



# Federal Emergency Management Agency

Washington, D.C. 20472

May 31, 2012

RECEIVED

JUN 08 2012

RFCD

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

The Honorable Ramon Valadez  
Chairman, Pima County Board  
of Supervisors  
130 West Congress Street, 11th Floor  
Tucson, AZ 85701

IN REPLY REFER TO:

Case No.: 12-09-1311P  
Community Name: Pima County, AZ  
Community No.: 040073  
Effective Date of  
This Revision: **October 12, 2012**

Dear Mr. Valadez:

The Flood Insurance Study report and Flood Insurance Rate Map for your community have been revised by this Letter of Map Revision (LOMR). Please use the enclosed annotated map panel(s) revised by this LOMR for floodplain management purposes and for all flood insurance policies and renewals issued in your community.

Additional documents are enclosed which provide information regarding this LOMR. Please see the List of Enclosures below to determine which documents are included. Other attachments specific to this request may be included as referenced in the Determination Document. If you have any questions regarding floodplain management regulations for your community or the National Flood Insurance Program (NFIP) in general, please contact the Consultation Coordination Officer for your community. If you have any technical questions regarding this LOMR, please contact the Director, Mitigation Division of the Department of Homeland Security's Federal Emergency Management Agency (FEMA) in Oakland, California, at (510) 627-7175, or the FEMA Map Information eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP). Additional information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

Sincerely,

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

For: Luis Rodriguez, P.E., Chief  
Engineering Management Branch  
Federal Insurance and Mitigation Administration

List of Enclosures:

Letter of Map Revision Determination Document  
Annotated Flood Insurance Rate Map  
Annotated Flood Insurance Study Report

cc: Ms. Suzanne Shields, P.E.  
Director  
Pima County Flood Control District

Mr. Jiankang Wang, P.E.  
Project Manager  
CMG Drainage Engineering, Inc.



# Federal Emergency Management Agency

Washington, D.C. 20472

## LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	Pima County Arizona (Unincorporated Areas)	NO PROJECT	HYDRAULIC ANALYSIS HYDROLOGIC ANALYSIS NEW TOPOGRAPHIC DATA
	COMMUNITY NO.: 040073		
IDENTIFIER	Black Wash Upstream of Valencia Road	APPROXIMATE LATITUDE & LONGITUDE: 32.125, -111.073 SOURCE: Precision Mapping Streets      DATUM: NAD 83	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM*	NO.: 04019C2265L      DATE: June 16, 2011	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: June 16, 2011 PROFILE(S): 298P SUMMARY OF DISCHARGES TABLE: 6	
TYPE: FIRM*	NO.: 04019C2270L      DATE: June 16, 2011		
TYPE: FIRM*	NO.: 04019C2855L      DATE: June 16, 2011		
TYPE: FIRM*	NO.: 04019C2860L      DATE: June 16, 2011		

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)

Black Wash - from approximately 3,500 feet upstream of Valencia Road to approximately 1,330 feet upstream of Camino De Oeste  
 Unnamed Tributary to Black Wash - from approximately 5,340 feet upstream of Valencia Road to approximately 2,490 feet downstream of South Mark Road

### SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Black Wash	Zone AO	Zone AE	NONE	YES
	No BFEs*	BFEs*	YES	NONE
	Zone AO	Zone X (unshaded)	NONE	YES
Unnamed Tributary to Black Wash	Zone AO	Zone X (unshaded)	NONE	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



Federal Emergency Management Agency  
Washington, D.C. 20472

**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 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 Assistance Center 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>.

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

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



Federal Emergency Management Agency  
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 Assistance Center 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>.

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

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



Federal Emergency Management Agency  
Washington, D.C. 20472

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

**PUBLIC NOTIFICATION OF REVISION**

**PUBLIC NOTIFICATION**

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

LOCAL NEWSPAPER

Name: *The Daily Territorial*

Dates: June 7, 2012 and June 14, 2012

Within 90 days of the second publication in the local newspaper, a citizen 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 information 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 Assistance Center 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>.

