



# Federal Emergency Management Agency

Washington, D.C. 20472

## LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	City of Park City Summit County Utah	NO PROJECT	HYDRAULIC ANALYSIS HYDROLOGIC ANALYSIS NEW TOPOGRAPHIC DATA
	COMMUNITY NO.: 490139		
IDENTIFIER	Upper Daly Avenue	APPROXIMATE LATITUDE & LONGITUDE: 40.635, -111.496 SOURCE: Other      DATUM: WGS84	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM*      NO.: 49043C0938C      DATE: March 16, 2006		DATE OF EFFECTIVE FLOOD INSURANCE STUDY: March 16, 2006 SUMMARY OF DISCHARGES TABLE: 4	

Enclosures reflect changes to flooding sources affected by this revision.

\* FIRM - Flood Insurance Rate Map; \*\* FBFM - Flood Boundary and Floodway Map; \*\*\* FHBM - Flood Hazard Boundary Map

### FLOODING SOURCE(S) & REVISED REACH(ES)

Empire Creek - from approximately 90 feet downstream of Ridge Avenue to approximately 990 feet upstream

### SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Empire Creek	Zone A	Zone A	YES	YES

\* BFEs - Base Flood Elevations

### DETERMINATION

This document provides the determination from the Department of Homeland Security's Federal Emergency Management Agency (FEMA) regarding a request for a Letter of Map Revision (LOMR) for the area described above. Using the information submitted, we have determined that a revision to the flood hazards depicted in the Flood Insurance Study (FIS) report and/or National Flood Insurance Program (NFIP) map is warranted. This document revises the effective NFIP map, as indicated in the attached documentation. Please use the enclosed annotated map panels revised by this LOMR for floodplain management purposes and for all flood insurance policies and renewals in your community.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 7390 Coca Cola Drive, Suite 204, Hanover, MD 21076. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

David N. Bascom, Program Specialist  
Engineering Management Branch  
Federal Insurance and Mitigation Administration



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## LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

### COMMUNITY INFORMATION

#### APPLICABLE NFIP REGULATIONS/COMMUNITY OBLIGATION

We have made this determination pursuant to Section 206 of the Flood Disaster Protection Act of 1973 (P.L. 93-234) and in accordance with the National Flood Insurance Act of 1968, as amended (Title XIII of the Housing and Urban Development Act of 1968, P.L. 90-448), 42 U.S.C. 4001-4128, and 44 CFR Part 65. Pursuant to Section 1361 of the National Flood Insurance Act of 1968, as amended, communities participating in the NFIP are required to adopt and enforce floodplain management regulations that meet or exceed NFIP criteria. These criteria, including adoption of the FIS report and FIRM, and the modifications made by this LOMR, are the minimum requirements for continued NFIP participation and do not supersede more stringent State/Commonwealth or local requirements to which the regulations apply.

#### COMMUNITY REMINDERS

We based this determination on the 1-percent-annual-chance discharges computed in the submitted hydrologic analysis. Future development of projects upstream could cause increased discharges, which could cause increased flood hazards. A comprehensive restudy of your community's flood hazards would consider the cumulative effects of development on discharges and could, therefore, indicate that greater flood hazards exist in this area.

Your community must regulate all proposed floodplain development and ensure that permits required by Federal and/or State/Commonwealth law have been obtained. State/Commonwealth or community officials, based on knowledge of local conditions and in the interest of safety, may set higher standards for construction or may limit development in floodplain areas. If your State/Commonwealth or community has adopted more restrictive or comprehensive floodplain management criteria, those criteria take precedence over the minimum NFIP requirements.

We will not print and distribute this LOMR to primary users, such as local insurance agents or mortgage lenders; instead, the community will serve as a repository for the new data. We encourage you to disseminate the information in this LOMR by preparing a news release for publication in your community's newspaper that describes the revision and explains how your community will provide the data and help interpret the NFIP maps. In that way, interested persons, such as property owners, insurance agents, and mortgage lenders, can benefit from the information.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 7390 Coca Cola Drive, Suite 204, Hanover, MD 21076. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

A handwritten signature in black ink, appearing to read "David N. Bascom".

