kathy. Attached is the amended submittal form.

Thanks,
Natalie

From: Lurding, Kathleen

Sent: Thursday, February 15, 2018 4:56 PM

To: Ayala, Natalie <Natalie.Ayala@dep.state.fl.us>; Bowden, Magan <Magan.Bowden@dep.state.fl.us>

Cc: Linger, Michael <Michael.Linger@dep.state.fl.us>; Musson, Curtis <Curtis.Musson@dep.state.fl.us>

Subject: FW: Station Correction

Natalie –

Neither the Biology nor Chemistry events have reported so we can change this for you. Will you please send Magan an amended copy of the submittal form? When she has that she'll make the correction.

Kathy

KM Lurding
Administrator, Scientific Support Services Program
FDEP Laboratories
(850) 245-8076

From: Ayala, Natalie
Sent: Thursday, February 15, 2018 4:46 PM
To: Lurding, Kathleen <Kathleen.Lurding@dep.state.fl.us>
Cc: Linger, Michael <Michael.Linger@dep.state.fl.us>; Musson, Curtis
<Curtis.Musson@dep.state.fl.us>
Subject: Station Correction

Kathy,

I caught a station error with samples collected on February 5 under RQ 2018-02-05-73. Is it soon enough to amend the LIMS record for these?

There were two samples submitted under the stations G2CE0068 AND G2CE0069. The correct stations are in the table below.

Erroneous WIN ID/Field ID	Correct WIN/Field ID
G2CE0068	G2CE0168
G2CE0069	G2CE0169

Thanks for your help,
Natalie Ayala

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Customer: CEN-DIST

Project ID: SMP

Requester: Michael Linger

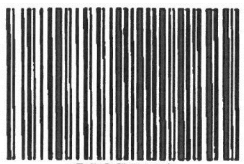
Field Report Prepared By:

Collected By:

Mike Linger / Lawrence Drennan

Sampling Agency:

Mike Linger
FOEP CE-ROE

Location		WIN ID / Field ID →				☐ Comp ☒ Grab		Collection (comp begin or grab)		☒ Eastern ☐ Central		Composite end		Bottle Group(s)			
Field ID		Elder Springs Run @				Date		2/28/18		Time		1149		Date		Time	
WIN/ST		US of Myrtle St				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)				C	
Latitude						Temp (C)		19.38		pH		7.41		Sample Depth		0.15	
						Salinity (ppt)				Comments							
Location		WIN ID / Field ID →		G2CE0174		☐ Comp ☒ Grab		Collection (comp begin or grab)		☒ Eastern ☐ Central		Composite end		Bottle Group(s)			
Field ID		Little Wekiva (west) @				Date		2/28/18		Time		1332		Date		Time	
WIN/ST		150m East of Northwestern Ave (2987B)				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)				A	
Latitude						Temp (C)		23.57		pH		6.92		Sample Depth		0.2	
						Salinity (ppt)				Comments							
Location		WIN ID / Field ID →				☐ Comp ☒ Grab		Collection (comp begin or grab)		☒ Eastern ☐ Central		Composite end		Bottle Group(s)			
Field ID						Date		2/28/18		Time				Date		Time	
WIN/STORET #						Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)					
Latitude				Longitude		Temp (C)				pH				Sample Depth		0.2	
						Salinity (ppt)				Comments							
Location		WIN ID / Field ID →				☐ Comp ☐ Grab		Collection (comp begin or grab)		☐ Eastern ☐ Central		Composite end		Bottle Group(s)			
Field ID						Date				Time				Date		Time	
WIN/STORET #						Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)					
Latitude				Longitude		Temp (C)				pH				Sample Depth		0.2	
						Salinity (ppt)				Comments							

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
MLL	2/28/18 1600	FedEx	3	SR	3-1-18/10:40

Log-in Checklist

RQ- 2018-0226-63

Shipping Method: Fedex

Date/Time of Receipt: 3-1-18/1040

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	2.1	4		✓			
Red	0.1	13		✓			
Red	2.1	15		✓			

