

Washington, D.C. 20472

### LETTER OF MAP REVISION DETERMINATION DOCUMENT

	COMMUNITY AND REVISION INFORMATION	PROJECT DESCRIPTION	BASIS OF REQUEST		
COMMUNITY	City of San Angelo Tom Green County Texas	NO PROJECT	FLOODWAY HYDRAULIC ANALYSIS HYDROLOGIC ANALYSIS UPDATED TOPOGRAPHIC DATA		
	COMMUNITY NO.: 480623	-			
IDENTIFIER	Lake Creek Flood Study	APPROXIMATE LATITUDE & LONGITUDE: 31.533, -100.481 SOURCE: Precision Mapping Streets DATUM: NAD 83			
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES			
TYPE: FIRM*	NO.: 48451C0340E DATE: June 19, 2012	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: June 19, 2012 PROFILES: 36P FLOODWAY DATA TABLE: 8 (DELETED) SUMMARY OF DISCHARGES TABLE: 4			

Enclosures reflect changes to flooding sources affected by this revision.

\* FIRM - Flood Insurance Rate Map;

#### FLOODING SOURCE & REVISED REACHE

Lake Creek - From approximately 100 feet southeast of the intersection of Grape Creek Road and Cauley Lane to approximately 5,730 feet upstream of Navajo Road

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Lake Creek	Zone AE	Zone AE	YES	YES
	Floodway	Removed	NONE	YES
	BFEs*	BFEs	NONE	YES
	Zone X (shaded)	Zone X (shaded)	NONE	YES

#### **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 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/nfip.

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



DELETED PROFILES: 37P, 38P, 39P, 40P, 154P FLOODWAY DATA TABLE: 8 (DELETED) SUMMARY OF DISCHARGES TABLE: 4

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## LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

#### OTHER COMMUNITIES AFFECTED BY THIS REVISION

CID Number: 480622 Name: Unincorporated Areas of Tom Green County, Texas

AFFECTED MAP PANELS AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT

TYPE: FIRM\* NO.: 48451C0340E DATE: June 19, 2012
TYPE: FIRM\* NO.: 48451C0350E DATE: June 19, 2012
PROFILES: 36P, 152P, 153P

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 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/nfip.

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Case No.: 17-06-0008P



## Federal Emergency Management Agency

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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.

#### COMMUNITY REMINDERS

We based this determination on the 1-percent-annual-chance discharges computed in the submitted hydrologic model. 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 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/nfip.

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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. Sandy Keefe
Director, Mitigation Division
Federal Emergency Management Agency, Region VI
Federal Regional Center, Room 206
800 North Loop 288
Denton, TX 76209
(940) 898-5127

#### 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 Map Information eXchange 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/nfip.

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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

LOCAL NEWSPAPER

Name: San Angelo Standard-Times

Dates: December 27, 2016 and January 3, 2017

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 Map Information eXchange 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/nfip.

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Table 4 - Summary of Discharges (Continued)

		PEAK DISCHARGES (cfs)			
FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. mi.)	10% - Annual- <u>Chance</u>	2% - Annual- <u>Chance</u>	1% - Annual- <u>Chance</u>	0.2% - Annual- <u>Chance</u>
GOODFELLOW DRAW At confluence with the Concho					
River	1.53	1,235	1,910	2,245	2,960
Approximately 1,755 feet downstream of Evelyn Avenue	1.11	915	1,425	1,670	2,195
GRAPE CREEK					
Upstream of confluence with North Concho River Approximately 1.52 miles upstream	111.74	9,590	20,580	26,070	40,940
of Grape Creek Road	106.56	9,830	21,950	27,730	43,300
Downstream of Grape Creek Road	105.71	10,070	22,320	28,090	43,530
Downstream of Tributary GC1	103.30	10,250	22,580	28,420	43,850
GRAPE CREEK DRAW					
Upstream of FM 2288	10.86	3,900	7,230	8,790	12,500
Upstream of confluence with Grape Creek	8.27	5,160	8,710	10,170	13,160
LAKE CREEK				10	
At Cauley Lane	5.77	2541	$410^{1}$	$490^{1}$	619¹
Downstream of confluence with West Fork Lake Creek Upstream of confluence with West	5.25	258	415	496	628
Fork Lake Creek	4.15	169 <sup>1</sup>	2721	3251	4111
Downstream of Robins Road	3.56	516	830	993	1,257
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MIDDLE CONCHO RIVER Downstream of Twin Buttes			REV	ISED DAT	Α
Reservoir Dam At Atchison Topeka and Santa Fe	3,989.41	12,500	21,000	25,000	25,000
Railway	1,693.80	24,450	48,920	61,240	98,500
At. U.S. Route 67	1,689.80	24,400	48,790	61,070	98,360
Approximately 1.71 miles upstream of U.S. Route 67	1,679.70	24,460 <sup>1</sup>	48,760	61,100 <sup>1</sup>	98,840 <sup>1</sup>
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<sup>1</sup>Downstream discharge decreases due to storage routing effects

REVISED TO REFLECT LOMR EFFECTIVE: May 3, 2017

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