

Request Number: RQ-2017-03-13-46

Florida Department of Environmental Protection

Page 1 of 3

last revised Apr 7, 2016

Central Laboratory Submittal Form

Customer: CEN-DIST

Requester: Michael Linger

Field Report Prepared By: Terry Riordan

Project ID: SMP

Collected By: Terry Riordan / Leif Boman

Sampling Agency: 21 FL CEN

Location	RQ-2017-03-27-46 Grasshopper Lake South @ 325m SE of Boat Ramp Date: 03//28/2017 Time:	G2CE0070 Field ID ↑ STORET ↓ G2CE0070	☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>3-28-17</u> Time <u>1150</u>	<u>Eastern</u> Central	Composite end Date _____ Time _____	Bottle Group(s) (See pg 2) B	
Field ID			Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen <u>8.5</u> ☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
STORET #			Temp (C) <u>23.0</u>	pH <u>4.7</u>	Sample Depth <u>0.3</u> ☐ ft ☒ m	Sp. Conductance (umho/cm) <u>52</u>		
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) <u>0.0</u>	Comments			
Location	RQ-2017-03-27-46 Grasshopper Lake South @ 325m SE of Boat Ramp Date: 03//28/2017 Time:	G2CE0070 D Field ID ↑ STORET ↓ G2CE0070_D	☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>3-28-17</u> Time <u>1150</u>	<u>Eastern</u> Central	Composite end Date _____ Time _____	Bottle Group(s) (See pg 2) B	
Field ID			Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen <u>8.5</u> ☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
STORET #			Temp (C) <u>23.0</u>	pH <u>4.7</u>	Sample Depth <u>0.3</u> ☐ ft ☒ m	Sp. Conductance (umho/cm) <u>52</u>		
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) <u>0.0</u>	Comments			
Location	RQ-2017-03-27-46 FIELD BLANK Date: 03//28/2017	G2CE0070 Field ID ↑ STORET ↓ G2CE0070	☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>3-28-17</u> Time <u>1205</u>	<u>Eastern</u> Central	Composite end Date _____ Time _____	Bottle Group(s) (See pg 2) A	
Field ID			Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen <u>8.5</u> ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
STORET #			Temp (C)	pH	Sample Depth <u>0.3</u> ☐ ft ☐ m	Sp. Conductance (umho/cm)		
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments			
Location			☐ Comp ☐ Grab	Collection (comp begin or grab) Date _____ Time _____	<u>Eastern</u> Central	Composite end Date _____ Time _____	Bottle Group(s) (See pg 2)	
Field ID			Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen <u>8.5</u> ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
STORET #			Temp (C)	pH	Sample Depth <u>0.3</u> ☐ ft ☐ m	Sp. Conductance (umho/cm)		
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments			

Relinquished By: Terry Riordan

Date/Time

Shipping Method

Number of Coolers Shipped:

Received By: J. Riordan

Date/Time

3-28-17/1500

FedEx

1

3/29/17 10:10

Group: A	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>1</u>
	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	<u>1</u>
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	<u>1</u>
	W-ICP						
	W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	<u>1</u>
	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	<u>1</u>
	W-PO4-F						
Group: B	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>2</u>
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: B	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>2</u>
	CHLSUITE-W						

Group: B	Bottle Type:	P-500ML	# of Bottles: 2	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	<u>2</u>
	W-NH3					
	W-NO2NO3					
	W-S-A-TP					
	W-TKN					
	W-TOC					

Group: B	Bottle Type:	P-125ML	# of Bottles: 2	Preservative: ICE-FLTR	Enter Number of Bottles Sent to Lab	<u>2</u>
	W-PO4-F					

Date of Request: 23-FEB-2017
 Created By: LINGER_M On: 23-FEB-2017
 Modified By: MATTHEWS_D On: 28-FEB-2017
 Customer: CEN-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Central District
 Sampling Event: South Grasshopper Lk