David N. Bascom, Program Specialist  
Engineering Management Branch  
Federal Insurance and Mitigation Administration



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## LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

We have designated a Consultation Coordination Officer (CCO) to assist your community. The CCO will be the primary liaison between your community and FEMA. For information regarding your CCO, please contact:

Ms. Jeanine D. Petterson  
Director, Mitigation Division  
Federal Emergency Management Agency, Region VIII  
Denver Federal Center, Building 710  
P.O. Box 25267  
Denver, CO 80225-0267  
(303) 235-4830

### STATUS OF THE COMMUNITY NFIP MAPS

We will not physically revise and republish the FIRM and FIS report for your community to reflect the modifications made by this LOMR at this time. When changes to the previously cited FIRM panel(s) and FIS report warrant physical revision and republication in the future, we will incorporate the modifications made by this LOMR at that time.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 7390 Coca Cola Drive, Suite 204, Hanover, MD 21076. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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David N. Bascom, Program Specialist  
Engineering Management Branch  
Federal Insurance and Mitigation Administration



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**LETTER OF MAP REVISION  
DETERMINATION DOCUMENT (CONTINUED)**

**PUBLIC NOTIFICATION OF REVISION**

This revision will become effective 30 days from the date of this letter. Any requests to review or alter this determination should be made within 30 days and must be based on scientific or technical data.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 7390 Coca Cola Drive, Suite 204, Hanover, MD 21076. Additional information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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David N. Bascom, Program Specialist  
Engineering Management Branch  
Federal Insurance and Mitigation Administration




Table 4. Summary of Discharges

<u>Flooding Sources and Location</u>	<u>Drainage Area (Square Miles)</u>	<u>Peak Discharges (Cubic Feet per Second)</u>			
		<u>10 %-Annual- Chance</u>	<u>2 %-Annual- Chance</u>	<u>1 %-Annual- Chance</u>	<u>0.2 %-Annual- Chance</u>
<b>Silver Creek</b>					
At Bonanza Drive	8.60	110	200 <sup>1</sup>	250 <sup>1</sup>	600 <sup>1</sup>
At Confluence of Empire Creek	6.65	70	310	610	2,310
At Confluence of Deer Valley Creek	1.27	30	100	190	650
<b>Empire Creek</b>					
Just Upstream of confluence with Silver Creek	5.19	70	210	450	1,680
Just Upstream of confluence of Ontario Creek	3.16	60	200	440	1,650
REVIS DATA → Just Downstream of confluence of Walker and Webster Gulch	2.55	-	-	99	399
<b>Ontario Creek</b>					
Just Upstream of confluence with Empire Creek	1.84	20	70	140	610
Approximately 3,200 feet Upstream of confluence with Empire Creek	1.56	20	60	120	500
<b>Deer Valley Creek</b>					
Just Upstream of confluence with Silver Creek	1.64	20	80	150	630
Approximately 4,800 feet Upstream of confluence with Silver Creek	0.66	30	80	160	660
<b>Road Canyon Drainage</b>					
At Westwood Road	3.40	-	-	139	-
<b>Kimball Canyon Drainage</b>					
Near Wasatch Way	1.20	-	-	67	-
Just Downstream of unnamed spring near Bitner Ranch Road	2.10	-	-	97	-
<b>McLeod Creek</b>					
At diversion below SR 224	8.60	-	-	190	-
<b>Red Pine Creek</b>					
At SR 224	3.90	-	-	175	-
<b>Willow Draw</b>					
At SR 224	2.60	-	-	126	-
AT I-80	7.10	-	-	225	-
<b>White Pine Creek</b>					
At SR 224	6.10	-	-	240	-

REVISED TO  
REFLECT LOMR  
EFFECTIVE: November 21, 2011

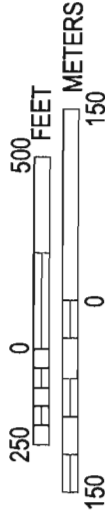
<sup>1</sup> Reduced peak discharges due to permanent flow losses to McLeod Creek Basin. Losses originate at about the confluence of Silver and Empire Creeks and continue downstream to about Bonanza Drive. Combined channel and overbank peak discharges for the 50-, 100-, and 500-year floods will be 430 cfs, 900 cfs, and 3,470 cfs, respectively.