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

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

Table 6. SUMMARY OF DISCHARGES - continued

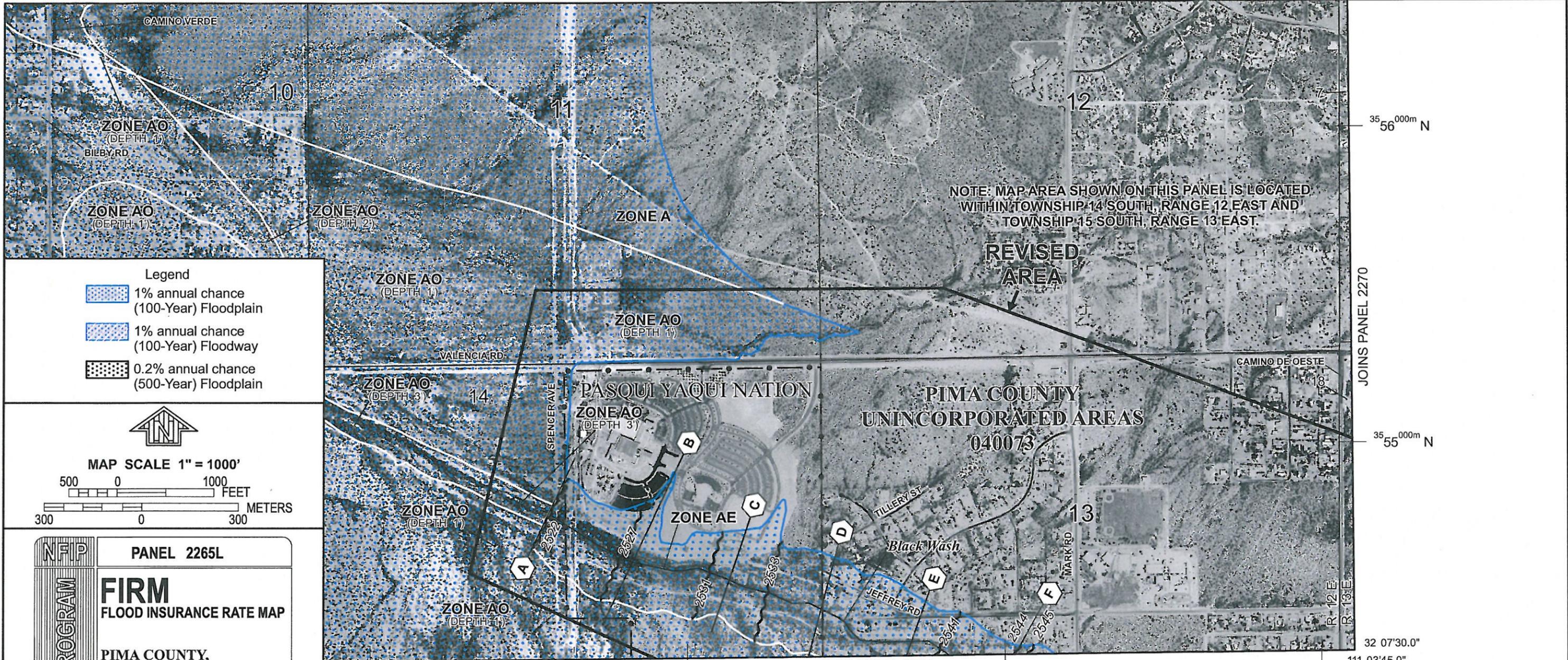
FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs)			
		10-PERCENT	2-PERCENT	1-PERCENT	0.2-PERCENT
<b>ANKLAM WASH</b>					
At Silverbell Road	3.0	1,360	3,450	4,500	*
<b>ARCADIA WASH</b>					
At Speedway Boulevard	2.26	*	*	2,450	*
At Pima Street	2.43	*	*	2,566	*
At Grant Road	2.53	*	*	2,617	*
At Rosemont Boulevard	1.94	*	*	2,587	*
At Craycroft Road	1.39	*	*	1,117	*
<b>ARROYO CHICO</b>					
At Kino Boulevard	5.6	*	*	3,605	*
At Tucson Boulevard	5.52	*	*	1,428	*
At Randolph Way	3.58	*	*	312	*
At Alvernon Way	0.7	*	*	986	*
<b>ATTERBURY WASH</b>					
Upstream of Confluence With Pantano Wash	N/A	*	*	4,200	*
<b>BIG WASH</b>					
Upstream of Confluence with Canada Del Oro Wash	110.0	5,700	13,500	18,300	31,000
Upstream of Confluence with Honey Bee Wash	89.9	5,200	12,400	16,900	28,000
<b>BLACK WASH</b>					
At downstream limit of detailed study (intersection of Tucson-Ajo and Old Highways, south of Tucson-Ajo Highway)	48.8	*	*	8,872	*
South of Tucson-Ajo Highway, West of Vahalla Road	26.4	*	*	4,904	*
At the middle of Section 9, north of Valencia Road and east of Vahalla Road	24.2	*	*	6,703	*
South of Valencia Road, downstream of Camino Rancho Road	22.5	*	*	4,962	*
South of Tucson-Ajo Highway, East of Vahalla Road	10.2	*	*	3,484	*
South of Tucson-Ajo Highway East of Wade Road	5.1	*	*	2,469	*
At intersection of Drexel and Sheridan Roads	0.8	*	*	1,319	*
South of Aho Highway West of Camino Verde Road	2.0	*	*	902	*

