

Earth Fissure Map of Maricopa County, Arizona

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Arizona Geological Survey

Digital Map Series - Earth Fissure Map 17 (DM-EF-17)

For more detailed maps, see these other publications:
Earth Fissure Map of the Chandler Heights Study Area: Pinal and Maricopa Counties, Arizona, August 2008, Arizona Geological Survey Digital Map Series - Earth Fissure Map 1 (DM-EF-1)

Earth Fissure Map of the Apache Junction Study Area: Pinal and Maricopa Counties, Arizona, April 2008, Arizona Geological Survey Digital Map Series - Earth Fissure Map 2 (DM-EF-2)

Earth Fissure Map of the Mesa Study Area: Maricopa County, Arizona, August 2008, Arizona Geological Survey Digital Map Series - Earth Fissure Map 4 (DM-EF-4)

Earth Fissure Map of the Scottsdale Study Area: Maricopa County, Arizona, August 2008, Arizona Geological Survey Digital Map Series - Earth Fissure Map 5 (DM-EF-5)

Earth Fissure Map of the Luke Study Area: Maricopa County, Arizona, February 2009, Arizona Geological Survey Digital Map Series - Earth Fissure Map 8 (DM-EF-8)

Earth Fissure Map of the Heaton Study Area: Pinal and Maricopa Counties, Arizona, February 2009, Arizona Geological Survey Digital Map Series - Earth Fissure Map 9 (DM-EF-9)

Earth Fissure Map of the Wintersburg Study Area: Maricopa County, Arizona, February 2009, Arizona Geological Survey Digital Map Series - Earth Fissure Map 10 (DM-EF-10)

Earth Fissure Map of the Harquahala Study Area: Maricopa County, Arizona, June 2009, Arizona Geological Survey Digital Map Series - Earth Fissure Map 14 (DM-EF-14)

NOTICE
THE STATE OF ARIZONA HAS MADE A REASONABLE EFFORT TO ENSURE THE ACCURACY OF THIS MAP WHEN IT WAS PRODUCED, BUT ERRORS MAY BE PRESENT AND THE STATE OF ARIZONA DOES NOT GUARANTEE ITS ACCURACY. THE MAP SUPPLEMENTS, AND IS NOT A SUBSTITUTE FOR, A PROFESSIONAL INSPECTION OF PROPERTY FOR DEFECTS AND CONDITIONS.

This is one of a series of earth fissure maps prepared by the Arizona Geological Survey ("AZGS") in accordance with Ariz. Rev. Stat. § 27-152.01(3). AZGS collected location information from previously conducted earth fissure studies, reviewed available remote-sensing aerial and satellite imagery, and conducted surface site investigations throughout the study area. A reasonable effort was made to identify all earth fissures in the study area. Nonetheless, some fissures may remain unmapped as a result of one or more of the following:

- 1) existing fissures may have been masked by construction or agricultural activities;
- 2) incipient fissures may lack clear surface expression;
- 3) the surface expression of fissures changes constantly as new earth fissures develop and old earth fissures fill in.

A blank area on the map does not guarantee earth fissures are not present. However, blank areas within the study area boundary have been investigated, and no surface evidence of fissures was found as of the date of map publication. Determining the presence or absence of a fissure at any specific site may require additional mapping and/or geotechnical analysis.

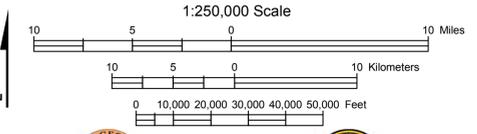
Shaded relief basemap produced from 10m NED Digital Elevation Model
Topographic basemap from USGS 1:250,000-scale quadrangle series Originally published 1954, revised 1989
Map projection: Universal Transverse Mercator, zone 12, North American Datum of 1983 HARN

MAP EXPLANATION

- Solid black lines represent the location of continuous earth fissures manifested as open cracks or gullies.
- Solid red lines represent the location of discontinuous earth fissures manifested as elongated or circular depressions or as abbreviated or irregular linear depressions. These discontinuous surface features frequently represent an incipient surface expression of an earth fissure.
- Dashed green lines represent the approximate locations of unconfirmed earth fissures, defined as fissures which could not be confirmed by surface investigations by AZGS geologists, but which have been previously reported by Professional Geologists in published documents or maps.
- The outline of the Study Area is shown in blue. Historical and modern aerial photos taken within this area were searched for anomalous lineaments. These lineaments were then investigated in the field to determine if there was any evidence of earth fissures.

Location Map

Maricopa County highlighted in blue



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