

Earth Fissure Map of the McMullen Valley Study Area: Maricopa and La Paz County, Arizona

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Arizona Geological Survey

Digital Map Series - Earth Fissure Map 28 (DM-EF-28)

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.

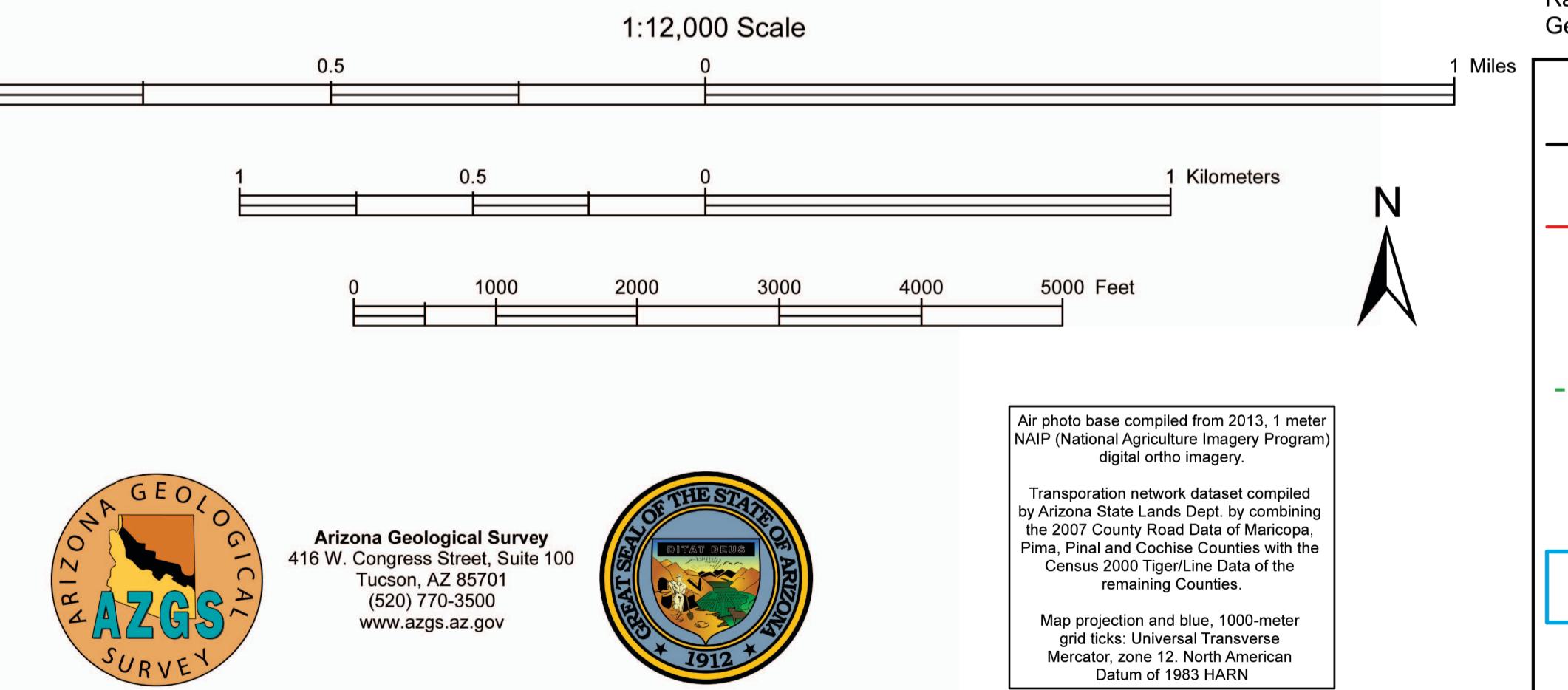
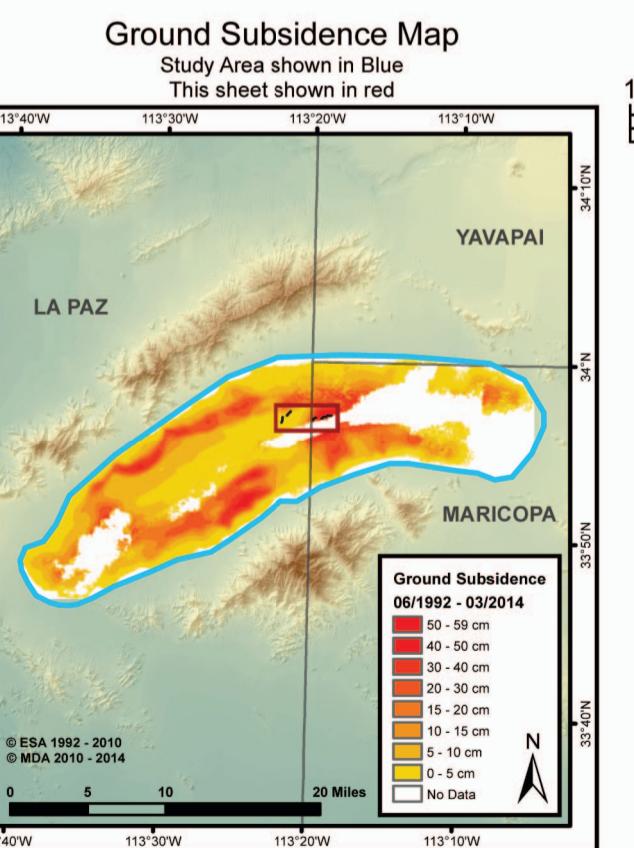
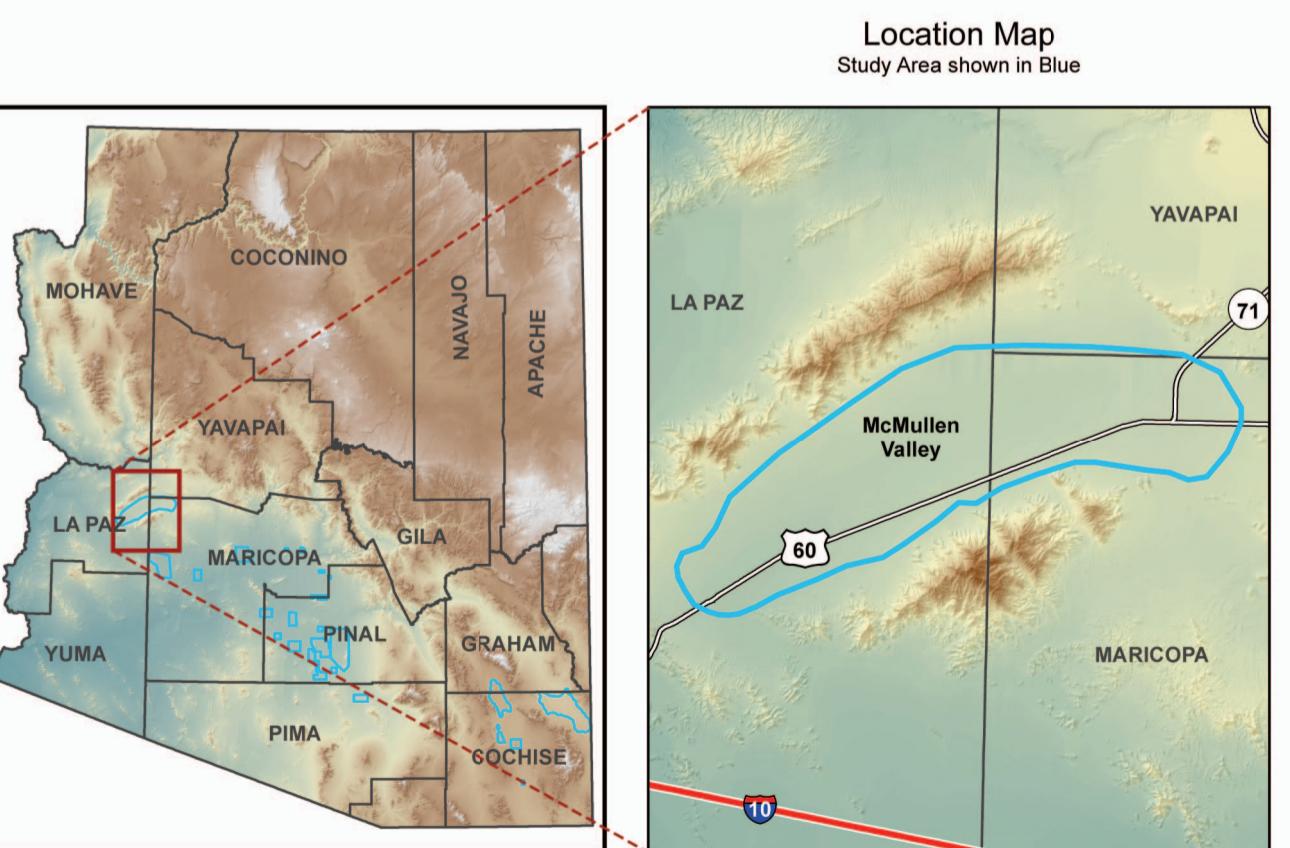
Introduction

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.

References

Arizona Department of Water Resources (ADWR), 2014, ERS-1 and 2, Envisat, and Radarsat-2 Interferometric Synthetic Aperture Radar, Hydrology, Geophysics/Surveying Unit



Subsidence data provided by the Arizona Department of Water Resources (ADWR) Interferometric Synthetic Aperture Radar (InSAR), Hydrology, and Geophysics/Surveying Unit. Subsidence data for other locations and time periods is accessible at <http://www.azwater.gov/AzDWR/Hydrology/GroundwaterandLandSubsidence.htm>. Shaded relief basemap produced from 10m NED Digital Elevation Model.