

**Land Subsidence Rate in the Harquahala Valley, Maricopa County**  
**Based on Radarsat-2 Satellite Interferometric Synthetic Aperture Radar (InSAR) Data**  
**Time Period of Analysis: 1.0 Years 04/08/2019 To 04/26/2020**

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**Explanation**

**04/08/2019 To 04/26/2020**

**Land Subsidence Rate**

	Decorrelation/No Data
	Greater 7 cm/yr (2.8 in/yr)
	5 - 7 cm/yr (2.0 - 2.8 in/yr)
	3 - 5 cm/yr (1.2 - 2.0 in/yr)
	2 - 3 cm/yr (0.8 - 1.2 in/yr)
	1 - 2 cm/yr (0.4 - 0.8 in/yr)
	0.5 - 1 cm/yr (0.2 - 0.4 in/yr)
	0 - 0.5 cm/yr (0 - 0.2 in/yr)

Subsidence Feature

Hardrock

Earth Fissures

CAP Canal

**Highways and Interstates**

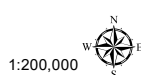
Interstate

US

State

Roads

Railway



1:200,000  
 0 1 2 4 6 8 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](http://www.azgs.gov/EFC)

Coordinate System: NAD 1983 UTM Zone 12N  
 Projection: Transverse Mercator  
 Datum: North American 1983  
 Units: Meter  
 Created: 5/21/2020

