

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Gap Creek Ref. Stream

last revised Apr 7, 2016

Customer: SW-DIST

Requester: Judy Ashton

Field Report Prepared By:

JUDY ASHTON

Project ID: SCIREF

Collected By:

JUDY ASHTON, ASHLEY SALMONSON

Sampling Agency:

FDEP

Location GAP CREEK REF. SITE		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 6-2-16 Time 12:00		Eastern Central		Composite end Date Time		Bottle Group(s) (See pg 2)	
Field ID TP108		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 4.2		☒ mg/L ☒ % sat		Total Res. Chlorine (mg/L)		A/B/D	
STORET # 24010070		Temp (C) 27.7		pH 7.0		Sample Depth 0.3		Sp. Conductance (umho/cm) 891			
Latitude		dd		Salinity (ppt) 0.43		Comments ALLAL ID's BANK 3, 4, 5 + 6					
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		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)			
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)			
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)			
STORET #		Temp (C)		pH		Sample Depth		Sp. Conductance (umho/cm)			
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt)		Comments	

Relinquished By: JUDY ASHTON	Date/Time 6/2/16 5:00	Shipping Method FED EX	Number of Coolers Shipped: 1	Received By: a	Date/Time 6/3/16 10:30
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Group: A	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	ALKALINITY						
	TURBIDITY						
	W-BR-IC						
	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:	QPCR-P-250ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	PCR-HF183						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	1
	W-ICP						
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:	BG-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	W-SUC-AA-R						
	W-UHB-AA-R						
Group: B	Bottle Type:	PJ-2L	# of Bottles: 4	Preservative:	Formalin	Enter Number of Bottles Sent to Lab	0
	MI-FW-QLDC						
Group: C	Bottle Type:	P-120ML-WC-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
	SWD-AEL-FC						
	DROPPED AT DALL						

GROUP D - 4- 50ML BOTTLES ALGAL PLANKS 3, 4, 5 + 6



0601 Southport Pkwy. • Jacksonville, FL 32216 • 904.363.9350 • Fax 904.363.9354 • E82574
 9610 Princess Palm Ave. • Tampa, FL 33619 • 813.630.9618 • Fax 813.630.4327 • E84589
 2108 NW 67th Place, Ste. 7 • Gainesville, FL 32606 • 352.387.1500 • Fax 352.387.0669 • E82620
 528 S. North Lake Blvd., Ste. 1018 • Altamonte Springs, FL 32701 • 407.937.1594 • Fax 407.937.1597 • E53070

LAB NUMBER:

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11607543

CLIENT NAME		FDEP - SW District	PROJECT NAME		TMDL / SMP	BOTTLE SIZE & TYPE	Sterile Plastic Bottle								L A B N U M B E R
ADDRESS:		13051 N. Telecom Pkwy	P.O. NUMBER/PROJECT NUMBER:	Gap Creek Ref TP108		A R									
		Temple Terrace, FL 33637	PROJECT LOCATION:	Florida		N E									
PHONE:		813-470-5700	FAX:	813-470-5996		A Q									
CONTACT:		Matthew Bearden Sarah Ernst	SAMPLED BY:	Judy Ashton, Ashley Salmeron		L U									
TURN AROUND TIME:			REMARKS/SPECIAL INSTRUCTIONS:			Y I									
STANDARD			RQ-2010-05-30-43			S R									
RUSH						I E									
						S D									
Samples are ambient water and not suspected to contain chlorine															
WW=waste water	SW=surface water	GW=ground water	DW=drinking water	Cool	A-se	SO=soil	SL=sediment								
Field ID	SITE NAME	Grab Comp	SAMPLING		MATRIX	NO COUNT	Preserv	Ice, T							
			DATE	TIME											
RQ-2016-05-30-43 Date: 06/02/16 Time:	GAP CREEK REF. SITE TP108 24910070	Grab	06/02/16	1200	SW	2		✓							a)
		Grab			SW										
		Grab			SW										
		Grab			SW										
		Grab			SW										
		Grab			SW										
		Grab			SW										

