## 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 Elevatio (BFEs) and/or floodways have been determined, users are encouraged to consthe Flood Profiles and Floodway Data and/or Summary of Stillwater Elevatic tables contained within the Flood Insurance Study (FIS) report that accompan tables contained within the Flood Insurance Study (FIS) report that accompanies the FIRM. Uses should be aware that BFEs shown on the FIRM represent for the FIRM the should be also that the property of the FIRM of the FIRM

constructions amount poloppian management.

Casastal Base Flood Elevations shown on this map apply only landward of 0.0 Noth American Vertical Datum of 1988 (NAVD 88), Users of this FRM should be aware that coastal flood elevations are desp provided in the Summary of Sillwater Elevations shall in the Summary of Sillwater Elevations shall be should be used the Construction and/or floodplain management purposes when they are higher than the elevations shown on this FRM.

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 Alzona Central State Plane zone FPSZONE 02021, international Pett. The horizontal datum was of the production of PRIA for adjacent justification of State Plane zone used in the production of PRIAN for adjacent justification may result in slight positional differences in map features across jurisdiction boundaries. These differences do naffect the accuracy of this PRIAN.

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, vasit 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 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 ISSG languagery available for the State of Alticona and produced at a scale of 1-12,000 from photography dated 2006 and 2007.

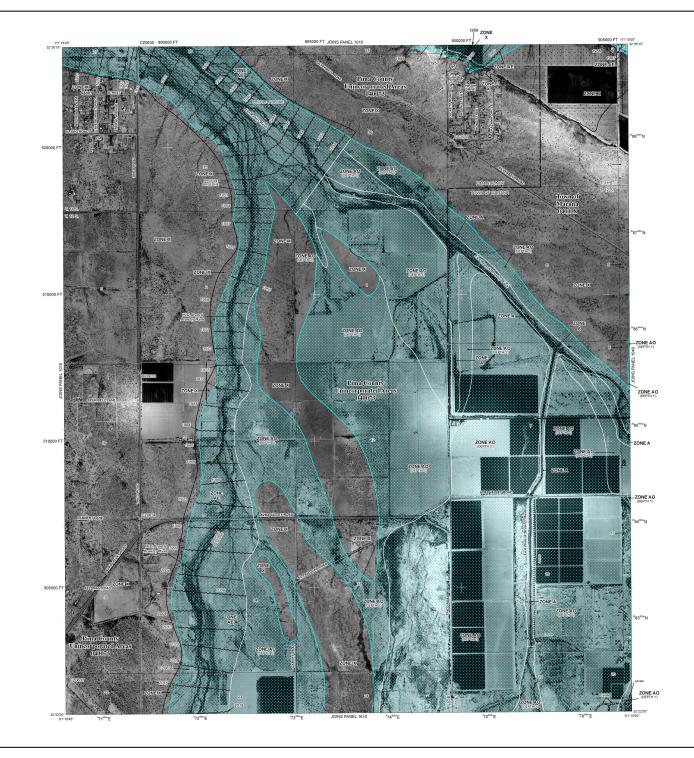
This map may reflect more detailed and up-to-date stream channel configurations than those shown on the previous FIRM for this jurisdiction. The flooqdans and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data ladder in the Flood Internance Study Report (which contains authorities the place) and the profile of the configuration of the co

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.

For information on available products associated with this FIRM, visit the Mar For imminision or available products associated with this Firsh, with the Map Service Center (MSC) website at <a href="https://msc.(ema.gov">https://msc.(ema.gov</a>. Available products may include previously issued Letters of Map Change, a Flood 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 (1-877-336-2627) or visit the FEMA website at <a href="http://www.fema.gov/business/infp.">http://www.fema.gov/business/infp.</a>



## LEGEND

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

The 1% annual flood (1,00-year flood), also lincen as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood lessand Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood lessand rules 2 cones. A, E, AH, AO, RA, 899, V, and VE. The Base Flood Elevation is the water-purface elevation of the 3% annual chance flood.

ZONE A No Base Flood Benations determined ZONE AE Base Flood Elevations determined.

Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations 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 Bevations determined. ZONE A99

Coestal flood zone with velocity hazard (wave action); no Base Flood Elevations determined. ZONE VE Coastal flood zone with velocity hazard (wave action); Base Flood

FLOODWAY AREAS IN ZONE AE

s the chennel of a stream plus any adjacent floodplain areas that must be kept free nt so that the 1% annual chance flood can be carried without substantial increases

OTHER FLOOD AREAS

ZONE

ZONE D

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 square mile; and areas protected by leves from 1% annual chance flood. ZONE X

> 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 CPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary

Floodway boundary

Zone D boundary ..... CBRS and OPA boundary

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

Limit of Moderate Wave Action ~~~ 513 ~~~ Base Flood Elevation line and value; elevation in feet\*

(EL 987) Referenced to the North (A)-

-(A) (2)----(2) Transect line 87°07'45", 32'22'30"

Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere 1000-meter Universal Transverse Mercator grid values, zone

5000-foot grid values: Arizona State Plane coordinate system, Central zone (FIPSZONE 0202), Transverse Mercator projection 600000 FT Bench mark (see explanation in Notes to Users section of this FIRM panel) DX5510 ×

• M1.5 River Mile

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

- to update corporate finits, to change Base Flood Elevations and Special Flood, to update map format, to add roads and road names, and to incorporate previous of Map Revision.

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

4 MAP SCALE 1" = 1000'

2000 FEET METERS

PANEL 1020L

**FIRM** FLOOD INSURANCE RATE MAP

PIMA COUNTY,

ARIZONA AND INCORPORATED AREAS

PANEL 1020 OF 4750

(SEE MAP INDEX FOR FIRM PANEL LAYOUT) CONTAINS NUMBER PANEL SUFFIX

COMMUNITY MARANA, TOWN OF PIMA COUNTY

FILOTOPO INSTURANCE

040118 1020 L 040073 1020 L



MAP NUMBER 04019C1020L MAP REVISED JUNE 16, 2011

Federal Emergency Management Agency