## 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 indicated information in ansas where Base Flood Elevations.

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Coastal Base Flood Elevations shown on this map apply only landward of 0.0 North American Vertical Datum of 1988 (NAVD 88), Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Sillivate Elevations table in the Flood Insurance Study sport for this jurisdiction. Bevarious factor in the Summary of Sillivate Elevations table on the Summary of Sillivate Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

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

The projection used in the preparation of this map was Arizona Central State Plane zone (FIPSZONE 0202), Infernational Feet. The horizontal datum was NAD 83, HPGNIHARN GRS80 spheroid. Differences in datum, spheroid, projection or State Plane zones used in the production of FIRMs for adjacent jurisdictions. may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

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 elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1928 and the website at 1855 (Novum na.noan.gov or contact the National Geodetic Survey at the following addition.)

NGS Information Services NOAA, N/NGS12 National Geodetic Survey SSMC-3, #9202

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 information from the first formation of the first fir

This map may reflect more detailed and up-to-date **stream channel** configurations than those shown on the previous FIRM for this justicidion. The floodpains and floodpains that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Prolless and Floodpains (based in the Flood Instruance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this may.

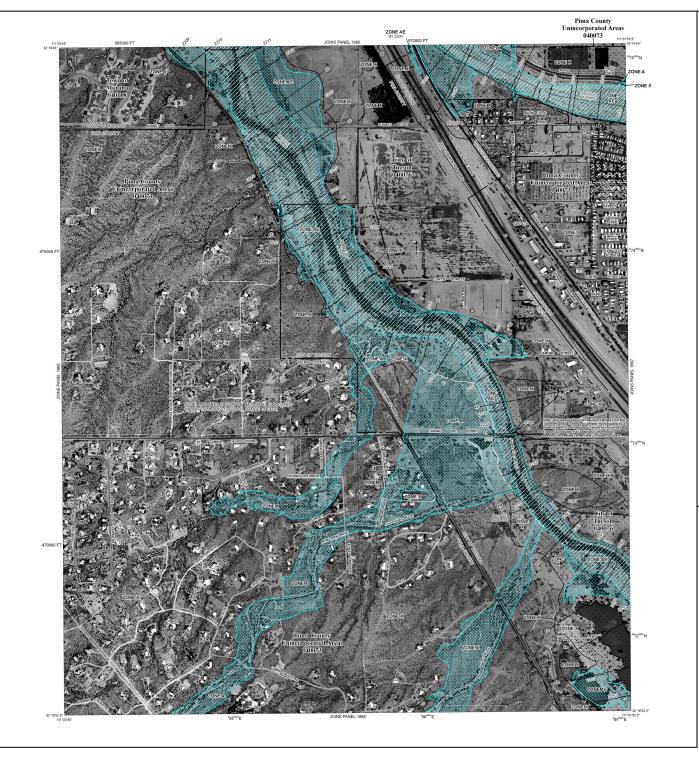
Corporate limits shown on this map are based on the best data available at the time of publication. Because charges due to annexations or de-annexations may have occurred after this may was published, map users should contact appropriate community officials to verify current corporate limit locations.

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 FIFM, visit the Map Service Center (MSC) website at <a href="http://msc.fema.gov">http://msc.fema.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 (FRIM) at 1-877-FEMA-MAP / 1-877-336-2527) or visit the FEMA website at <a href="https://www.fema.gov/business/infig.">https://www.fema.gov/business/infig.</a>

Accredited Levee Notes to Users: Check with your local community to obtain more information, such as the estimated level of protection provided (which may exceed the 1-percert-annual-chance-level) and Emergency Action Plan, on the levee system(s) shown as providing protection for areas on this panel. To mitigate levee system(s) shown as providing protection for areas on this panel. To mitigate fillod risk in residual risk areas, property owners and residents are encouraged to consider flood insurance and floodproofing or other protective measures. For more information on flood insurance, interested parties should visit the FEMA Website at <a href="http://www.fema.gov/business/rifipIndex.shtm">http://www.fema.gov/business/rifipIndex.shtm</a>.



**LEGEND** 

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INJUNDATION

BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% armail chance flood. Areas of Special Flood Hazard Index Cores A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONEA No Base Rood Elevations determined ZONE AE Base Flood Elevations determined.

ZONE AO

ZONE VE

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

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

oecomine.

Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system the was subsequently decentified. Zone AR indicates that the former flood cort orlystem is being restored to provide protection from the 1% annual chance or greater flood. ZONE A99

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

Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined. FLOODWAY AREAS IN ZONE AE

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

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 floot or with drainage areas less than 1 source mile; and areas protected by levees from 1% annual chance flood.

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 normally 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 OPA boundary

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

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

Base Flood Bevation value where uniform within zone; elevation in feet\* (EL 987) Referenced to the North A an Vertical Datum of 1988

Cross section line (i)-----(ii)

Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere 87"07'45", 32"22'30" 1000-meter Universal Transverse Mercator grid values, zone 276\*\*\*N

5000-foot grid values: Arizona State Plane coordinate system, Central zone (FIPSZONE 0202), Transverse Mercator projection

DX5510 x Bench mark (see explanation in Notes to Users section of this FTRM ranel) • M1.5 River Mile MAP REPOSITORY Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL pdate corporate limits, to change Base Flood Elevations and Special Flood date map format, to add roads and road names, and to incorporate previous!

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

MAP SCALE 1" = 500"

250 0 500 50 0 150 300

**FIRM** 

FLOOD INSURANCE RATE MAP

PIMA COUNTY, ARIZONA AND INCORPORATED AREAS

PANEL 1666 OF 4750

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS: COMMUNITY

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NUMBER PANEL SUFFIX 040118 1666 L 040073 1666 L 040076 1686 L



MAP NUMBER MAP REVISED JUNE 16, 2011

Federal Emergency Management Agency