I-Ice		H-(HCl)	S-(H ₂ SO ₄)	N-(HNO ₃)	T-(Sodium Thiosulfate)	Sample Kit	Cooler #	Relinquish by:	Date	Time	Received by:	Date	Time	
Shipment	Out:	Via:	Method	RB	D/T	AB	D/T	1	ASG/mexen	6/2/16	1345	[Signature]	6/2/16	1345
Ref:	Via:	Trip BL						2						
								3						
								4						

revised 1/12

Date of Request: 12-MAY-2016
 Created By: ASHTON_J On: 12-MAY-2016
 Modified By: WATTS_J On: 13-MAY-2016
 Customer: SW-DIST
 Project: SCIREF
 Division: Division of Environmental Assessment and Restoration
 District: Southwest District
 Sampling Event: Gap Creek Ref. Stream

Send Coolers To:

Phone: 813-470-5951
 FL Dept. of Environmental Protection
 13051 N. Telecom Parkway
 Temple Terrace, FL 33637-0926
 Attn: Matthew Bearden

Program Module Number:

Priority: 3

Event Status: S

Criminal Investigation: NO

Chemistry Request Reviewed By: WATTS_J On: 13-MAY-2016

Biology Request Reviewed By: MATTHEWS_D On: 13-MAY-2016

Sampling Kit Required: YES Ship on: 23-MAY-2016

Sampling Kit Shipped: YES On: 20-MAY-2016

Sampling Kit Packed By: SHAIK_A

Preservatives Needed: NO

Date to Receive Samples: 02-JUN-2016

Received By:

Send Final Report To:

FL Dept. of Environmental Protection
 13051 N. Telecom Parkway
 Temple Terrace, FL 33637-0926
 Attn: matthew.bearden@dep.state.fl.us

Report Type: Final Only

FTP Data: NO

QC Report: YES

Date Log: NO

Authorization Log: NO

Comments: PCR-HF183 to Bottle Group A - added

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 CaCO3/L
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-BR-IC	Template: DEFAULT	(EPA 300.0) Bromide 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: QPCR-P-250ML	Number of Bottles: 2	Preserved With: ICE
PCR-HF183	Template: DEFAULT	(SOP-PCR01) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction
Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: HNO3
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		
Magnesium		
Potassium		
Sodium		
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

Bottle Group A (Water) With 1 Samples:

Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: ICE And H2SO4
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: BG-1L	Number of Bottles: 1	Preserved With: ICE
W-SUC-AA-R	Template: DEFAULT	(EPA 8321B) Analysis of sucralose in water matrices by HPLC/MS/MS
W-UHB-AA-R	Template: DEFAULT	(EPA 8321B) Urea herbicides and other chemicals in water matrices by HPLC/MS/MS

Bottle Group B (Biological) With 2 Samples:

Bottle Type: PJ-2L	Number of Bottles: 4	Preserved With: Formalin
MI-FW-QLDC	Template: DEFAULT	(SOP-IZ06) No. Taxa of FW macroinverts, qual samp, 20 dipnets.

Bottle Group C (Water) With 2 Samples:

Bottle Type:	Number of Bottles: 2	Preserved With: ICE
SWD-AEL-FC	Template: DEFAULT	(SM 9222 D) Fecal coliforms by membrane filter method by Advanced Environmental Overflow Laboratories for SWD

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

Log-in Checklist

RQ- 2016-05-30-43

Shipping Method: Fedex

Date/Time of Receipt: 6/3/16 10:30

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	3.0	11		✓			8099 4719 8298

*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: u

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

Coolers Unpacked/Checked by: u Date: 6/3/16 NCRs (Y/N)? N

Event ID: SW-DEPT-2016-06-03-01 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: