



# Flood Control District of Maricopa County

## INTEROFFICE MEMORANDUM

**Date:** November 28, 2006

**To:** Timothy S. Phillips, P.E., Chief Engineer and General Manager

**From:** Kathryn Gross, CFM, Planning and Project Management Division

**Subject:** White Tank Alluvial Fan 37a Floodplain Delineation, performed by CVL

The floodplain study for the upper portion of White Tank Fan 37, also known as White Tank Fan 37a, is ready for use as the best available technical information. The study will be sent to FEMA shortly once the District and Town of Buckeye sign the FEMA forms.

The background on the study includes the following:

The study was performed by Coe and Van Loo Consulting Inc. (CVL) and was not under a District contract. CVL and the developer they are contracted with are stakeholders in the Buckeye/Sun Valley Area Drainage Master Study and Area Drainage Master Plan. The developers in the area were required to delineate the alluvial fan flood hazards impacting their properties when they chose not to wait for the District to perform the delineations as part of the Sun Valley Area Drainage Master Plan. This submittal represents the upstream portion of White Tank Fan 37 east of the Sun Valley Parkway. The other portion of the delineation will be delivered under separate cover by CVL. The study includes 3.2 square miles of Zone A Alluvial Fan Floodplains and Alluvial Fan Administrative Floodways. The delineation was performed using geomorphic methods. The District contracted with JEFuller Hydrology and Geomorphology to perform the reviews through an on-call contract.

Please concur and authorize below the use of this new study.

<i>Lynn M. Thomas</i> 11/28/06 Principal Engineer, Regulatory Division Date:	Timothy S. Phillips, P.E. Date: Chief Engineer and General Manager
Kathryn Gross 11/28/06 Floodplain Delineation Review Coordinator Date:	<i>Valerie A. Swick</i> 11/28/06 SVADMP/On-call Review Project Manager Date:
Jim Gray 11/28/06 Flood Delineation Branch Manager Date:	<i>Douglas A. Williams</i> Nov 28, 2006 Planning Branch Manager Date:
Robert A. Schubert Regulatory Division Manager	Donald H. ... 11/30/06 PPM Division Manager Date:

	Assistant Project Manager N/A Date:
File Copies: 1. _____ 2. _____	YES <input checked="" type="checkbox"/> GIS Posted (Pending Floodplain Only) Date: 1/20/06 N/A <input type="checkbox"/> No County Permits in this area Date:

# White Tank Alluvial Fan 37A



**Legend**

**37A\_zone**

**ZONE**

- A
- AAFF
- AFHH
- AFUFD
- AFZA
- Shaded X sections

**floodplainfema**

**ZONE**

- A
- AAFF
- AE
- AEFW
- AFHH
- AFW
- AFZA
- AH
- ANI
- AO
- FW

— arterial  
— street



Alluvial Fan Floodplain Zones  
AFHH, AFUFD, and AAFF are  
Administrative Floodway zones



# Federal Emergency Management Agency

Washington, D.C. 20472

MAR 30 2007

FLOOD CONTROL DISTRICT RECEIVED	
APR 05 '07	
CH & GM	FINANCE
PIO	LANDS
ADMIN	C & M
<input checked="" type="checkbox"/> REG	P & PM
ENG	FILE
CONTRACTS	
ROUTING	<i>LMT</i>

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

The Honorable David W. Wilcox  
Mayor, Town of Buckeye  
100 North Apache Road  
Buckeye, AZ 85326

Community: Town of Buckeye, AZ  
Community No.: 040039

Dear Mayor Wilcox:

This is in regard to a Letter of Map Revision (LOMR) request dated January 5, 2007, from Mr. Ricardo E. Aguirre, P.E., Coe & Van Loo Consultants, Inc., that the Department of Homeland Security's Federal Emergency Management Agency (FEMA) evaluate the effects that updated flood hazard data for White Tank Mountains Fan Site 37A, would have on the flood hazard information shown on the effective Flood Insurance Rate Map (FIRM) for your community. This LOMR request is referred to as Case No. 07-09-0574P and will affect FIRM panels 04013C1545 H, 1565 F, and 2010 H, for Maricopa County and Incorporated Areas, with the effective date of September 30, 2005. This letter is based on the best available flood hazard information and is intended to improve upon that shown on the effective FIRM.

We reviewed the submitted data enclosed in the application package (with appendixes) entitled "Approximate Flood Hazard Assessment for White Tank Fans - Alluvial Fan Site 37A (East of Sun Valley Parkway) - Technical Data Notebook," prepared for the Flood Control District of Maricopa County by Coe & Van Loo Consultants, Inc., dated October 12, 2006. We have determined that the submitted data meet the minimum floodplain management criteria of the National Flood Insurance Program (NFIP), but FEMA cannot issue a LOMR or Physical Map Revision at this time.

In accordance with Paragraph 60.3(b)(4) of the NFIP regulations (copy enclosed), we encourage your community to use the draft work map entitled "Figure 6B.12 - Stage 3 Floodplain Delineation Map," dated October 12, 2006, as the best available data for floodplain management purposes until such time as FEMA can physically revise the FIRM or issue a LOMR.

This letter is based on minimum floodplain management criteria established under the NFIP. Your community is responsible for approving all floodplain development and for ensuring all necessary permits required by Federal or State law have been received. State, county, and community officials, based on knowledge of local conditions and in the interest of safety, may set higher standards for construction in the Special Flood Hazard Area, the area subject to inundation by the base flood. If the State, county, or community has adopted more restrictive or comprehensive floodplain management criteria, these criteria take precedence over the minimum NFIP criteria.

If you have questions regarding floodplain management regulations for your community or the NFIP in general, please contact the Consultation Coordination Officer (CCO) for your community. Information on the CCO for your community may be obtained by calling the Director, Federal Insurance and Mitigation Division of FEMA in Oakland, California, at (510) 627-7175.

If you have questions regarding this letter, please call our Map Assistance Center, toll free, at 1-877-FEMA MAP (1-877-336-2627).

Sincerely,



Max H. Yuan, P.E., Project Engineer  
Engineering Management Section  
Mitigation Division

For: William R. Blanton Jr., CFM, Chief  
Engineering Management Section  
Mitigation Division

cc: The Honorable Max Wilson  
Chairman, Maricopa County  
Board of Supervisors

Mr. Timothy S. Phillips, P.E.  
Chief Engineer and General Manager  
Flood Control District of Maricopa County

Ms. Lynn M. Thomas, P.E., CFM  
Technical Supervisor  
Flood Control District of Maricopa County

