



# 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 Murray Salt Lake County Utah	BRIDGE	1D HYDRAULIC ANALYSIS FLOODWAY UPDATED TOPOGRAPHIC DATA
	COMMUNITY NO.: 490103		
IDENTIFIER	Little Cottonwood Creek - 5900 S. To 5600 S.	APPROXIMATE LATITUDE AND LONGITUDE: 40.645, -111.872 SOURCE: Other DATUM: NAD 83	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM* NO.: 49035C0313G DATE: September 25, 2009 TYPE: FIRM NO.: 49035C0294G DATE: September 25, 2009		DATE OF EFFECTIVE FLOOD INSURANCE STUDY: November 19, 2021  PROFILES: 133P-135P FLOODWAY DATA TABLE: 12	

Enclosures reflect changes to flooding sources affected by this revision.

\* FIRM - Flood Insurance Rate Map

### FLOODING SOURCE AND REVISED REACH

Little Cottonwood Creek - From approximately 440 feet downstream of 5600 South Street to approximately 280 feet upstream of 900 East Street

### SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Little Cottonwood Creek	BFEs*	BFEs	YES	YES
	Floodway	Floodway	YES	YES
	Zone AE	Zone AE	YES	YES
	Zone X (Shaded)	Zone X (Shaded)	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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <https://www.fema.gov/flood-insurance>.

Patrick "Rick" F. Sacibit, P.E., Branch Chief  
Engineering Services Branch  
Federal Insurance and Mitigation Administration

22-08-0780P

102-I-A-C



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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.

We provide the floodway designation to your community as a tool to regulate floodplain development. Therefore, the floodway revision we have described in this letter, while acceptable to us, must also be acceptable to your community and adopted by appropriate community action, as specified in Paragraph 60.3(d) of the NFIP regulations.

NFIP regulations Subparagraph 60.3(b)(7) requires communities to ensure that the flood-carrying capacity within the altered or relocated portion of any watercourse is maintained. This provision is incorporated into your community's existing floodplain management ordinances; therefore, responsibility for maintenance of the altered or relocated watercourse, including any related appurtenances such as bridges, culverts, and other drainage structures, rests with your community. We may request that your community submit a description and schedule of maintenance activities necessary to ensure this requirement.

#### COMMUNITY REMINDERS

We based this determination on the 1-percent-annual-chance flood discharges computed in the FIS for your community without considering subsequent changes in watershed characteristics that could increase flood discharges. Future development of projects upstream could cause increased flood discharges, which could cause increased flood hazards. A comprehensive restudy of your community's flood hazards would consider the cumulative effects of development on flood discharges subsequent to the publication of the FIS report for your community and could, therefore, establish greater flood hazards 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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <https://www.fema.gov/flood-insurance>.

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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:

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 panels 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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <https://www.fema.gov/flood-insurance>.

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Patrick "Rick" F. Sacbibit, P.E., Branch Chief  
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## LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

### PUBLIC NOTIFICATION OF REVISION

A notice of changes will be published in the *Federal Register*. This information also will be published in your local newspaper on or about the dates listed below, and through FEMA's Flood Hazard Mapping website at

[https://www.floodmaps.fema.gov/fhm/bfe\\_status/bfe\\_main.asp](https://www.floodmaps.fema.gov/fhm/bfe_status/bfe_main.asp)

#### LOCAL NEWSPAPER

Name: *Salt Lake Tribune*

Dates: August 9, 2023 and August 16, 2023

Within 90 days of the second publication in the local newspaper, any interested party may request that we reconsider this determination. Any request for reconsideration must be based on scientific or technical data. Therefore, this letter will be effective only after the 90-day appeal period has elapsed and we have resolved any appeals that we receive during this appeal period. Until this LOMR is effective, the revised flood hazard determination presented in this LOMR may be changed.

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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <https://www.fema.gov/flood-insurance>.

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Engineering Services Branch  
Federal Insurance and Mitigation Administration