\*Data not available

**REVISED TO  
REFLECT LOMR  
EFFECTIVE: October 12, 2012**

REVISED  
DATA





**Legend**

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

**Map Scale** 1" = 1000'

500 0 1000 FEET

300 0 300 METERS

**NFIP** PANEL 2265L

**FIRM**  
FLOOD INSURANCE RATE MAP

PIMA COUNTY,  
ARIZONA  
AND INCORPORATED AREAS

PANEL 2265 OF 4750  
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
PIMA COUNTY	040073	2265	L

**REVISED TO REFLECT LOMR**  
**EFFECTIVE: October 12, 2012**

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**  
04019C2265L

**MAP REVISED**  
JUNE 16, 2011

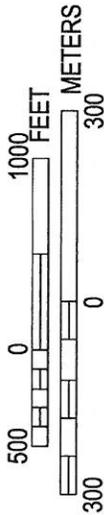
Federal Emergency Management Agency

Legend

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



MAP SCALE 1" = 1000'



**NATIONAL FLOOD INSURANCE PROGRAM**

**NFIP** PANEL 2270L

**FIRM**  
FLOOD INSURANCE RATE MAP

PIMA COUNTY,  
ARIZONA  
AND INCORPORATED AREAS

**PANEL 2270 OF 4750**  
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:  
COMMUNITY NUMBER PANEL SUBJECT  
PIMA COUNTY 040073 2270 L  
TUCSON, CITY OF 040076 2270 L

