

Follows Conditional Case No.: 12-09-1083R



Federal Emergency Management Agency

Washington, D.C. 20472

LETTER OF MAP REVISION DETERMINATION DOCUMENT

| COMMUNITY AND REVISION INFORMATION | | PROJECT DESCRIPTION | BASIS OF REQUEST |
|--|--|--|--|
| COMMUNITY | Riverside County California (Unincorporated Areas) | CHANNELIZATION CULVERT | FLOODWAY HYDRAULIC ANALYSIS NEW TOPOGRAPHIC DATA |
| | COMMUNITY NO.: 060245 | | |
| IDENTIFIER | Day Creek-Stage 6 Phase 2 | APPROXIMATE LATITUDE & LONGITUDE: 33.970, -117.533 SOURCE: USGS QUADRANGLE DATUM: NAD 83 | |
| ANNOTATED MAPPING ENCLOSURES | | ANNOTATED STUDY ENCLOSURES | |
| TYPE: FIRM* NO.: 06065C0681G DATE: August 28, 2008 TYPE: FIRM* NO.: 06065C0683G DATE: August 28, 2008 | | DATE OF EFFECTIVE FLOOD INSURANCE STUDY REPORT: August 28, 2008 PROFILE(S): 44P FLOODWAY DATA TABLE: 7 | |

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)

Day Creek - from approximately 150 feet downstream of Lucretia Avenue to approximately 400 feet upstream of Limonite Avenue

| Flooding Source | SUMMARY OF REVISIONS | | See Page 2 for Additional Revisions | |
|-----------------|----------------------|------------------|-------------------------------------|-----------|
| | Effective Flooding | Revised Flooding | Increases | Decreases |
| Day Creek | Zone AE | Zone AE | NONE | YES |
| | BFEs* | BFEs | NONE | YES |
| | Zone X (shaded) | Zone X (shaded) | NONE | YES |
| | Floodway | Floodway | 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, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our website at <http://www.fema.gov/business/nfip>

Siamak Esfandiary, Ph.D., P.E., Program Specialist
Engineering Management Branch
Federal Insurance and Mitigation Administration

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

OTHER FLOODING SOURCES AFFECTED BY THIS REVISION

FLOODING SOURCE(S) & REVISED REACH(ES)

Day Creek - from approximately 150 feet downstream of Lucretia Avenue to approximately 400 feet upstream of Limonite Avenue

SUMMARY OF REVISIONS

| Flooding Source | Effective Flooding | Revised Flooding | Increases | Decreases |
|-----------------|--------------------|------------------|-----------|-----------|
| Day Creek | Zone AE | Contained | NONE | YES |
| | Floodway | Contained | NONE | YES |
| | BE* | Contained | NONE | YES |
| | Zone X (shaded) | Contained | NONE | YES |

* BEs - Base Flood Elevations

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, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our website at <http://www.fema.gov/business/nfip>

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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 Map Information eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our website at <http://www.fema.gov/business/nfip>.

A handwritten signature in black ink, appearing to read "S. Esfandiary".

Siamak Esfandiary, Ph.D., P.E., Program Specialist
Engineering Management Branch
Federal Insurance and Mitigation Administration



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Washington, D.C. 20472

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. Sally M. Ziolkowski
Director, Mitigation Division
Federal Emergency Management Agency, Region IX
1111 Broadway Street, Suite 1200
Oakland, CA 94607-4052
(510) 627-7175

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, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our website at <http://www.fema.gov/business/nfip>

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Engineering Management Branch
Federal Insurance and Mitigation Administration