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: 24-FEB-2017
 Biology Request Reviewed By: MATTHEWS_D On: 28-FEB-2017
 Sampling Kit Required: YES Ship on: 06-MAR-2017
 Sampling Kit Shipped: YES On: 03-MAR-2017
 Sampling Kit Packed By: REYNOLDS_T
 Preservatives Needed: NO
 Date to Receive Samples: 13-MAR-2017
 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: Blank
 B: Grasshopper & DUP

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-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, phaeophytin and ratio by spectrophotometry
Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: HNO ₃
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

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

Arsenic
Cadmium
Copper
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: 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 Group B (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 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: 2	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: 2	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: 2	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

RQ- 2017-03-29-46 ^{13 92}

Log-in Checklist

Shipping Method: Fed ExDate/Time of Receipt: 3/29/17 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	
RED	1.1°C	13		✓			

*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: JD

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

Coolers Unpacked/Checked by: JD Date: 3/29/17 NCRs (Y/N)?

Event ID: CEU-DIST-2017-03-29-02 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:

From: [Ayala, Natalie](#)
To: [Riordan, Terry](#); [Greenwood, Jhamieka](#)
Cc: [Linger, Michael](#)
Subject: RE: Two Different RQ Numbers
Date: Thursday, March 30, 2017 5:16:55 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)

Please keep the RQ as RQ-2017-03-13-46. Sorry about the confusion. Let me know if you need us to amend any forms to reflect this change.

Thanks,
Natalie

From: Riordan, Terry
Sent: Thursday, March 30, 2017 4:28 PM
To: Greenwood, Jhamieka <Jhamieka.Greenwood@dep.state.fl.us>
Cc: Linger, Michael <Michael.Linger@dep.state.fl.us>; Ayala, Natalie <Natalie.Ayala@dep.state.fl.us>
Subject: RE: Two Different RQ Numbers

Jhamieka,
Good afternoon. Sorry for the confusion, but to my understanding the 2017-03-27-46 is the correct RQ for this.
Project: SMP
WBID: 2921E
RQ: 2017-03-27-46
WQ: Kit A
SCI: No
HA/RPS/LVS: No
LVI: No
STATION: G2CE0070
DESC: Grasshopper Lake South @ 325M SE of Boat Ramp
Lat: 29.13379
Long: -81.61626

Thanks for checking. Have a good evening.

Terry Riordan

From: Greenwood, Jhamieka
Sent: Thursday, March 30, 2017 4:02 PM
To: Linger, Michael <Michael.Linger@dep.state.fl.us>; Riordan, Terry <Terry.Riordan@dep.state.fl.us>
Cc: Watts, John <John.Watts@dep.state.fl.us>
Subject: Two Different RQ Numbers

Hi,

I received and logged in a RQ that was changed in writing from RQ-2017-03-13-46 to RQ-2017-03-27-46. The cooler contained 13 samples of bottle groups A and B and the labels on the field sheet included a location of Grasshopper Lake. RQ-2017-03-13-46 has South Grasshopper Lake as the sampling event name and it has the matching amount of bottles samples and groups recorded on the RQ sheet. RQ-2017-03-27-46 has location Deep Creel / Spring Garden Lake and only bottle group A. I logged the samples in under RQ-2017-03-13-46. I just need to know if RQ-2017-03-27-46 was supposed to be the correct RQ number or if RQ-2017-03-13-46 was correct? I provided a picture of the field sheet and pictures of the RQ sheet with location and bottle group information for both RQ numbers. Please let me know if you have any questions.