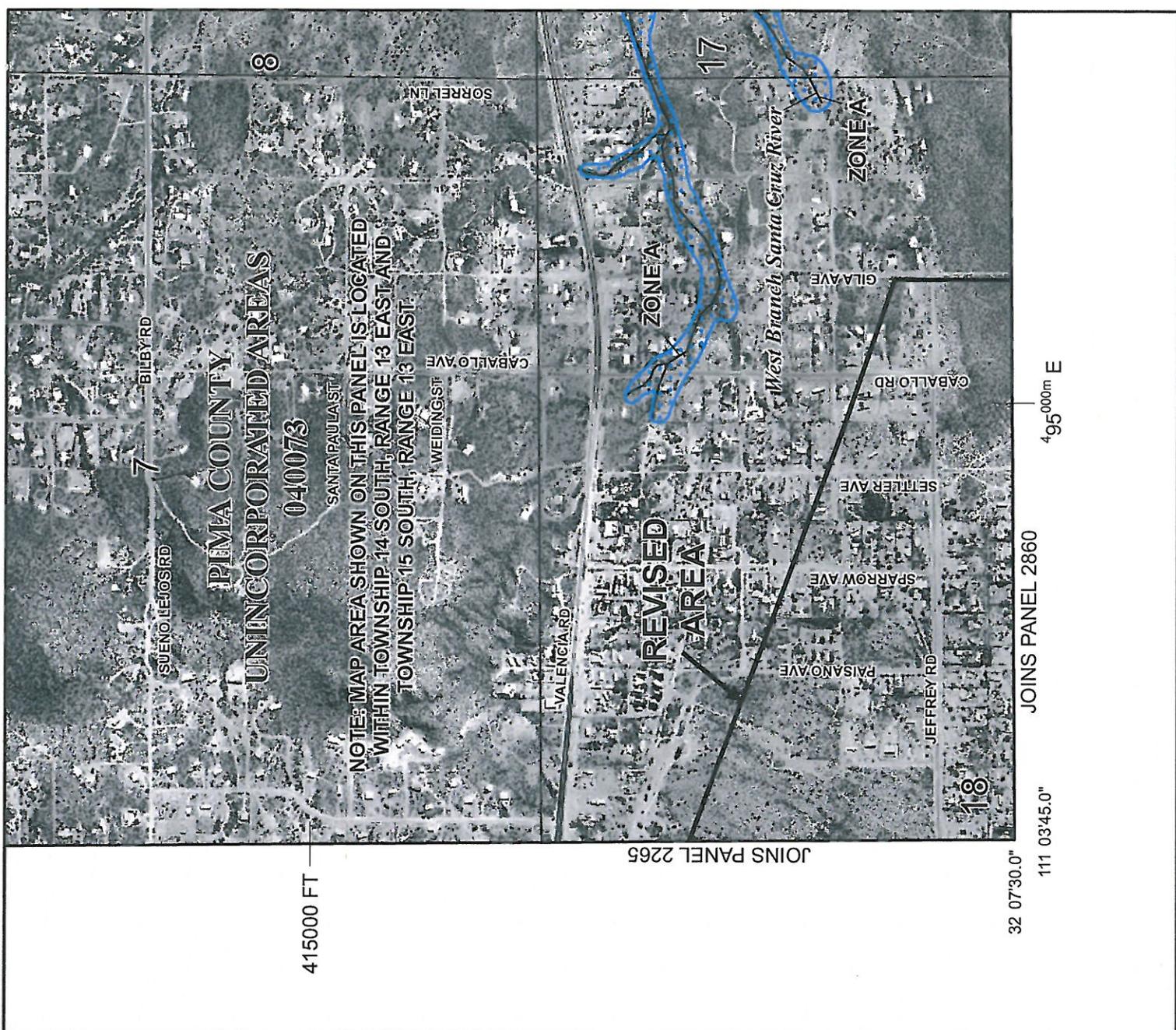
**REVISED TO REFLECT LOMR**  
**EFFECTIVE: October 12, 2012**

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**  
04019C2270L  
**MAP REVISED**  
JUNE 16, 2011



Federal Emergency Management Agency





**Legend**

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

**MAP SCALE 1" = 1000'**

**NATIONAL FLOOD INSURANCE PROGRAM**

**NFIP**

**PANEL 2860L**

**FIRM FLOOD INSURANCE RATE MAP**

**PIMA COUNTY, ARIZONA AND INCORPORATED AREAS**

**PANEL 2860 OF 4750**  
(SEE MAP INDEX FOR FIRM PANEL LAYOUT) CONTAINS:

COMMUNITY	NUMBER	PANEL SUFFIX
PIMA COUNTY	040073	2860 L
TUCSON, CITY OF	040076	2860 L

**REVISED TO REFLECT LOMR**  
**EFFECTIVE: October 12, 2012**

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 04019C2860L**  
**MAP REVISED JUNE 16, 2011**

Federal Emergency Management Agency