Legend

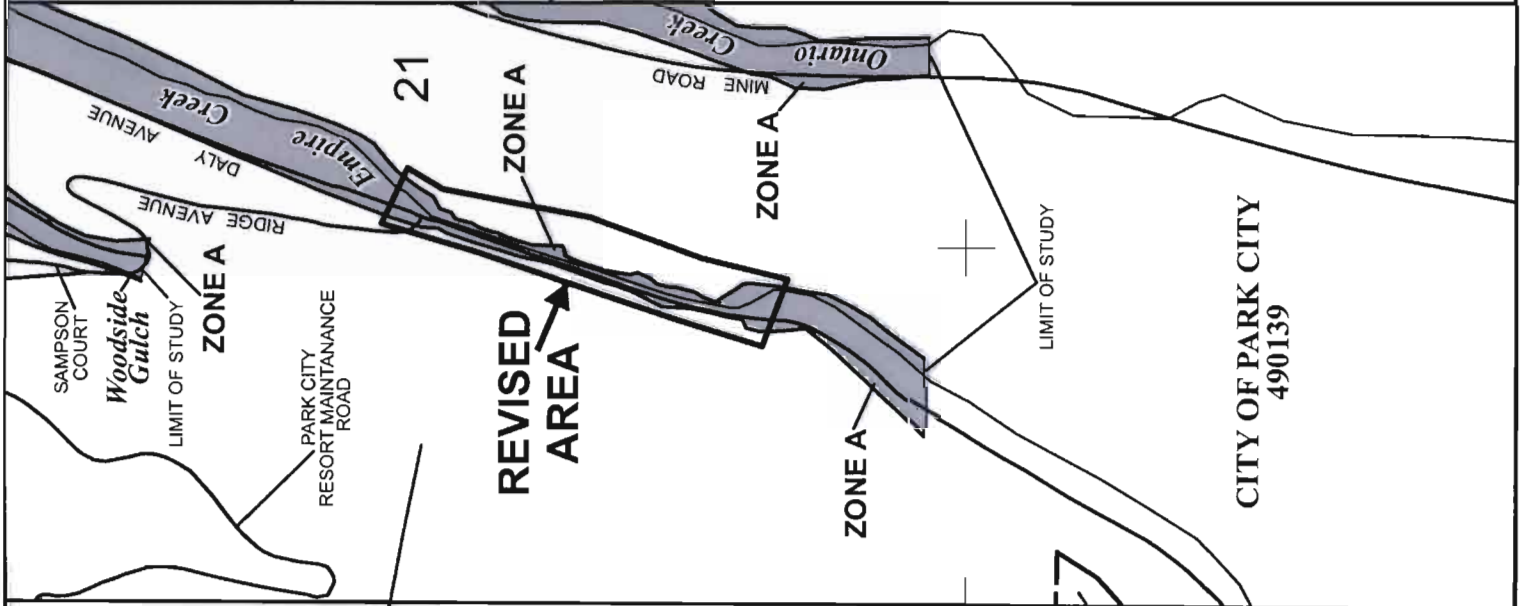
-  1% annual chance (100-Year) Floodplain
-  1% annual chance (100-Year) Floodway
-  0.2% annual chance (500-Year) Floodplain



MAP SCALE 1" = 500'



NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 2 SOUTH, RANGE 4 EAST.



SUMMIT COUNTY UNINCORPORATED AREAS 490134

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0938C

FIRM

FLOOD INSURANCE RATE MAP

SUMMIT COUNTY, UTAH AND INCORPORATED AREAS

PANEL 938 OF 1250

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
SUMMIT COUNTY	490134	0938	C
PARK CITY, CITY OF	490139	0938	C

REVISED TO REFLECT LOMR EFFECTIVE: November 21, 2011

Notice to User: The Map Number shown below should be used when placing map orders. The Community Number shown above should be used on insurance applications for the subject community.



MAP NUMBER 49043C0938C EFFECTIVE DATE MARCH 16, 2006

Federal Emergency Management Agency