South Grasshopper Lk

Customer: CEN-DIST

Project ID: SMP

Requester: Michael Linger

Field Report Prepared By: Terry R. Jordan

Collected By: Terry Riordan / Leif Boman

Sampling Agency: 21 FL CEN

Location	RQ-2017-03-27-46 Grasshopper Lake South @ 325m SE of Boat Ramp Date: 03/28/2017 Time:		G2CE0070  Field ID STORET  G2CE0070		☐ Comp ☒ Grab Collection (comp begin or grab) Date 3-28-17 Time 1150		Eastern Central	Composite end Date Time		Bottle Group(s) (See pg 2)
Field ID	325m SE of Boat Ramp		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 8.5		☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		B
STORET #	Time:		Temp (C) 23.0		pH 4.7		Sample Depth 0.3		☐ ft ☒ m Sp. Conductance (umho/cm) 52	
Latitude	☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt) 0.0		Comments	
Location	RQ-2017-03-27-46 Grasshopper Lake South @ 325m SE of Boat Ramp Date: 03/28/2017 Time:		G2CE0070 D  Field ID STORET  G2CE0070_D		☐ Comp ☒ Grab Collection (comp begin or grab) Date 3-28-17 Time 1150		Eastern Central	Composite end Date Time		Bottle Group(s)
Field ID	325m SE of Boat Ramp		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 8.5		☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		B
STORET #	Time:		Temp (C) 23.0		pH 4.7		Sample Depth 0.3		☐ ft ☒ m Sp. Conductance (umho/cm) 52	
Latitude	☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt) 0.0		Comments	
Location	RQ-2017-03-27-46		G2CE0070  Field ID STORET  G2CE0070		☐ Comp ☒ Grab Collection (comp begin or grab) Date 3-28-17 Time 1205		Eastern Central	Composite end Date Time		Bottle Group(s)
Field ID	FIELD BLANK		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		A
STORET #	Date: 03/28/2017		Temp (C)		pH		Sample Depth		☐ ft ☐ m Sp. Conductance (umho/cm)	
Latitude	☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt)		Comments	
Location	RQ-2017-03-27-46		G2CE0070  Field ID STORET  G2CE0070		☐ Comp ☒ Grab Collection (comp begin or grab) Date 3-28-17 Time 1205		Eastern Central	Composite end Date Time		Bottle Group(s)
Field ID	FIELD BLANK		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		A
STORET #	Date: 03/28/2017		Temp (C)		pH		Sample Depth		☐ ft ☐ m Sp. Conductance (umho/cm)	
Latitude	☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt)		Comments	

RQ-2017-03-13-46

Printed: 3/29/2017 12:01:58 PM

Page 1 of 2

Date of Request: 23-FEB-2017
Created By: LINGER_M_On: 23-FEB-2017
Modified By: MATTHEWS_D_On: 28-FEB-2017
Customer: CEN-DIST
Project: SMP
Division: Division of Environmental Assessment and Restoration
District: Central District
Sampling Event: South Grasshopper Lk

Send Coolers To:

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

Send Final Report To:

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:	
Chemistry Request Reviewed By:	WATTS, J On: 24-FEB-2017
Biology Request Reviewed By:	MATTHEWS, D On: 28-FEB-2017
Sampling Kit Required:	YES Ship on: 06-MAR-2017
Sampling Kit Shipped:	YES On: 03-MAR-2017
Sampling Kit Packed By:	REYNOLDS, T
Preservatives Needed:	NO
Date to Receive Samples:	13-MAR-2017
Received By:	

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

Comments:

A: Blank
B: Grasshopper & DUP

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-CLIC	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
CHL.SUITE-W	Template: DEFAULT	(SM 10200 H (mod. j)) Phytoplankton chlorophyll-a corrected, uncorrected, pheophytin and ratio by spectrophotometry
Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: HNO ₃
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 200.7 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

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

Arsenic
Cadmium
Copper
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: 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 Group B (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 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 D-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: 2 Preserved With: ICE
CHL-SUITE-W Template: DEFAULT (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, pheophytin and ratio by spectrophotometry

Bottle Type: P-500ML Number of Bottles: 2 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: 2 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

RQ-2017-03-27-46

Printed: 3/29/2017 10:28:15 AM

Page 1 of 1

Date of Request: 09-MAR-2017
Created By: LINGER_M On: 09-MAR-2017
Modified By: MATTHEWS_D On: 14-MAR-2017
Customer: CEN-DIST
Project: SMP
Division:
District: Central District
Sampling Event: Deep Creel / Spring Garden Lake

