## NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The community map repository should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where Base Flood Elevations (BFEs) and/or floodways have been determined, users are encouraged to consult whe Flood Profiles and Floodway Data and/or Summary of Stilwater Elevation tables contained within the Flood Insurance Study (FIS) report that accompanie tables contained within the Flood Insurance Study (FIS) report that accompanies in FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-food elevations. These BFEs are intended of fixed insurance elevation information, accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Construction among recognition management.

Constated Base Flood Elevations shown on this map apply only landward of 0.0 North American Vertical Datum of 1988 (NAVID 88), Lusers of this FRIM should be aware that, coastal flood elevations are also provided in the Summary of Sillwater Elevations take in the Flood Insurance Study report for this justication. Elevations shown the Summary of Sillwater Elevations show the should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FRIM.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydrautic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this lurisdiction.

The projection used in the preparation of this map was Adzona Central Staft Plane zone PIPSCOME 02022, international Petc. The horizontal datum wait of Stafe Plane 2004 (Staff Plane) and the production of PIRMs for adjacent jurisdiction may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this PIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and North American Vertical Datum of 1988, valit the National Geodetic Survey website at http://www.ngs.ngaa.gov or contact the National Geodetic Survey at the following address:

NGS Information Services NOAA, N/NGS12 National Geodetic Survey SSMC-3, #92020 [inway 1315 East-West Highway Silver Spring, Maryland 20910-3282 (301) 713-3242

To obtain current elevation, description, and/or location information for bench marks shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242, or visit its website at http://www.ngs.noaa.gov.

Base map information shown on this FIRM was derived from multiple sources. Base map imagery for eastern Prima County was provided in digital format by the Prima Association of Covernments. These data were developed at 1-cod Ground Sample Distance (ISSD) from coder aetial photography flowin in 2002. Base map imagery for weether Prima County was derived from ISSGS language; available for the State of Altonia and produced at a scale of 1:12.000 from photography dated 2008 and 2007.

This map may reflect more detailed and up-to-date stream channel configurations than those shown on the previous FRM for this justicidion. The floodpains and floodpains that were trainered from the previous FRM may have been adjusted to conform to these new stream channel configurations. As a result, the Frood Profiles and Floodpain Class takes in the Friod Instruance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this may.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this may was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed Map Index for an overview map of the county showing the layout of map panels; community map repository addresses and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

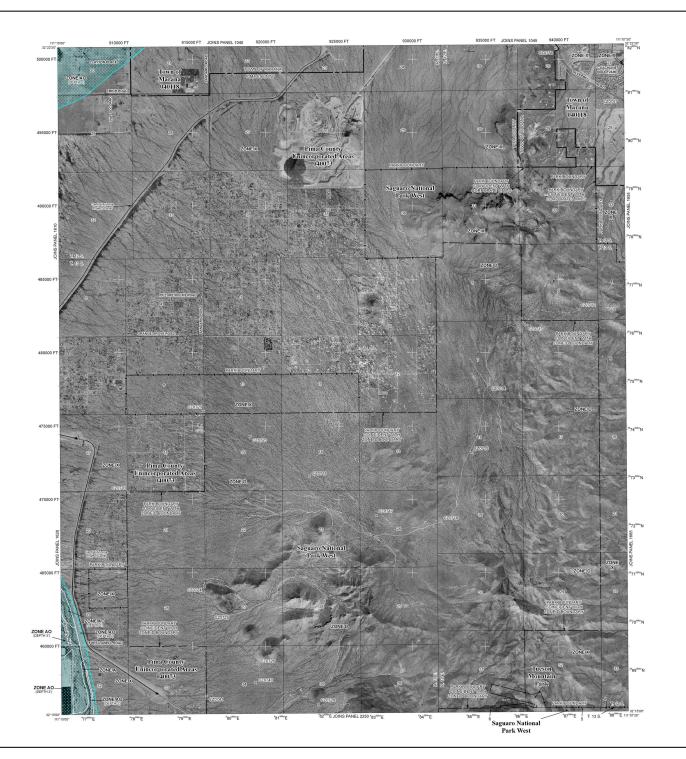
community is occured.

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For informative indicates associated with this FIRM, visit the Map Service Center (MSC) website at <a href="http://msc.tema.gov">http://msc.tema.gov</a>. Available products may include previously issued Letters of Map Change, a Brood insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the MSC website.

If you have questions about this map, how to order products, or the National Flood Insurance Program in general, please call the FEMA Map Information eXchange (FMIX) at 1-877-FEMA-MAP (1-877-38-2627) or visit the FEMA website at <a href="http://www.fema.gov/business/fnic">http://www.fema.gov/business/fnic</a>



**LEGEND** 

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual fitool (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any gleen year. The Spotal Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Amus of Spotal Flood Hazard Include Zones A, AE, AH, AO, RP, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A No Base Flood Elevations determined

ZONE AE Base Flood Elevations determined

ZONE A99

ZONE X

ZONED

Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Electrons determined

Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.

Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Blevations determined Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined. ZONEV

ZONE VE Coastal flood zone with velocity hazard (wave action); Base Flood

FLOODWAY AREAS IN ZONE AE

OTHER FLOOD AREAS

ZONE X Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 course mile; and areas protected by leves from 1% annual chance flood OTHER AREAS

> Areas determined to be outside the 0.2% annual chance floodplain Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are mally located within or adjacent to Special Flood Hazard Areas 1% annual chance floodplain boundary

0.2% annual chance floodplain boundary

Zone D boundary

CBRS and CPA boundary

Boundary dividing Special Flood Hazard Area Zones and Foundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities. -----

~~~ 513 ~~~ Base Flood Blevation line and value; elevation in feet\*

Base Flood Bevation value where uniform within zone; elevat in feet\* rican Vertical Datum of 1988 (EL 987)

(2)----(2)

87°07'45", 32°22'30" Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere

27600≈N 1000-meter Universal Transverse Mercator grid values, zone 600000 FT

5000-foot grid values: Arizona State Plane coordinate system, Central zone (FIPSZONE 0202), Transverse Mercator projection Bench mark (see explanation in Notes to Users section of this FIRM panel) DX5510 x

• M1.5 River Mile MAP REPOSITORY Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP

February 8, 1999 EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANE update corporate limits, to change Base Flood Elevations an odate map format, to add roads and road names, and to inc.

For community map revision history prior to countywide mapping, refer to the Comm. Map History table located in the Flood Insurance Study report for this turisdirties.



1000 0 2000 METERS

FIRM FLOOD INSURANCE RATE MAP

PIMA COUNTY,

ARIZONA AND INCORPORATED AREAS

PANEL 1650 OF 4750

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS COMMUNITY NUMBER PANEL SUFFIX MARANA, TOWN OF PIMA COUNTY

FILOTOPO INSTURZANTCE

040118 1650 L 040073 1650 L

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



MAP NUMBER 04019C1650L MAP REVISED JUNE 16, 2011

Federal Emergency Management Agency