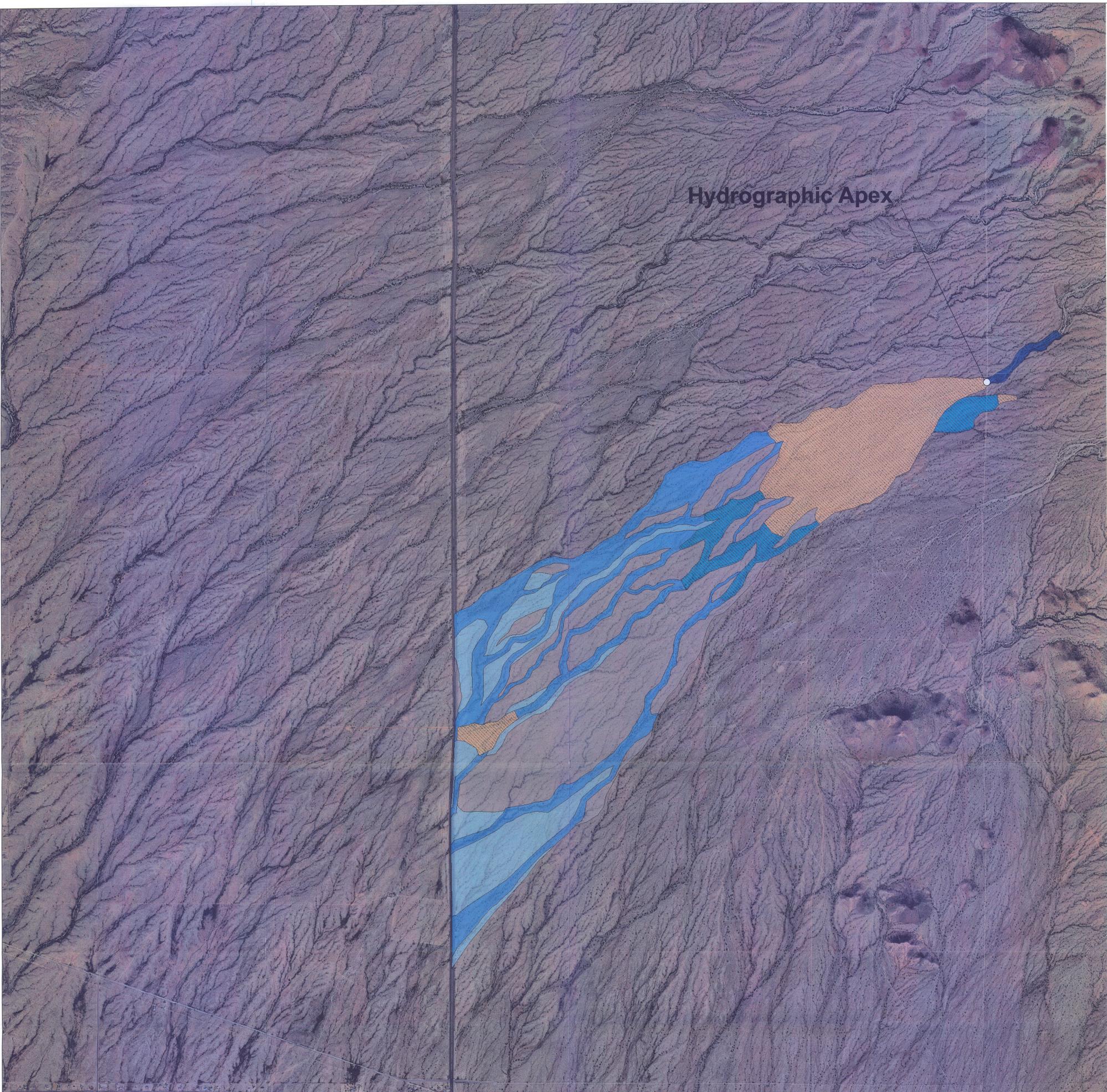
Mr. Ted Collins, CFM  
Principal Floodplain Coordinator  
Flood Control District of Maricopa County

Mr. Scott Lowe, P.E.  
Public Works Director  
Town of Buckeye

Mr. Brian Cosson, CFM  
NFIP Coordinator  
Office of Dam Safety and Flood Mitigation  
Arizona Department of Water Resources

Mr. Ricardo E. Aguirre, P.E.  
Coe & Van Loo Consultants, Inc.

# Hydrographic Apex



## Stage 3 - 100-year Flood Zone Map Flood Hazard Zones on 2004 Aerial Photography

COE & VAN LOO CONSULTANTS, INC.

### Legend

-  A
-  AFHH
-  AFUFD
-  AAFF
-  AFZA
-  Shaded X

### Description of Flood Hazard Zones

- A - Approximate 100-year floodplain; riverine reaches upstream of hydrographic apex, and previously mapped ponding area behind Buckeye FRS #1
- AFHH - Alluvial fan high hazard; community to treat as a floodway district
- AFUFD - Alluvial fan uncertain flow distribution area; transitional area downstream of AFHH zone characterized by channelized and sheet flooding generally becoming more stable and less uncertain with increasing distance from the AFHH zone; community to treat as a floodway district
- AAFF - Approximate Alluvial Fan Floodway; corridors for conveyance of water and sediment on a stable alluvial fan surface downstream of the AFHH and AFUFD zones; community to treat as a floodway district
- AFZA - Alluvial fan zone A; areas within the 100-year floodplain on an inactive alluvial fan characterized by shallow channelized flow and sheet flooding in stable channels; zone is considered approximate because no base flood elevations are provided; flood hazards within this zone are not necessarily equal throughout
- X (shaded) - Areas flooded between the 100-year and 500-year discharge; or areas of flooding with depth of 100-year flood less than 1 foot; or drainage areas less than 1 square mile

**PRELIMINARY MAPS**  
THE INFORMATION SHOWN ON THIS PRELIMINARY MAP IS THE BEST TECHNICAL INFORMATION AVAILABLE AT THIS TIME TO DETERMINE THE 100-YEAR FLOODPLAIN AND IS SUBJECT TO CHANGE.