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD) | | | |
|------------------------------------|--------------------|--------------|---------------------------|---------------------------------|--|------------------|---------------|----------|
| CROSS SECTION | DISTANCE | WIDTH (FEET) | SECTION AREA (SQARE FEET) | MEAN VELOCITY (FEET PER SECOND) | REGULATORY | WITHOUT FLOODWAY | WITH FLOODWAY | INCREASE |
| Country Club Creek | | | | | | | | |
| A | 800 ¹ | 100 | 2,210 | 0.4 | 596.5 | 596.5 | 597.5 | 1.0 |
| B | 2,020 ¹ | 70 | 170 | 4.1 | 617.4 | 617.4 | 618.4 | 1.0 |
| C | 2,250 ¹ | 80 | 360 | 1.9 | 625.6 | 625.6 | 626.6 | 1.0 |
| D | 2,430 ¹ | 30 | 83 | 4.8 | 628.6 | 628.6 | 629.6 | 1.0 |
| E | 2,590 ¹ | 100 | 700 | 0.6 | 634.0 | 634.0 | 635.0 | 1.0 |
| F | 2,940 ¹ | 70 | 140 | 2.9 | 634.3 | 634.3 | 635.3 | 1.0 |
| G | 3,640 ¹ | 30 | 71 | 5.2 | 648.8 | 648.8 | 649.8 | 1.0 |
| H | 5,120 ¹ | 60 | 122 | 2.9 | 702.0 | 702.0 | 703.0 | 1.0 |
| I | 5,900 ¹ | 30 | 78 | 4.5 | 740.5 | 740.5 | 741.5 | 1.0 |
| Country Club Creek North Tributary | | | | | | | | |
| A | 180 ² | 30 | 69 | 5.8 | 626.1 | 626.1 | 627.1 | 1.0 |
| B | 1,520 ² | 20 | 46 | 8.7 | 652.4 | 652.4 | 653.4 | 1.0 |
| C | 3,160 ² | 20 | 53 | 7.0 | 701.7 | 701.7 | 702.7 | 1.0 |
| D | 3,310 ² | 110 | 760 | 0.5 | 711.4 | 711.4 | 712.4 | 1.0 |
| E | 3,860 ² | 50 | 104 | 3.5 | 716.8 | 716.8 | 717.8 | 1.0 |
| Day Creek ⁴ | | | | | | | | |
| A | 600 ³ | 220 | 1,813 | 4.6 | 639.1 | 639.1 | 640.1 | 1.0 |
| B | 1,070 ³ | 300 | 1,713 | 4.8 | 640.5 | 640.5 | 641.5 | 1.0 |
| C | 1,600 ³ | 380 | 2,339 | 3.6 | 644.2 | 644.2 | 645.2 | 1.0 |
| D | 2,300 ³ | 430 | 1,207 | 8.3 | 649.0 | 649.0 | 650.0 | 1.0 |
| E | 2,800 ³ | 600 | 2,346 | 3.7 | 653.4 | 653.4 | 654.4 | 1.0 |

