

Project Title: Alva

Location Code: CYPRESSGR

Location Coordinates: N26.726014, W-81.627003

Location Description: Cypress Creek @ SR78; upstream side

Sample Collection Time: 10:51

Lab ID# AD51455

Sample Collectors: Liza Rollins & Patrick Daughy

Date: 8/31/2017

*Nitric Acid added upon return to Lab

**Pre-Preserved with Sodium Thiosulfate by Thermo Scientific

6	Temp (°C)	SpCond (µS/cm)	D.O. (%)	D.O. (mg/L)	pH	Velocity (ft/s)	DFTOSTWS (ft)	Sample Depth (m)	Total Depth (m)
Field Parameters	28.07	159	59.80	4.67	7.11	0.960	6.74	0.50	2.00
Qualifiers									

SAMP = Regular Sample
FB = Field Blank
FCEB = Field Cleaned
Equipment Blank
SWF = Surface Water Fresh
PP = Polypropylene
PE = Polyethylene
CG = Clear Glass
G = Grab
GV = Grab Van Dorn

Bottles	Number	Size	Material	Pre-Preserved	Lab ID#
@CHLORO	1	1L	PE	N/A	AD51455
@NP	1	1L	PE	N/A	AD51455
@NPFIL	1	250mL	PE	N/A	AD51455
@H2SO4	1	250mL	PE	No	AD51455
@HNO3	1	250mL	PE	No*	AD51455
@BACT	2	100mL	PP	Yes**	AD51455

Flow Calculation (if Applicable):

Flow (ft³/s):

Flow MDL:

Flow Qualifier:

Collection Method: G

Sample Type: SAMP

Sample Matrix: SWF

Equipment Used

YSI Data Logger/Sonde # G

Calibrated: 8/29/2017 (see Field Equipment Calibration Log)

Opaque Horizontal Van Dorn # (if applicable)

Velocity Meter ID# 3, B

Distance Measuring Tool ID# 4994

0.45µm Filter, 47mm PP Filter Holder, & 60mL Syringe

Filter Lot # R6PA37157 Exp Date: 3/8/2020

30mL FEP Drop Bottle w/Sulfuric Acid (see preservatives)

0.0-3.0 pH Test Paper for pH Verification

Containers of Analyte Free Water for Rinsing and Blank

- ☒ DFTOSTWS taken from middle of structure
- ☒ Samples submerged in ice within 15min.
- ☒ Samples preserved with Sulfuric Acid acidified in field within 15min.
- ☒ Filtered sample filtered on site
- ☒ Equipment & Bottles cleaned according to DEP
FC1000 and LCEL Field Sampling Quality Manual
- ☐ Velocity not detectable and/or is lower than MDL
- ☐ Acidified samples pH verified in field (quarterly)
Quarterly Months: January, April, July, October
- ☐ @NP bottle used to fill all other bottles.

Preservatives:	Lot #	Exp. Date
H ₂ SO ₄	3114100	11/13/2017
HNO ₃ *	1115041	4/29/2017
Na ₂ S ₂ O ₃	170129	6/30/2030

Misc:

Signature of Sample Collector(s) and Date:

8/31/2017

8/31/2017

Project Title: Alva
Location Code: 29-8GR
Location Coordinates: N26.730658, W-81.701564
Location Description: Telegraph Creek @ SR78; upstream side

Sample Collection Time: 11:17

Lab ID# AD51457

Sample Collectors: Liza Rollins & Patrick Daughy

Date: 8/31/2017

*Nitric Acid added upon return to Lab

**Pre-Preserved with Sodium Thiosulfate by Thermo Scientific

8	Temp (°C)	SpCond (µS/cm)	D.O. (%)	D.O. (mg/L)	pH	Velocity (ft/s)	DFTOSTWS (ft)	Sample Depth (m)	Total Depth (m)
Field Parameters	28.02	161	59.20	4.63	6.86	1.501	11.02	0.50	1.90
Qualifiers									

SAMP = Regular Sample
FB = Field Blank
FCEB = Field Cleaned
Equipment Blank
SWF = Surface Water Fresh
PP = Polypropylene
PE = Polyethylene
CG = Clear Glass
G = Grab
GV = Grab Van Dorn