*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: SR

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

Coolers Unpacked/Checked by: BR Date: 3-1-18

NCRs (Y/N)? N

Event ID: CEW-DIST-2018-0301-02

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:

Six / Soldier / LWR / LW(w) / Gee / How / Bear

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: CEN-DIST

Requester: Michael Linger

Field Report Prepared By:

Mike Linger

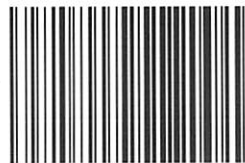
Project ID: SMP

Collected By:

Mike Linger / Lawrence Dorman

Sampling Agency:

FDEP CE-ROC

Location	WIN ID / Field ID →		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/28/18 Time 934	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)
Field ID	Howell Creek @ US of Lake Howell Ln (2997A)	G2CE0138		Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 5.06	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
WIN/STOP				Temp (C) 22.48	pH 6.88	Sample Depth 0.1	Sp. Conductance (umho/cm) 226
Latitude			☐ dd ☐ dms	Salinity (ppt)	Comments CD-FLR-ECQ sent to contract lab		
Location	WIN ID / Field ID →		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/28/18 Time 947	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID	Howell Creek @ 150m US of Lake Howell (2997A)	G2CE0072		Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 4.70	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
WIN/STOP				Temp (C) 22.08	pH 6.79	Sample Depth 0.3	Sp. Conductance (umho/cm) 228
Latitude			☐ dd ☐ dms	Salinity (ppt)	Comments CD-FLR-ECQ sent to contract lab		
Location	WIN ID / Field ID →		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/28/18 Time 1014	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID	Bear Crk just north of Winter Springs Blvd in Bear Crk Par (2999)	G2CE0069		Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 6.81	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
WIN/STOP				Temp (C) 20.84	pH 7.34	Sample Depth 0.3	Sp. Conductance (umho/cm) 316
Latitude			☐ dd ☐ dms	Salinity (ppt)	Comments CD-FLR-ECQ sent to contract lab		
Location	WIN ID / Field ID →		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/28/18 Time 1036	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID	Gee Creek @ SR Hwy 419 (2994A)	G2CE0075		Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 6.80	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
WIN/STOP				Temp (C) 20.38	pH 7.25	Sample Depth 0.3	Sp. Conductance (umho/cm) 297
Latitude			☐ dd ☐ dms	Salinity (ppt)	Comments CD-FLR-ECQ sent to contract lab		

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
MKL	2/28/18 1600	FedEx	3	SR	3-1-18/10:10

Group: A	Bottle Type: ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	P-1L	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	<u>2</u>
Group: A	Bottle Type: CD-FLR-ECQ	P-250ML-WI-THI	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	<u>2 sent to contract lab</u>
Group: A	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	<u>2</u>
Group: A	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 2	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	<u>2</u>
Group: A	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 2	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	<u>2</u>
Group: B	Bottle Type: CD-FLR-ECQ	P-250ML-WI-THI	# of Bottles: 3	Preservative: ICE	Enter Number of Bottles Sent to Lab	<u>3 sent to contract lab</u>
Group: C	Bottle Type: CD-FLR-ECQ	P-250ML-WI-THI	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab	<u>4 sent to contract lab</u>
Group: C	Bottle Type: PCR-FILTER	QPCR-P-250ML	# of Bottles: 8	Preservative: ICE	Enter Number of Bottles Sent to Lab	<u>8</u>
Group: C	Bottle Type: W-E8321-DI W-E8321-MS	BG-500ML	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab	<u>4</u>
Group: D	Bottle Type: CD-FLR-ECQ	P-250ML-WI-THI	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	<u>2 sent to contract lab</u>

Group: D	Bottle Type: QPCR-P-250ML PCR-FILTER PCR-HF183	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>4</u>
Group: D	Bottle Type: BG-500ML W-E8321-DI W-E8321-MS	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>2</u>
Group: E	Bottle Type: P-250ML-WI-THI CD-FLR-ECQ	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>2 sent to contract lab</u>
Group: E	Bottle Type: QPCR-P-250ML PCR-FILTER PCR-GULL2	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>4</u>
Group: E	Bottle Type: BG-500ML W-E8321-DI W-E8321-MS	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>2</u>