¹ Feet Above Limit of Detailed Study

² Feet Above Confluence with Country Club Creek

³ Feet Above Point 120 Feet Downstream of Lucretia Avenue

⁴ Contained in Channel

**REVISED TO
REFLECT LOMR
EFFECTIVE: November 28, 2013**

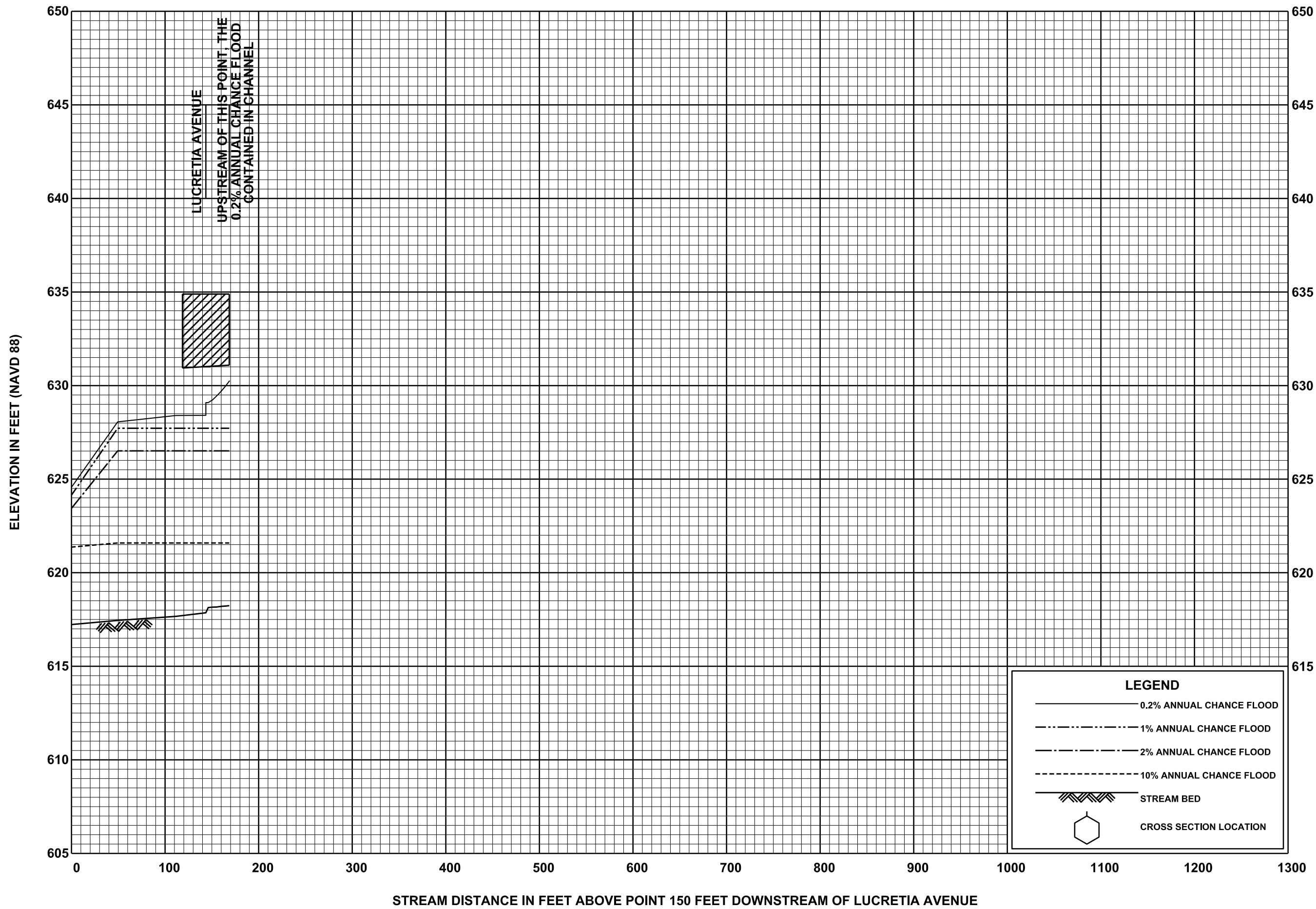
REVISED DATA

TABLE 7

FEDERAL EMERGENCY MANAGEMENT AGENCY
RIVERSIDE COUNTY, CA
AND INCORPORATED AREAS

FLOODWAY DATA

COUNTRY CLUB CREEK - COUNTRY CLUB CREEK
NORTH TRIBUTARY - DAY CREEK






REVISED TO REFLECT LOMR FLOOD PROFILES EFFECTIVE: November 28, 2013

DAY CREEK

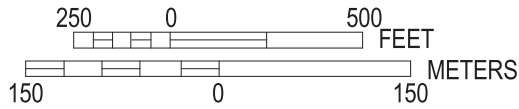
FEDERAL EMERGENCY MANAGEMENT AGENCY
RIVERSIDE COUNTY, CA
 AND INCORPORATED AREAS

Legend

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



MAP SCALE 1" = 500'



NFP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0681G

FIRM
FLOOD INSURANCE RATE MAP

RIVERSIDE COUNTY,
CALIFORNIA
AND INCORPORATED AREAS

PANEL 681 OF 3805
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)
CONTAINS:

| COMMUNITY | NUMBER | PANEL | SUFFIX |
|------------------|--------|-------|--------|
| RIVERSIDE COUNTY | 060245 | 0681 | G |

