



Land Subsidence Rate in Western Metropolitan Phoenix, Maricopa County
 Based on ERS-1 and 2 Satellite Interferometric Synthetic Aperture Radar (InSAR) Data
 Time Period of Analysis: 8.2 Years 07/10/1992 To 10/30/2000

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Explanation

07/10/1992 To 10/30/2000

Land Subsidence Rate

White	Decorrelation/No Data
Dark Brown	Greater 7 cm/yr (2.8 in/yr)
Medium Brown	5 - 7 cm/yr (2.0 - 2.8 in/yr)
Light Brown	3 - 5 cm/yr (1.2 - 2.0 in/yr)
Orange	2 - 3 cm/yr (0.8 - 1.2 in/yr)
Yellow-Orange	1 - 2 cm/yr (0.4 - 0.8 in/yr)
Yellow	0.5 - 1 cm/yr (0.2 - 0.4 in/yr)
Light Yellow	0 - 0.5 cm/yr (0 - 0.2 in/yr)

- Subsidence Feature
- Hardrock
- Earth Fissures
- CAP Canal
- Highways and Interstates**
- Interstate
- US
- State
- Roads



0 1.25 2.5 5 7.5 10 Miles

Decorrelation (white areas) are areas where the phase of the received satellite signal changed between satellite passes, causing the data to be unusable. This occurs in areas where the land surface has been disturbed (i.e. bodies of water, snow, agriculture areas, areas of development, etc).

Earth fissures were mapped by the Arizona Geological Survey. For information on earth fissures visit: www.azgs.gov/EFC

Coordinate System: NAD 1983 UTM Zone 12N
 Projection: Transverse Mercator
 Datum: North American 1983
 Units: Meter
 Created: 1/5/2015

