PINAL COUNTY, ARIZONA EARTH FISSURE PLANNING MAP

by Todd Shipman

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Pinal County Earth Fissure Planning Map, Arizona:
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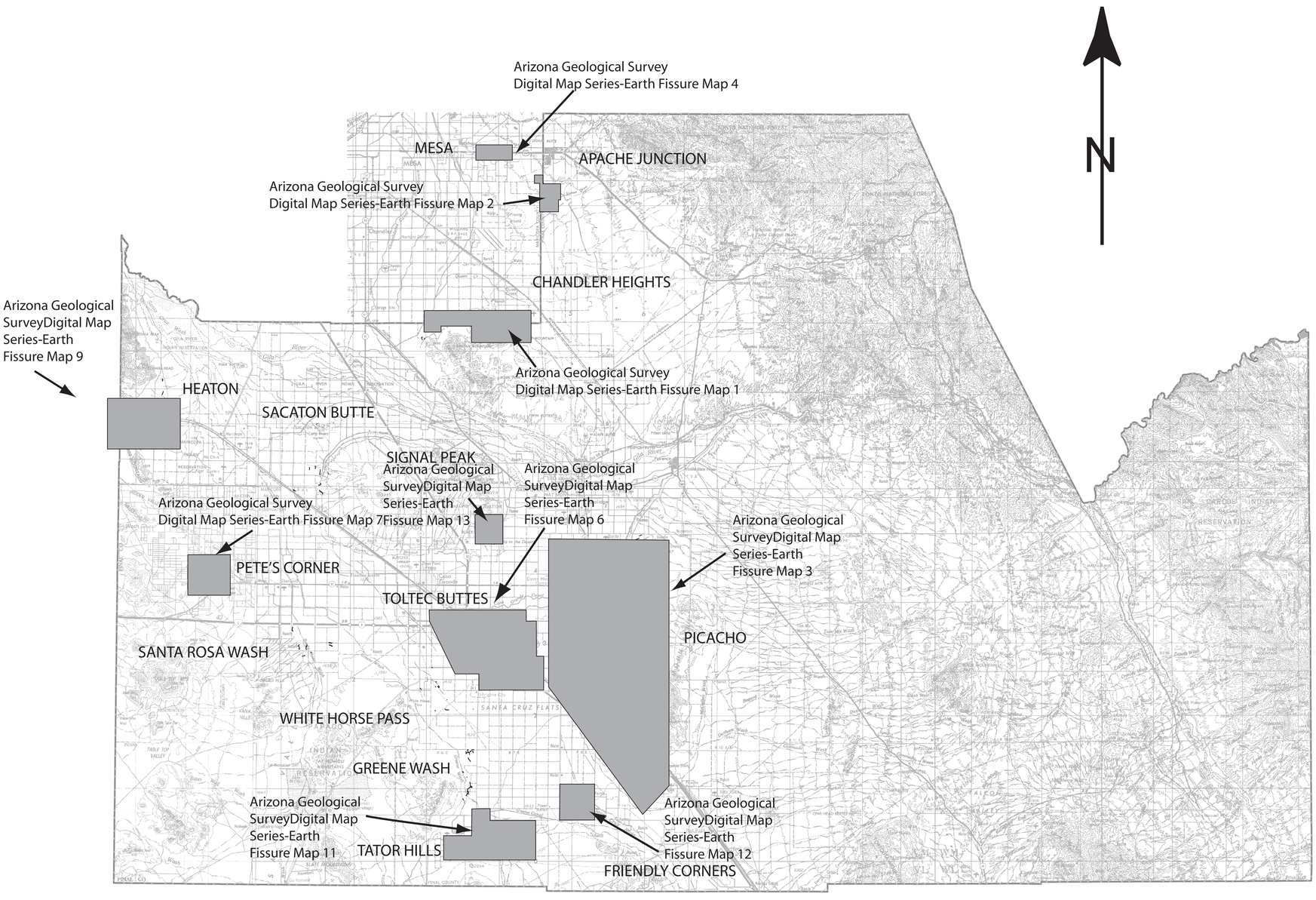
Sheet 1, scale 1:250,000



This map identifies known or reported earth fissures and indicates study areas for detailed mapping of the fissures by the Arizona Geological Survey. A 1:250,000 USGS topographic base in the background, shows the topography and major physiographic features. Enlargement of this map image does not improve the 1:250,000 scale location accuracy of the mapped features. This map should not be used for site specific evaluation.

Study areas were identified based on three criteria; 1) potential for rapid development of communities; 2) the presence of known or reported fissures; and 3) areas where rapid land subsidence has been reported.

Map Index

Black lines on this map represent the approximate location of earth fissures as interpreted on air photos or by field reconnaissance. Many of the earth fissures have not been verified on the ground. The map is incomplete due to 1) masking of fissures by development and agriculture, 2) ongoing changes in fissure length and geometry, 3) the presence of incipient fissures that lack surface expression, and 4) the potential that photogeologically mapped features are incorrectly identified as earth fissures. A blank area on the map does not necessarily mean earth fissures are not present.

County Line Boundary

PICACHO — Names identify areas that will be systematically and sequentially mapped by the AZGS.

Gray boxes define the area that have been mapped in detail and are available at http://azmap.org/fissures.

Scale 1:250,000

5 0 5 10 15 20 Statue Miles
5 0 5 10 15 20 25 30 Kilometers
5 0 5 10 Nautical Miles

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Topographic base from USGS 1:250,000 scale maps; Ajo, Phoenix, Mesa, and Tucson.
Contour interval 200 feet with supplementary contours at 100 foot intervals,