**REVISED TO
REFLECT LOMR
EFFECTIVE: November 28, 2013**

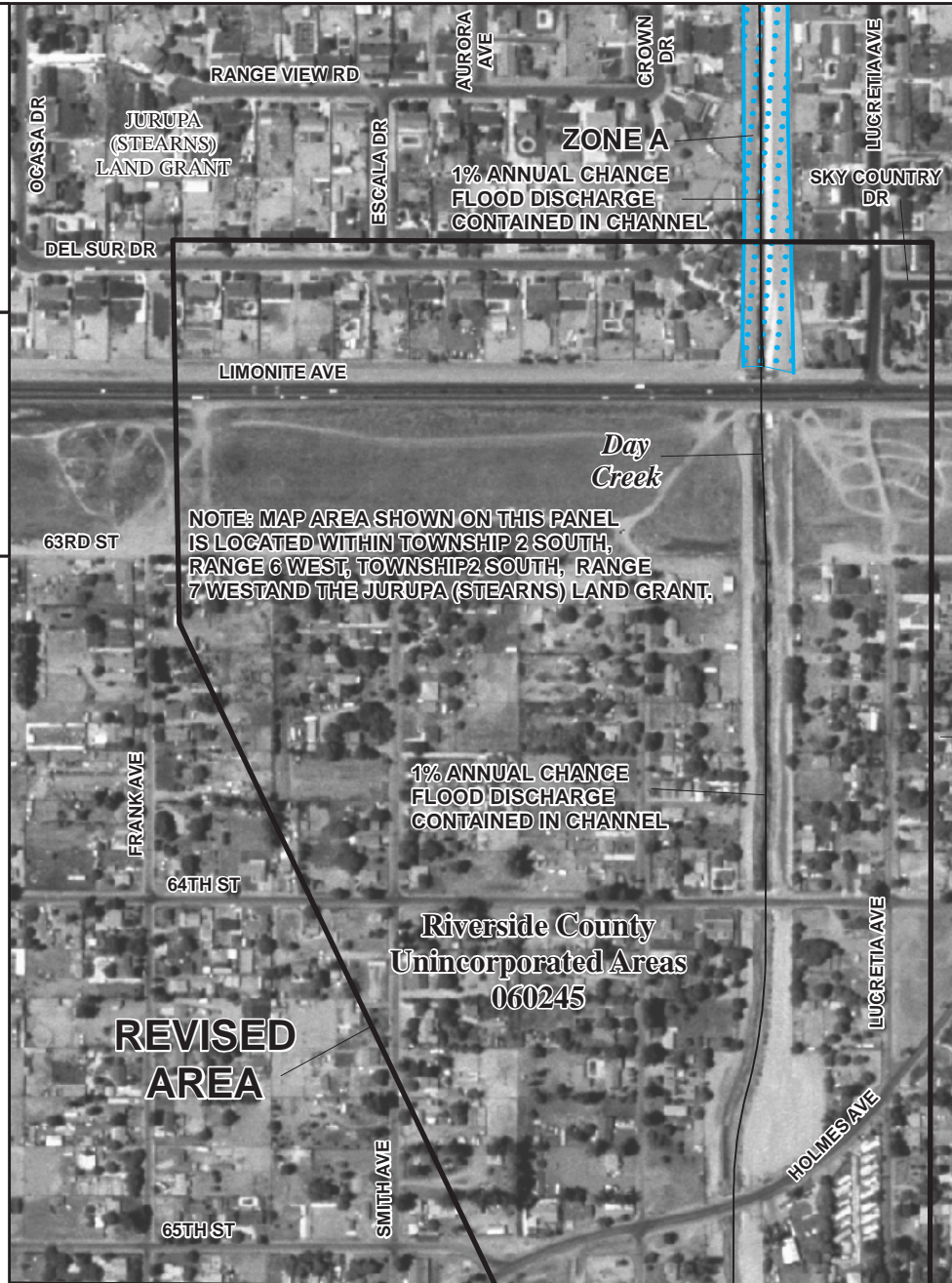
Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.



MAP NUMBER
06065C0681G

EFFECTIVE DATE
AUGUST 28, 2008

Federal Emergency Management Agency



ZONE A
1% ANNUAL CHANCE
FLOOD DISCHARGE
CONTAINED IN CHANNEL

NOTE: MAP AREA SHOWN ON THIS PANEL
IS LOCATED WITHIN TOWNSHIP 2 SOUTH,
RANGE 6 WEST, TOWNSHIP 2 SOUTH, RANGE
7 WEST AND THE JURUPA (STEARNS) LAND GRANT.

1% ANNUAL CHANCE
FLOOD DISCHARGE
CONTAINED IN CHANNEL

**REVISED
AREA**




Riverside County
Unincorporated Areas
060245

JOINS PANEL 0682

JOINS PANEL 0683

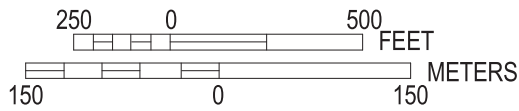
33°58'07.5"
117°31'52.5"

Legend

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



MAP SCALE 1" = 500'



NATIONAL FLOOD INSURANCE PROGRAM
 NFIP

PANEL 0683G

FIRM
FLOOD INSURANCE RATE MAP

RIVERSIDE COUNTY,
CALIFORNIA
AND INCORPORATED AREAS

PANEL 683 OF 3805

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)
CONTAINS:

| COMMUNITY | NUMBER | PANEL | SUFFIX |
|------------------|--------|-------|--------|
| RIVERSIDE COUNTY | 060245 | 0683 | G |
| NORCO, CITY OF | 060256 | 0683 | G |

**REVISED TO
REFLECT LOMR
EFFECTIVE: November 28, 2013**

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06065C0683G

EFFECTIVE DATE
AUGUST 28, 2008

Federal Emergency Management Agency

JOINS PANEL 0681

117°31'52.5"

33°58'07.5"

