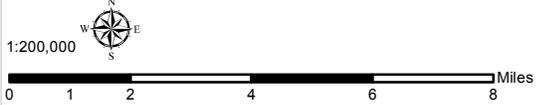


Total Land Subsidence in the Harquahala Valley, Maricopa County
 Based on Radarsat-2 Satellite Interferometric Synthetic Aperture Radar (InSAR) Data
 Time Period of Analysis: 2.0 Years 03/17/2014 To 03/30/2016

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Explanation

- | | |
|---------------------------------|---------------------------------|
| 03/17/2014 To 03/30/2016 | Subsidence Feature |
| Total Land Subsidence | Earth Fissures |
| Decorrelation/No Data | Hardrock |
| Greater 40 cm (15.7 in) | CAP Canal |
| 25 - 40 cm (9.8 - 15.7 in) | Highways and Interstates |
| 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) | Railway |
| 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

Coordinate System: NAD 1983 UTM Zone 12N
 Projection: Transverse Mercator
 Datum: North American 1983
 Units: Meter
 Created: 5/13/2016