Bottles	Number	Size	Material	Pre-Preserved	Lab ID#
@CHLORO	1	1L	PE	N/A	AD51457
@NP	1	1L	PE	N/A	AD51457
@NPFIL	1	250mL	PE	N/A	AD51457
@H2SO4	1	250mL	PE	No	AD51457
@HNO3	1	250mL	PE	No*	AD51457
@BACT	2	100mL	PP	Yes**	AD51457

Flow Calculation (if Applicable):

Flow (ft³/s):

Flow MDL:

Flow Qualifier:

Collection Method: G

Sample Type: SAMP

Sample Matrix: SWF

Equipment Used

YSI Data Logger/Sonde # G

Calibrated 8/29/2017 (see Field Equipment Calibration Log)

Opaque Horizontal Van Dorn # (if applicable)

Velocity Meter ID# 3, B

Distance Measuring Tool ID# 4994

0.45µm Filter, 47mm PP Filter Holder, & 60ml. Syringe

Filter Lot # R6PA37157 Exp Date: 3/8/2020

30mL FEP Drop Bottle w/Sulfuric Acid (see preservatives)

0.0-3.0 pH Test Paper for pH Verification

Containers of Analyte Free Water for Rinsing and Blank

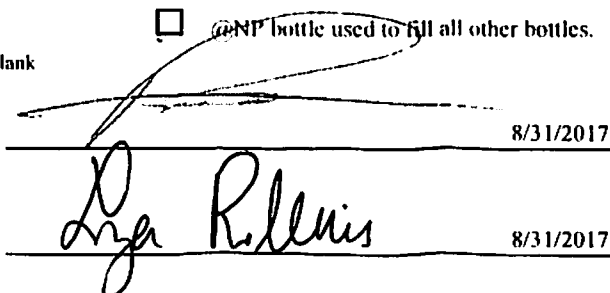
- ☒ DFTOSTWS taken from middle of bridge
☒ Samples submerged in ice within 15min.
☒ Samples preserved with Sulfuric Acid acidified in field within 15min.
☒ Filtered sample filtered on site
☒ Equipment & Bottles cleaned according to DEP
FC1000 and LCEL Field Sampling Quality Manual
☐ Velocity not detectable and/or is lower than MDL
☐ Acidified samples pH verified in field (quarterly)
Quarterly Months January, April, July, October
☐ @NP bottle used to fill all other bottles.

Preservatives:	Lot #	Exp. Date
H ₂ SO ₄	3114100	11/13/2017
HNO ₃ *	1115041	4/29/2017
Na ₂ S ₂ O ₃	170129	6/30/2030

Misc: _____

Signature of Sample Collector(s) and Date:

8/31/2017


Liza Rollins
8/31/2017

Project Title: Alva
 Location Code: 27-6GR
 Location Coordinates: N26.740151, W-81.736947
 Location Description: Trout Creek @ SR78; upstream side

Sample Collection Time: 11:51

Lab ID# AD51459

Sample Collectors: Liza Rollins & Patrick Daughy

Date: 8/31/2017

*Nitric Acid added upon return to Lab

**Pre-Preserved with Sodium Thiosulfate by Thermo Scientific

ID	Temp (°C)	SpCond (µS/cm)	D.O. (%)	D.O. (mg/L)	pH	Velocity (ft/s)	DFTOSTWS (ft)	Sample Depth (m)	Total Depth (m)
Field Parameters	29.03	147	52.60	4.04	6.96	1.269	4.42	0.50	2.00
Qualifiers									

SAMP = Regular Sample
 FB = Field Blank
 FCEB = Field Cleaned
 Equipment Blank
 SWF = Surface Water Fresh
 PP = Polypropylene
 PE = Polyethylene
 CG = Clear Glass
 G = Grab
 GV = Grab Van Dorn

Bottles	Number	Size	Material	Pre-Preserved	Lab ID#
@CHLORO	1	1L	PE	N/A	AD51459
@NP	1	1L	PE	N/A	AD51459
@NPFIL	1	250mL	PE	N/A	AD51459
@H2SO4	1	250mL	PE	No	AD51459
@HNO3	1	250mL	PE	No*	AD51459
@BACT	2	100mL	PP	Yes**	AD51459

Flow Calculation (if Applicable):

Flow (ft³/s):

Flow MDL:

Flow Qualifier:

Collection Method: G

Sample Type: SAMP

Sample Matrix: SWF

Equipment Used

YSI Data Logger/Sonde # G

Calibrated 8/29/2017 (see Field Equipment Calibration Log)

Opaque Horizontal Van Dorn # (if applicable)

Velocity Meter ID# 3, B

Distance Measuring Tool ID# 4994

0.45µm Filter, 47mm PP Filter Holder, & 60ml. Syringe

Filter Lot # R6PA17157 Exp Date: 3/8/2020

30mL. FEP Drop Bottle w/Sulfuric Acid (see preservatives)

0.0-3.0 pH Test Paper for pH Verification

Containers of Analyte Free Water for Rinsing and Blank

- ☒ DFTOSTWS taken from middle of structure
- ☒ Samples submerged in ice within 15min.
- ☒ Samples preserved with Sulfuric Acid acidified in field within 15min.
- ☒ Filtered sample filtered on site
- ☒ Equipment & Bottles cleaned according to DEP
FC1000 and LCEL Field Sampling Quality Manual
- ☐ Velocity not detectable and/or is lower than MDL
- ☐ Acidified samples pH verified in field (quarterly)
Quarterly Months: January, April, July, October
- ☐ @NP bottle used to fill all other bottles.

Preservatives:	Lot #	Exp. Date
H ₂ SO ₄	3114100	11/13/2017
HNO ₃ *	1115041	4/29/2017
Na ₂ S ₂ O ₃	170129	6/30/2030

Misc: _____

Signature of Sample Collector(s) and Date:

8/31/2017

8/31/2017

Project Title: Alva
Location Code: 270-GR20
Location Coordinates: N26.740289, W-81.755697
Location Description: Owl Creek @ SR78; upstream side

Sample Collection Time: 12:00

Lab ID# AD51460

Sample Collectors: Liza Rollins & Patrick Daughy

Date: 8/31/2017

Bottles	Number	Size	Material	Pre-Preserved	Lab ID#
@CHLORO	1	1L	PE	N/A	AD51460
@NP	1	1L	PE	N/A	AD51460
@NPFIL	1	250mL	PE	N/A	AD51460
@H2SO4	1	250mL	PE	No	AD51460
@HNO3	1	250mL	PE	No*	AD51460
@BACT	2	100mL	PP	Yes**	AD51460

*Nitric Acid added upon return to Lab								**Pre-Preserved with Sodium Thiosulfate by Thermo Scientific			
11	Temp (°C)	SpCond (µS/cm)	D.O. (%)	D.O. (mg/L)	pH	Velocity (ft/s)	DFTOSTWS (ft)	Sample Depth (m)	Total Depth (m)	SAMP - Regular Sample	PP - Polypropylene
Field Parameters	29.43	197	62.30	4.76	7.07	0.876	7.24	0.50	1.00	FB - Field Blank	PE - Polyethylene
Qualifiers										FCEB - Field Cleaned	CG - Clear Glass
										Equipment Blank	G - Grab
										SWF - Surface Water Fresh	GV - Grab Van Dorn

Flow Calculation (if Applicable):

Flow (ft³/s):

Flow MDL:

Flow Qualifier:

Collection Method: G

Sample Type: SAMP

Sample Matrix: SWF

Equipment Used

YSI Data Logger/Sonde # G

Calibrated 8/29/2017 (see Field Equipment Calibration Log)

Opaque Horizontal Van Dorn # (if applicable)

Velocity Meter ID# 3, B

Distance Measuring Tool ID# 4994

0.45µm Filter, 47mm PP Filter Holder, & 60mL Syringe

Filter Lot # R6PA17157 Exp Date: 3/8/2020

30mL FEP Drop Bottle w/Sulfuric Acid (see preservatives)

0.0-3.0 pH Test Paper for pH Verification

Containers of Analyte Free Water for Rinsing and Blank

- ☒ DFTOSTWS taken from middle of structure
☒ Samples submerged in ice within 15min.
☒ Samples preserved with Sulfuric Acid acidified in field within 15min.