Six / Soldier / LWR / LW(w) / Gee / How / Bear

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: CEN-DIST

Requester: Michael Linger

Field Report Prepared By: Mike Linger

Project ID: SMP

Collected By: Mike Linger / Lawrence Oconnor

Sampling Agency: FDEP CE-ROC

Location	WIN ID / Field ID → Gee Creek @ Alton Rd (2994A)	G2CE0161	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/28/18 Time 1047	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)
Field				Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 6.96	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
WIN				Temp (C) 20.96	pH 7.15	Sample Depth 0.2	Sp. Conductance (umho/cm) 259
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments CD-FLR-ECQ sent to contract lab		
Location	WIN ID / Field ID → Soldier Creek @ just downstream of SR Hwy 419 (2986)	G2CE0162	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/28/18 Time 1111	Eastern Central	Composite end Date Time	Bottle Group(s)
Field				Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 7.43	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
WIN				Temp (C) 20.57	pH 7.54	Sample Depth 0.15	Sp. Conductance (umho/cm) 285
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments CD-FLR-ECQ sent to contract lab		
Location	WIN ID / Field ID → Soldier Creek @ 150m Upstream of SR Hwy 419 (2986)	G2CE0071	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/28/18 Time 1120	Eastern Central	Composite end Date Time	Bottle Group(s)
Field				Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 7.28	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
WIN				Temp (C) 21.07	pH 7.54	Sample Depth 0.15	Sp. Conductance (umho/cm) 285
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments CD-FLR-ECQ sent to contract lab		
Location	WIN ID / Field ID → Six Mile @ 400m US of Lake Jessup (2984)	G2CE0074	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/28/18 Time 1139	Eastern Central	Composite end Date Time	Bottle Group(s)
Field				Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 7.16	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
WIN				Temp (C) 21.23	pH 7.38	Sample Depth 0.15	Sp. Conductance (umho/cm) 476
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments CD-FLR-ECQ sent to contract lab		

Relinquished By: MKL	Date/Time 2/28/18 1600	Shipping Method Fed Ex	Number of Coolers Shipped: 3	Received By: SR	Date/Time 3-14-18/10110
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Group: A	Bottle Type:	P-1L	# of Bottles: 2	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:	P-250ML-WI-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	CD-FLR-ECQ					
Group: A	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	CHLSUITE-W					
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	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: 2	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab _____
	W-PO4-F					
Group: B	Bottle Type:	P-250ML-WI-THI	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	CD-FLR-ECQ					
Group: C	Bottle Type:	P-250ML-WI-THI	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	CD-FLR-ECQ					
Group: C	Bottle Type:	QPCR-P-250ML	# of Bottles: 8	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	PCR-FILTER					
Group: C	Bottle Type:	BG-500ML	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	W-E8321-DI					
	W-E8321-MS					
Group: D	Bottle Type:	P-250ML-WI-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	CD-FLR-ECQ					

Group: D	Bottle Type: QPCR-P-250ML	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab _____
	PCR-FILTER			
	PCR-HF183			
Group: D	Bottle Type: BG-500ML	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab _____
	W-E8321-DI			
	W-E8321-MS			
Group: E	Bottle Type: P-250ML-WI-THI	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab _____
	CD-FLR-ECQ			
Group: E	Bottle Type: QPCR-P-250ML	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab _____
	PCR-FILTER			
	PCR-GULL2			
Group: E	Bottle Type: BG-500ML	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab _____
	W-E8321-DI			
	W-E8321-MS			

Six / Soldier / LWR / LW(w) / Gee / How / Bear

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: CEN-DIST

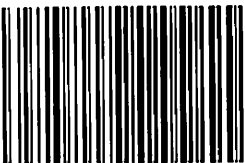
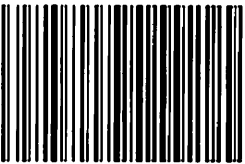
Requester: Michael Linger

Field Report Prepared By:

Project ID: SMP

Collected By: Mike Linger / Lawrence Drennan

Sampling Agency: FDEP CE-ROE

Location	WIN ID / Field ID →		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/28/18 Time 1149	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)
Field ID	Elder Springs Run @ US of Myrtle St (2984)	G2CE0120		Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 7.45	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
WIN/STI				Temp (C) 19.38	pH 7.41	Sample Depth 0.15	Sp. Conductance (umho/cm) 457
Latitude	☐ dd ☐ dms		☐ dd ☐ dms	Salinity (ppt)	Comments		
Location	WIN ID / Field ID →		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/28/18 Time 1332	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID	Little Wekiva (west) @ 150m East of Northwestern Ave (2987B)	G2CE0168		Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 3.11	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
WIN/STI				Temp (C) 23.57	pH 6.92	Sample Depth 0.12	Sp. Conductance (umho/cm) 241
Latitude	☐ dd ☐ dms		☐ dd ☐ dms	Salinity (ppt)	Comments		
Location			☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/28/18 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)
WIN/STORET #				Temp (C)	pH	Sample Depth	Sp. Conductance (umho/cm)
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (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)
WIN/STORET #				Temp (C)	pH	Sample Depth	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
MLL	2/28/18 1600	Fed Ex	3	SR	3-1-18/10:10

Group: A	Bottle Type:	P-1L	# of Bottles: 2	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:	P-250ML-WI-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	CD-FLR-ECQ					
Group: A	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	CHLSUITE-W					
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	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: 2	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab _____
	W-PO4-F					
Group: B	Bottle Type:	P-250ML-WI-THI	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	CD-FLR-ECQ					
Group: C	Bottle Type:	P-250ML-WI-THI	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	CD-FLR-ECQ					
Group: C	Bottle Type:	QPCR-P-250ML	# of Bottles: 8	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	PCR-FILTER					
Group: C	Bottle Type:	BG-500ML	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	W-E8321-DI					
	W-E8321-MS					
Group: D	Bottle Type:	P-250ML-WI-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	CD-FLR-ECQ					

Group: D	Bottle Type: QPCR-P-250ML PCR-FILTER PCR-HF183	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab _____
Group: D	Bottle Type: BG-500ML W-E8321-DI W-E8321-MS	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab _____
Group: E	Bottle Type: P-250ML-WI-THI CD-FLR-ECQ	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab _____
Group: E	Bottle Type: QPCR-P-250ML PCR-FILTER PCR-GULL2	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab _____
Group: E	Bottle Type: BG-500ML W-E8321-DI W-E8321-MS	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab _____



CONTRACT LAB - CHAIN OF CUSTODY

Client Name: Department of Environmental Protection
Address: 3319 Maguire Blvd Suite 232, Orlando, FL 32803
Project Manager: Natalie Ayala / Michael Linger / Kalina Warren
E-Mail: Michael.Linger@dep.state.fl.us
Telephone Number: (407) 897-4100

Project Name: SMP
Project Number: RQ-2018-02-26-63
Site Location: Seminole Co Run

Contract/PO # Flowers Lab - B16975

Sampler Names: Mike Linger / Mike Dreman Signature: Mike Linger

FIELD ID	Lab No. (Lab Use Only)	Date	Time Sampled	No. of Containers	Grab	Composite	Preservative				Matrix				Analyze For		
							ICE	HCL	HNO3	NONE	Groundwater	Wastewater	Drinking Water	Surface Water	Escherichia Coli (ECQ)	Enterococci (ENQ)	Fecal Coliform (FC)
G2CE0138		2/28/18	934	1	X		X							X	X		
G2CE0072		2/28/18	947	1	X		X							X	X		
G2CE0069		2/28/18	1014	1	X		X							X	X		
G2CE0075		2/28/18	1036	1	X		X							X	X		
G2CE0162		2/28/18	1111	1	X		X							X	X		
G2CE0071		2/28/18	1120	1	X		X							X	X		
G2CE0074		2/28/18	1139	1	X		X							X	X		
G2CE0120		2/28/18	1149	1	X		X							X	X		