REVISED  
DATA

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD)			
CROSS-SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Little Cottonwood Creek (Cont'd)								
AA	11,693	22	181	5.8	4,302.5	4,302.5	4,303.0	0.5
AB	12,202	29	164	6.4	4,305.5	4,305.5	4,305.8	0.3
AC	12,436	26	152	6.9	4,306.7	4,306.7	4,306.8	0.1
AD	12,816	44	186	5.6	4,308.5	4,308.5	4,308.6	0.1
AE	13,239	37	171	6.1	4,311.8	4,311.8	4,311.8	0.0
AF	13,701	66	164	6.4	4,314.4	4,314.4	4,314.4	0.0
AG	13,954	38	150	7.0	4,315.5	4,315.5	4,315.6	0.1
AH	14,227	51	202	5.2	4,317.7	4,317.7	4,317.7	0.0
AI	14,923	26	97	10.8	4,319.8	4,319.8	4,319.8	0.0
AJ	15,263	28	107	9.8	4,322.9	4,322.9	4,322.9	0.0
AK	15,443	32	127	8.3	4,324.8	4,324.8	4,324.8	0.0
AL	16,028	41	162	6.5	4,328.0	4,328.0	4,328.0	0.0
AM	16,378	47	170	6.2	4,330.4	4,330.4	4,330.4	0.0
AN	16,951	32	116	9.0	4,334.4	4,334.4	4,334.5	0.1
AO	17,017	37	278	3.8	4,336.8	4,336.8	4,336.8	0.0
AP	17,255	39	169	6.2	4,337.7	4,337.7	4,337.7	0.0
AQ	17,523	31	129	8.2	4,338.4	4,338.4	4,338.4	0.0
AR	18,042	39	185	5.7	4,342.5	4,342.5	4,342.5	0.0
AS	18,200	38	172	6.1	4,343.1	4,343.1	4,343.2	0.1
AT	18,806	31	103	10.2	4,347.6	4,347.6	4,347.6	0.0
AU	19,269	24	93	11.3	4,355.0	4,355.0	4,355.0	0.0
AV	19,489	89	200	5.3	4,359.6	4,359.6	4,359.6	0.0
AW	20,032	37	178	5.9	4,362.8	4,362.8	4,363.4	0.6
AX	21,192	23	113	9.3	4,373.6	4,373.6	4,373.7	0.0
AY	21,936	23	139	7.6	4,380.0	4,380.0	4,380.9	0.9
AZ	22,557	72	295	3.6	4,382.9	4,382.9	4,383.2	0.3