- ☒ Filtered sample filtered on site
☒ Equipment & Bottles cleaned according to DEP
FC1000 and LCEL Field Sampling Quality Manual

☐ Velocity not detectable and/or is lower than MDL

☐ Acidified samples pH verified in field (quarterly)

Quarterly Months: January, April, July, October

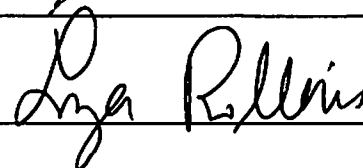
☐ @NP bottle used to fill all other bottles.

Preservatives:	Lot #	Exp. Date
H ₂ SO ₄	3114100	11/13/2017
HNO ₃ *	1115041	4/29/2017
Na ₂ S ₂ O ₃	170129	6/30/2030

Misc: _____

Signature of Sample Collector(s) and Date:

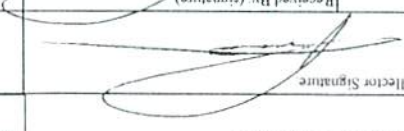
8/31/2017



8/31/2017

**Analysis Request
&
Chain of Custody Record**

LCEL does not accept any samples used for evidentiary purposes

Report/Result Information Name: DNRM Address: 1500 Monroe St Ft. Myers, FL 33901 Phone/Fax/Cell: 239-533-8109		Billing/Invoice Information Name: DNRM Address: 1500 Monroe St Ft. Myers, FL 33901 Phone/Fax/Cell: 239-533-8109	
Sample Collector's (please print) Liza Rollins & Patrick Daughly		Sample Collector Signature 	
Relinquished By (signature)	Date & Time (24hr)	Relinquished By (signature)	Date & Time (24hr)
	8/31/2017 12:41		8/31/17 1:30
Relinquished By (signature)	Date & Time (24hr)	Received By (signature)	Date & Time (24hr)
			
Relinquished By (signature)	Date & Time (24hr)	Received By (signature)	Date & Time (24hr)
			

Analyses Required and Preservatives (See Codes)

Temp (°C)	1.2
Sample Matrix	SWF
*DO, Cond, DO/Fed, pH, Temp	FD
DFTOSTWS	FD
Velocity	FD
Flow	FD
Sample	FD
MU/GZOT, Enam	ST
Chlorophyll, Chlorophyll	NP
BOD, BOD, GP, Color, NO ₂ , NO ₃ , TSS, Turb	NP
O-PO ₄ , Silica	FF
TKN, TN, TP, PO ₄ , NH ₄ , NO ₂ , ONIT	S
#WSKs, ThiamC, Digest W	N

Sample(s) on wet ice?	☒ Yes
Collection Date & Time (24hr)	8/31/2017 9:34

Sample Location & Description	Matrix	# of Sample Containers Submitted	Lab ID#
Olga @ SR 80	SWF	X	AD51450
39-GR20	SWF	X	AD51450
8/31/2017 9:53	SWF	X	AD51451
38-3GR	SWF	X	AD51452
Bedman Creek Trib @ Tuckahoe Rd; Upstre	SWF	X	AD51453
37-4GR	SWF	X	AD51454
Bedman Cr/SR 80, Up	SWF	X	AD51455
SPANISHGR	SWF	X	AD51456
Spanish Creek	SWF	X	AD51457
8/31/2017 10:51	SWF	X	AD51458
CYPRESSGR	SWF	X	AD51459
Cypress Creek @ 78	SWF	X	AD51460
8/31/2017 11:17	SWF	X	AD51461
FIGHTERSGR	SWF	X	AD51462
Fighters Creek @ SR 78	SWF	X	AD51463
8/31/2017 11:31	SWF	X	AD51464
28-5GR	SWF	X	AD51465
Single Culv Under Duke Hwy/Ott	SWF	X	AD51466
8/31/2017 11:51	SWF	X	AD51467
27-6GR	SWF	X	AD51468
N River Rd/Trout Cr, Up side	SWF	X	AD51469
8/31/2017 12:00	SWF	X	AD51470
270-GR20	SWF	X	AD51471
Owl Creek @ SR 78	SWF	X	AD51472
8/31/2017 12:05	SWF	X	AD51473
WSEQB	SWF	X	AD51474
Watershed Equipment Blank	SWF	X	AD51475

* DEP Bottles

09-01-17
11:16

Date of Request: 14-FEB-2017
Created By: ANDERSON_C On: 14-FEB-2017
Modified By: MATTHEWS_D On: 06-JUN-2017
Customer: SO-DIST
Project: SMP
Division: Not Applicable
District:
Sampling Event: Lee County Tracers & Markers

