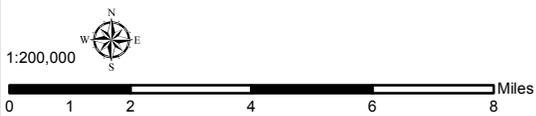


Total Land Subsidence in the Harquahala Valley, Maricopa County
 Based on Radarsat-2 Satellite Interferometric Synthetic Aperture Radar (InSAR) Data
 Time Period of Analysis: 3.9 Years 05/01/2010 To 03/17/2014

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Explanation
 05/01/2010 To 03/17/2014

Decorrelation/No Data	Subsidence Feature
Greater 40 cm (15.7 in)	Hardrock
25 - 40 cm (9.8 - 15.7 in)	Earth Fissures
15 - 25 cm (5.9 - 9.8 in)	CAP Canal
10 - 15 cm (3.9 - 5.9 in)	Highways and Interstates
6 - 10 cm (2.4 - 3.9 in)	Interstate
4 - 6 cm (1.6 - 2.4 in)	US
2 - 4 cm (0.8 - 1.6 in)	State
1 - 2 cm (0.4 - 0.8 in)	Roads
0 - 1 cm (0 - 0.4 in)	Railway



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