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: 10-MAR-2017
Biology Request Reviewed By: MATTHEWS_D On: 14-MAR-2017
Sampling Kit Required: YES Ship on: 16-MAR-2017
Sampling Kit Shipped: YES On: 15-MAR-2017
Sampling Kit Packed By: KITCHEN_S
Preservatives Needed: NO
Date to Receive Samples: 27-MAR-2017
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:

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 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 D-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: 2 Preserved With: ICE
CHL-SUITE-W Template: DEFAULT (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, pheophytin and ratio by spectrophotometry

Bottle Type: P-500ML Number of Bottles: 2 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: 2 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

Thanks,

Jhamieka S. Greenwood

Florida DEP Labs
Laboratory Tech IV
Scientific Support
Voice: (850) 245-8153
Direct: 58153
Jhamieka.Greenwood@dep.state.fl.us

01000

FedEx
ExpressPackage
US AirbillFedEx
Tracking
Number

8111 7111 3751

Form
ID No.

0215

Recipient's Copy

1 From

Date 3-28-17

Sender's
Name

Terry Riordan

Phone

407 897-4100

Company

FDEP

Address

3319 Maguire Blvd St. 232

Dept./Floor/Suite/Room

City

Orlando

State

FL

ZIP

32803

2 Your Internal Billing Reference

3 To

Recipient's
Name

Phone

850 245-8085

Company

FLORIDA DEP/CHEMISTRY SECTION

Address

2600 BLAIRSTONE RD

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City

TALLAHASSEE

State

FL

ZIP

32397-6542

Hold Weekday

FedEx location address
REQUIRED. NOT available for
FedEx First Overnight.

Hold Saturday

FedEx location address
REQUIRED. Available ONLY for
FedEx Priority Overnight and
FedEx 2Day to select locations.

8111 7111 3751

4 Express Package Service

*To most locations.

Packages up to 150 lbs.
For packages over 150 lbs., use the
FedEx Express Freight US Airbill.

Next Business Day

☐ FedEx First Overnight
Earliest next business morning delivery to select
locations. Friday shipments will be delivered on
Monday unless Saturday Delivery is selected.☒ FedEx Priority Overnight
Next business morning.* Friday shipments will be
delivered on Monday unless Saturday Delivery
is selected.☐ FedEx Standard Overnight
Next business afternoon.*
Saturday Delivery NOT available.

2 or 3 Business Days

☐ FedEx 2Day A.M.
Second business morning.*
Saturday Delivery NOT available.☐ FedEx 2Day
Second business afternoon.* Thursday shipments
will be delivered on Monday unless Saturday
Delivery is selected.☐ FedEx Express Saver
Third business day.*
Saturday Delivery NOT available.

5 Packaging

*Declared value limit \$500.

☐ FedEx Envelope*☐ FedEx Pak*☐ FedEx
Box☐ FedEx
Tube☒ Other

6 Special Handling and Delivery Signature Options

Fees may apply. See the FedEx Service Guide.

☐ Saturday Delivery

NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☐ No Signature RequiredPackage may be left without
obtaining a signature for delivery.☐ Direct SignatureSomeone at recipient's address
may sign for delivery.☐ Indirect SignatureIf no one is available at recipient's
address, someone at a neighboring
address may sign for delivery. For
residential deliveries only.

Does this shipment contain dangerous goods?

One box must be checked.

☒ No☐ YesAs per attached
Shipper's Declaration.☐ YesShipper's Declaration
not required.☐ Dry Ice

Dry Ice, 9, UN 1845 _____ x _____ kg

☐ Cargo Aircraft Only

Restrictions apply for dangerous goods — see the current FedEx Service Guide.

7 Payment Bill to:

Enter FedEx Acct. No. or Credit Card No. below.

Obtain recip.
Acct. No. ☐☐ Sender
Acct. No. in Section
I will be billed.☒ Recipient☐ Third Party☐ Credit Card☐ Cash/Check

Total Packages

Total Weight

1

50

lbs.

Credit Card Auth.

*Our liability is limited to US\$100 unless you declare a higher value. See the current FedEx Service Guide for details.

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