

SMP - Fort Drum Creek(2)/Taylor Creek(1)

Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: SE-DIST

Requester: Jordan Skaggs

Field Report Prepared By:

Project ID: SMP

Collected By:

Sampling Agency:

Location	Fort Drum Creek @ 441 South	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 10/19/16 Time 1040	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)
Field ID	G3SE0013	Matrix (type, e.g., Salt, Fresh, etc)	fresh	Diss. Oxygen	5.9 mg/L % sat	Total Res. Chlorine (mg/L)
STORET #	G3SE0013	Temp (C)	22.8	pH	6.4	Sample Depth 0.3 ft m
Latitude	27.512614	Longitude	-80.807828	Salinity (ppt)	0.07	Comments
Location	Fort Drum Creek @ 304th St	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 10/19/16 Time 1050	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID	G3SE0012	Matrix (type, e.g., Salt, Fresh, etc)	fresh	Diss. Oxygen	4.8 mg/L % sat	Total Res. Chlorine (mg/L)
STORET #	G3SE0012	Temp (C)	22.7	pH	6.4	Sample Depth 0.3 ft m
Latitude	27.522926	Longitude	-80.798	Salinity (ppt)	0.06	Comments
Location	IRL South of SR 60	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 10/19/16 Time 1215	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID	G5SE0051	Matrix (type, e.g., Salt, Fresh, etc)	salt	Diss. Oxygen	4.6 mg/L % sat	Total Res. Chlorine (mg/L)
STORET #	G5SE0051	Temp (C)	26.0	pH	7.3	Sample Depth 0.3 ft m
Latitude	27.650491	Longitude	-80.373466	Salinity (ppt)	19.7	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
Latitude		Longitude		Salinity (ppt)		Comments

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
				ATB	10-2016/10-14

Group:	Bottle Type:	# of Bottles:	Preservative:	Enter Number of Bottles Sent to Lab
A	P-1L	3	ICE	3
ALKALINITY				
TURBIDITY				
W-CL-IC				
W-COLOR				
W-F				
W-SO4-IC				
W-TDS				
W-TSS				
A	BP-1L	3	ICE	3
CHLSUITE-W				
A	P-500ML	3	HNO3	3
W-ICP				
W-ICPMS				
A	P-500ML	3	ICE And H2SO4	3
W-NH3				
W-NO2NO3				
W-S-A-TP				
W-TKN				
W-TOC				
A	P-125ML	3	ICE-FLTR	3
W-PO4-F				

Date of Request: 07-SEP-2016
 Created By: SKAGGS_J On: 07-SEP-2016
 Modified By: MATTHEWS_D On: 08-SEP-2016
 Customer: SE-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Southeast District
 Sampling Event: SMP - Fort Drum Creek(2)/Taylor Creek(1)

Send Coolers To:

Phone: (772) 579-3039
 FL Dept. of Environmental Protection
 2199 South Rock Road
 Fort Pierce, FL 34945
 Attn: Jordan Skaggs

Program Module Number: 1306
 Priority: 3
 Event Status: R
 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: 29-SEP-2016
 Received By: SHAIK_A On: 20-OCT-2016

Send Final Report To:

FL Dept. of Environmental Protection
 2199 South Rock Road
 Fort Pierce, FL 34945
 Attn: Jordan Skaggs

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

Comments:**Bottle Group A (Water) With 3 Samples:**

Bottle Type: P-1L	Number of Bottles: 3	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: 3	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: 3	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		
Iron		
Magnesium		
Nickel		
Potassium		
Sodium		
Zinc		
W-ICPMS	Template: PRTY	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects
Arsenic		
Cadmium		
Chromium		
Copper		

Bottle Group A (Water) With 3 Samples:

Bottle Type: P-500ML	Number of Bottles: 3	Preserved With: HNO3
W-ICPMS	Template: PRTY	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Lead

Silver

Bottle Type: P-500ML	Number of Bottles: 3	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: 3	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- 2016-09-26-28

Shipping Method: Fed Ex

Date/Time of Receipt: 10-20-16 11:14

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	Yes	No		
Red	2-8C	15		✓			8100 1917 6075

*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: ARS

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

Coolers Unpacked/Checked by: ARS Date: 10-20-16 NCRs (Y/N)?

Event ID: SMP - Fort Drum Creek(2)/Taylor Cr NCR #
SE-DIST-2016-10-20-01 (SMP)

Date Received: 20-OCT-2016 10:14

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: [Watts, John](#)
To: [Lurding, Kathleen](#)
Subject: FW: Event SE-DIST-2016-10-20-01 Ft. Drum Creek
Date: Wednesday, December 21, 2016 2:06:31 PM

From: Watts, John
Sent: Wednesday, December 14, 2016 4:33 PM
To: Skaggs, Jordan <Jordan.Skaggs@dep.state.fl.us>
Cc: Warren, Kalina <Kalina.Warren@dep.state.fl.us>; White, Ramsey <Ramsey.White@dep.state.fl.us>
Subject: RE: Event SE-DIST-2016-10-20-01 Ft. Drum Creek

Thanks Jordan. I hate to cancel samples. Appreciate your understanding.

John Watts
Florida DEP Labs
Scientific Support Section
Voice: 850-245-8077
Direct: 58077

From: Skaggs, Jordan
Sent: Wednesday, December 14, 2016 4:10 PM
To: Watts, John <John.Watts@dep.state.fl.us>
Cc: Warren, Kalina <Kalina.Warren@dep.state.fl.us>; White, Ramsey <Ramsey.White@dep.state.fl.us>
Subject: RE: Event SE-DIST-2016-10-20-01 Ft. Drum Creek

Thanks John,

We will look this over and coordinate with SMP project managers.

Have an awesome day,

Jordan Skaggs

From: Watts, John
Sent: Wednesday, December 14, 2016 4:03 PM
To: Skaggs, Jordan <Jordan.Skaggs@dep.state.fl.us>
Cc: Warren, Kalina <Kalina.Warren@dep.state.fl.us>; White, Ramsey <Ramsey.White@dep.state.fl.us>
Subject: Event SE-DIST-2016-10-20-01 Ft. Drum Creek

Jordan:

I wanted to let you know that a sample that was submitted with this event became lost during

the process of it being analyzed. I will be cancelling that sampleID. This was submitted back with Tom Wippick was around.

RQ-2016-09-26-28

SE-DIST-2016-10-20-01

Ft Drum Creek

G5SE0051

1842452 (preserved nutrients bottle)

The bottle was for NH₃, TKN, NO₂-NO₃, TOC, TP

There are results for NH₃ and TOC. See attached pdf. There are no results for TKN, NO₂-NO₃ and TP. We scoured the labs for weeks. But it has been deemed lost and we will cancel it. I apologize for this, especially since it does have some results.

Let me know if you have any follow-up comments.

John Watts

Florida DEP Labs

Scientific Support Section

Voice: 850-245-8077

Direct: 58077