Send Coolers To:

Phone: (239) 533-8600
Lee County Environmental Lab
60-2 Danley Dr
Fort Myers, FL 33907
Attn: Rick Armstrong

Program Module Number:
Priority: 3
Event Status: R
Criminal Investigation: NO
Chemistry Request Reviewed By: CLONE_TEMP On: 02-JUN-2017
Biology Request Reviewed By: MATTHEWS_D On: 06-JUN-2017
Sampling Kit Required: YES Ship on: 07-JUN-2017
Sampling Kit Shipped: YES On: 07-JUN-2017
Sampling Kit Packed By: GREENWOO_J
Preservatives Needed: NO
Date to Receive Samples: 19-JUN-2017
Received By: SHAIK_A On: 01-SEP-2017

Send Final Report To:

FLDEP South District Office
2295 Victoria Ave. Suite 364
Fort Myers, FL 33901-3381
Attn: Ben Paswater

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

Comments: DEP Lab: please send enough coolers for 3 sampling events (at least 3 coolers).

Lee County is analyzing bacteria for PCR-FILTER test.

Waterbodies:
Chapel (Bayshore) Creek
Cypress Creek
Powell Creek
Owl Creek
Telegraph Creek
Trout Creek
Whiskey Creek

Bottle Group A (Water) With 7 Samples:

Bottle Type: QPCR-P-250ML	Number of Bottles: 14	Preserved With: ICE
PCR-FILTER	Template: DEFAULT	(SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis
Bottle Type: BG-1L	Number of Bottles: 7	Preserved With: ICE
W-AHERB-AA	Template: DEFAULT	(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

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

RQ-2017-06-19-09

Log-in Checklist

Shipping Method: Fed ExDate/Time of Receipt: 9-1-17

Cooler ID	Cooler Temperature*	No. Sample Containers in Cooler	Evidence Tape		*Intact?		Tracking # (fill out only if waybill copy is damaged)
			Present?		Yes	No	
Rev	1.8C	12	Yes	No	Yes	No	

*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: h8

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

Coolers Unpacked/Checked by: ADP

Date: 9-1-17

NCRs (Y/N)?

Event ID: Lee County Tracers & Markers

SO-DIST-2017-09-01-01 (SMP)

NCR #

Date Received: 01-SEP-2017 11:15

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:

ORIGIN ID: FMYA (239) 533-8600
 MISHEL MULLAN
 LEE COUNTY ENVIRONMENTAL LAB
 60 DANLEY DR
 UNIT 2
 FT MYERS, FL 33907
 UNITED STATES US

SHIP DATE: 31AUG17
 ACTWGT: 50.00 LB
 CAD: 4923492/NET3920

BILL RECIPIENT

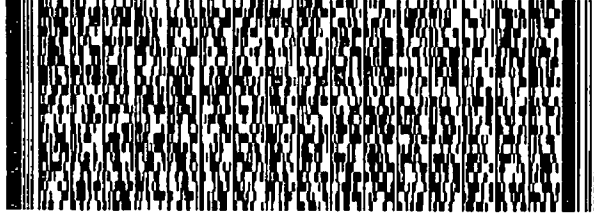
TO FL DEP CHEMISTRY LAB
 CHEMISTRY LAB
 2600 BLAIRSTONE RD
 ATTN: SAMPLE RECEIVING
 TALLAHASSEE FL 32399

(850) 245-8336

REF 0831-17

INV
 PO

DEPT



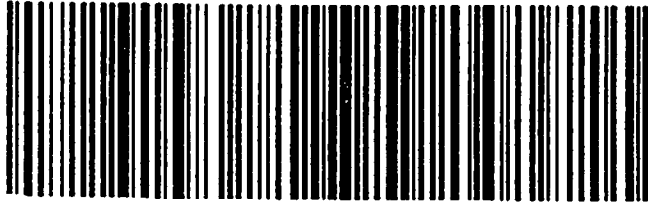
549J1FF19M04C

TRK# 7701 5687 3204
 0201

FRI - 01 SEP 10:30A
 PRIORITY OVERNIGHT

XH TLHA

32399
 FL-US TLH



After printing this label:

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.