Special Instructions:

Samples are ambient water and not suspected to contain chlorine

Relinquished by:	Date	Time	Received by:	Date	Time	Comments
<u>Mike Linger</u>	2/28/18	1405				Temp Upon Receipt:
Relinquished by:	Date	Time	Received by:	Date	Time	Sample Containers Intact?
						Y N



CONTRACT LAB - CHAIN OF CUSTODY

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Project Manager: Natalie Ayala / Michael Linger / Kalina Warren
E-Mail: Michael.Linger@dep.state.fl.us
Telephone Number: (407) 897-4100

Project Name: SMP

Project Number: RQ-2018-02-26-63

Site Location: Seminole Co Run

Contract/PO # Flowers Lab - B16975

Sampler Names: Mike Linger / Mike Drennan Signature: Dr. K. Lin

FIELD ID	Lab No. (Lab Use Only)	Date	Time Sampled	No. of Containers	Grab	Composite	Preservative				Matrix				Analyze For:		
							ICE	HCL	HNO3	NONE	Groundwater	Wastewater	Drinking Water	Surface Water	Escherichia Coli (ECQ)	Enterococci (ENQ)	Fecal Coliform (FC)
GZCE0161		2/28/18	1047	1	X		X							X	X		
GZCE 0087		2/28/18	1233	1	X		X							X	X		
GZCE0140		2/28/18	1256	1	X		X							X	X		
GZCE0174		2/28/18	1332	1	X		X							X	X		
GZCE 0099		2/28/18	1344	1	X		X							X	X		

Special Instructions:

Samples are ambient water and not suspected to contain chlorine

Relinquished by:	Date	Time	Received by:	Date	Time	Comments
<u>Dr. K. Lin</u>	2/28/18	1405				Temp Upon Receipt:
	Date	Time	Received by:	Date	Time	Sample Containers Intact?
						Y N

Date of Request: 08-FEB-2018
 Created By: LINGER_M On: 08-FEB-2018
 Modified By: SWANSON_C On: 13-FEB-2018
 Customer: CEN-DIST
 Project: SMP
 Division:
 District: Central District
 Sampling Event: Six / Soldier / LWR / LW(w) / Gee / How / Bear

Send Coolers To:

Phone: 407-897-4180
 FL Dept. of Environmental Protection
 3319 Maguire Blvd., Suite 232
 Orlando, FL 32803-3767
 Attn: Mike Linger

Program Module Number: 1306
 Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 12-FEB-2018
 Biology Request Reviewed By: SWANSON_C On: 13-FEB-2018
 Sampling Kit Required: YES Ship on: 16-FEB-2018
 Sampling Kit Shipped: YES On: 16-FEB-2018
 Sampling Kit Packed By: SEARSON_C
 Preservatives Needed: NO
 Date to Receive Samples: 26-FEB-2018
 Received By:

Send Final Report To:

FL Dept. of Environmental Protection
 3319 Maguire Blvd., Suite 232
 Orlando, FL 32803-3767
 Attn: Mike Linger

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

Comments: A: LW(w)1 / Bear
 B: LWR X2 / LW(w)2
 C: Gee X2 / Six X2
 D: Soldier X2
 E: Howell X2

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 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-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:	Number of Bottles: 2	Preserved With: ICE
CD-FLR-ECQ	Template: DEFAULT	(SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method by FlowersOverflow Laboratory for Central District
Bottle Type: BP-1L	Number of Bottles: 2	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: 2	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: 2	Preserved With: FILTER-ICE
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 3 Samples:

Bottle Type:	Number of Bottles: 3	Preserved With: ICE
CD-FLR-ECQ	Template: DEFAULT	(SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method by FlowersOverflow Laboratory for Central District

Bottle Group C (Water) With 4 Samples:

Bottle Type:	Number of Bottles: 4	Preserved With: ICE
CD-FLR-ECQ	Template: DEFAULT	(SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method by FlowersOverflow Laboratory for Central District
Bottle Type: QPCR-P-250ML	Number of Bottles: 8	Preserved With: ICE
PCR-FILTER	Template: DEFAULT	(SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis
Bottle Type: BG-500ML	Number of Bottles: 4	Preserved With: ICE
W-E8321-DI	Template: SUCRALOSE	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
W-E8321-MS	Template:	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Bottle Group D (Water) With 2 Samples:

Bottle Type:	Number of Bottles: 2	Preserved With: ICE
CD-FLR-ECQ	Template: DEFAULT	(SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method by FlowersOverflow Laboratory for Central District
Bottle Type: QPCR-P-250ML	Number of Bottles: 4	Preserved With: ICE
PCR-FILTER	Template: DEFAULT	(SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis
PCR-HF183	Template: DEFAULT	(SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction
Bottle Type: BG-500ML	Number of Bottles: 2	Preserved With: ICE
W-E8321-DI	Template: SUCRALOSE	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
W-E8321-MS	Template:	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Bottle Group E (Water) With 2 Samples:

Bottle Type:	Number of Bottles: 2	Preserved With: ICE
CD-FLR-ECQ	Template: DEFAULT	(SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method by FlowersOverflow Laboratory for Central District
Bottle Type: QPCR-P-250ML	Number of Bottles: 4	Preserved With: ICE
PCR-FILTER	Template: DEFAULT	(SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis
PCR-GULL2	Template: DEFAULT	(SOP-PCR-1.2) Detection and quantification of coastal bird specific Catellicoccus marimammalium Gull2 genetic marker with quantitative polymerase chain reaction
Bottle Type: BG-500ML	Number of Bottles: 2	Preserved With: ICE
W-E8321-DI	Template: SUCRALOSE	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
W-E8321-MS	Template:	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

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

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MIKE LINGER
FL DEP CENTRAL DISTRICT
3319 MAGUIRE BLVD STE 232
ORLANDO, FL 32803
UNITED STATES US

SHIP DATE: 16 FEB 18
ACTWGT: 10.00 LB
CAD: 100182098/NET3980

TO **AMZAD SHAIK**
FL DEP
FL DEP CHEMISTRY SECTION
2600 BLAIR STONE RD
TALLAHASSEE FL 32399

(850) 245-8085

REF:

DEPT:

INV:
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RMA:



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ORIGIN ID: ORLA (407) 894-7555
MIKE LINGER
FL DEP CENTRAL DISTRICT
3319 MAGUIRE BLVD STE 232

SHIP DATE: 16 FEB 18
ACTWGT: 10.00 LB
CAD: 1001820987NET3980

ORLANDO, FL 32803
UNITED STATES US

AMZAD SHAIK
FL DEP
FL DEP CHEMISTRY SECTION
2600 BLAIR STONE RD
TALLAHASSEE FL 32399

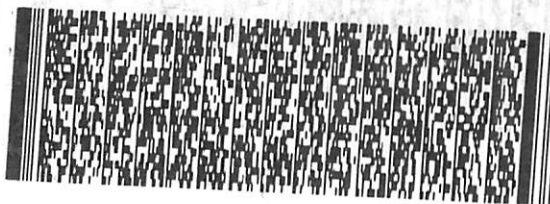
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MIKE LINGER
FL DEP CENTRAL DISTRICT
3319 MAGUIRE BLVD STE 232

ORLANDO, FL 32803
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ETD:
7/16

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FL DEP
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TALLAHASSEE FL 32399

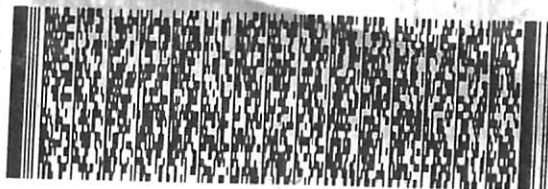
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