

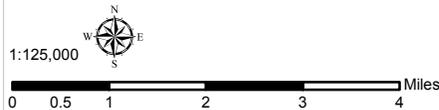
Total Land Subsidence in the Northeast Phoenix and Scottsdale Areas, Maricopa County  
Based on ALOS-1 Satellite Interferometric Synthetic Aperture Radar (InSAR) Data

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Time Period of Analysis: 3.1 Years 11/15/2007 To 01/08/2011

**Explanation**

11/15/2007 To 01/08/2011	Subsidence Feature
<b>Total Land Subsidence</b>	Hardrock
Decorrelation/No Data	Earth Fissures
Greater 40 cm (15.7 in)	CAP Canal
25 - 40 cm (9.8 - 15.7 in)	<b>Highways and Interstates</b>
15 - 25 cm (5.9 - 9.8 in)	Interstate
10 - 15 cm (3.9 - 5.9 in)	US
6 - 10 cm (2.4 - 3.9 in)	State
4 - 6 cm (1.6 - 2.4 in)	Roads
2 - 4 cm (0.8 - 1.6 in)	
1 - 2 cm (0.4 - 0.8 in)	
0 - 1 cm (0 - 0.4 in)	



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](http://www.azgs.gov/EFC)

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