<sup>1</sup>Feet above confluence with Jordan River

TABLE 12

FEDERAL EMERGENCY MANAGEMENT AGENCY  
SALT LAKE COUNTY, UT  
AND INCORPORATED AREAS

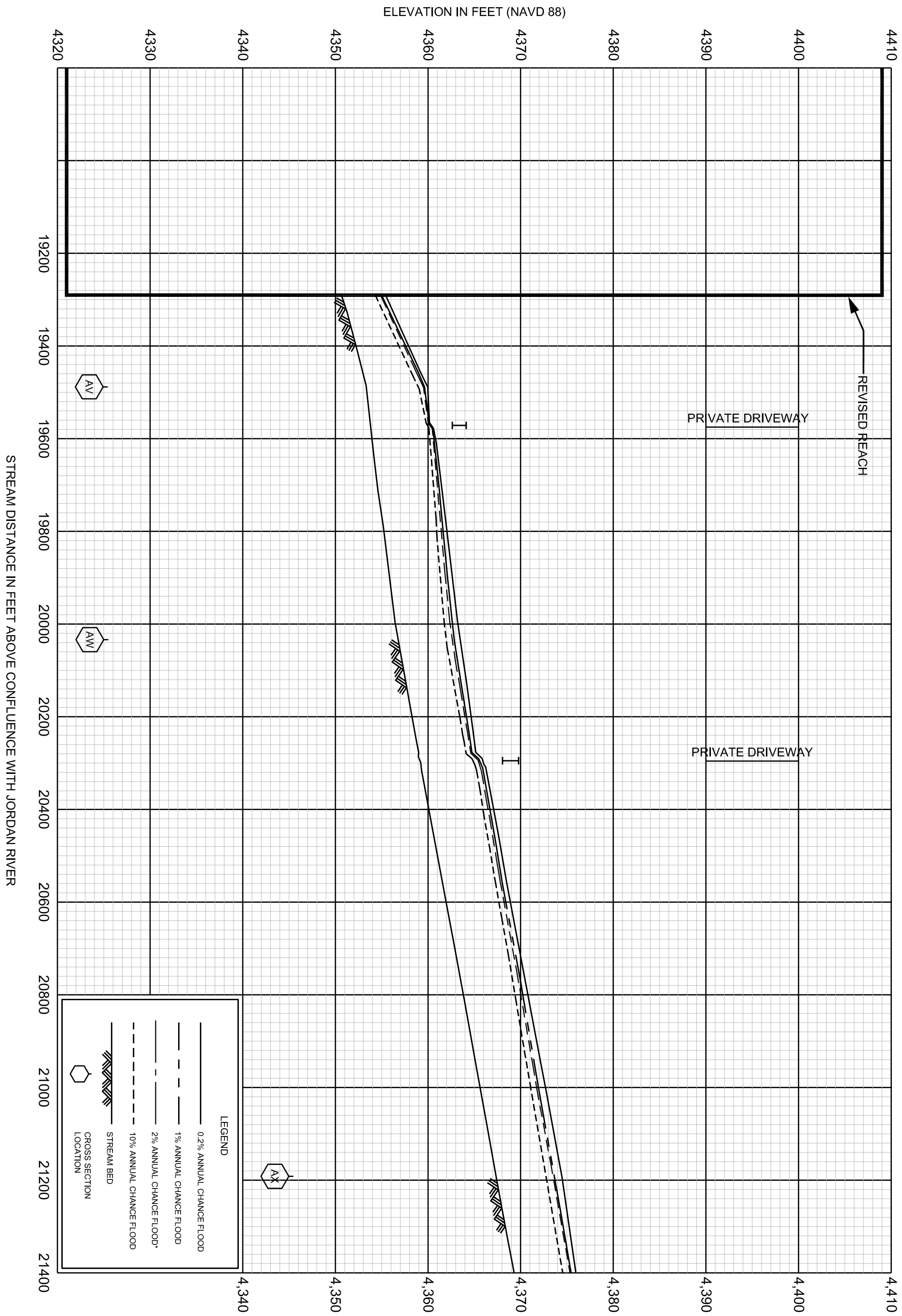
FLOODWAY DATA

REVISED TO  
REFLECT LOMR  
EFFECTIVE: December 14, 2023

LITTLE COTTONWOOD CREEK











NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 2 SOUTH, RANGE 1 EAST.

Little Cottonwood Creek

REVISED AREA

City of Murray 490103

5600 SOUTH ST

18

5640 SOUTH ST

625 EAST ST

675 EAST ST

EREKSON LN

4324.4

4324.8

AK

AN

4334.4

4335.5

4336.8

AO

17

VINE ST

920 EAST ST

5700 SOUTH ST

5750 SOUTH ST

5800 SOUTH ST

HIGHLAND LAKE DR

0.2%-ANNUAL-CHANCE FLOOD DISCHARGE CONTAINED IN STRUCTURE

HOLSTEIN LN

4328.9

4330.4

4331.1

4334.4

4337.0

4338.0

4341.7

4342.5

4343.1

AS

4344.1

4345.4

4354.6

PRIVATE RD

4361

BELLE MEADOWS WAY

VINE ST

PRIVATE RD 1%-ANNUAL-CHANCE FLOOD DISCHARGE CONTAINED IN STRUCTURE

Little Cottonwood Creek

ZONE AE

Salt Lake County Unincorporated Areas 490102



FOREST SIDE LN

Bridge

SILOH WAY

DEERFIELD RD

725 EAST ST

5900 SOUTH ST

ZONE AE

4347.6

4349.1

5960 SOUTH ST

4355.0

AU

4359

1%-ANNUAL-CHANCE FLOOD DISCHARGE CONTAINED IN STRUCTURE

4363

4365

4366

4370

SPECIAL FLOOD HAZARD AREAS

OTHER AREAS OF FLOOD HAZARD

Without Base Flood Elevation (BFE)  
Zone A, V, A99

With BFE or Depth  
Zone AE, AO, AH, VE, AR

Regulatory Floodway

0.2 % Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile  
Zone X

Future Conditions 1% Annual Chance Flood Hazard  
Zone X

Area with Reduced Flood Risk due to Levee  
See Notes.  
Zone X

SCALE

Map Projection:  
Universal Transverse MercatorNAD 1983 UTM Zone 12N  
Western Hemisphere; Vertical Datum: NAVD 88

1 inch = 500 feet

1:6,000

02505001,000

060120240

Feet

Meters

FEDERAL EMERGENCY MANAGEMENT AGENCY

NATIONAL FLOOD INSURANCE PROGRAM

FLOOD INSURANCE RATE MAP

SALT LAKE COUNTY, UTAH

and Incorporated Areas

PANEL 313 OF 625

Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
SALT LAKE COUNTY, UNINCORPORATED AREAS	490102	0313	G
MURRAY, CITY OF	490103	0313	G
COTTONWOOD HEIGHTS, CITY OF	490028	0313	G
MIDVALE, CITY OF	490211	0313	G

REVISED TO REFLECT LOMR  
EFFECTIVE: December 14, 2023

VERSION NUMBER  
2.3.3.2

MAP NUMBER  
49035C0313G

MAP REVISED  
SEPTEMBER 25, 2009