



Land Subsidence Rate in the Sahuarita and Green Valley Areas, Pima County
 Based on Envisat Satellite Interferometric Synthetic Aperture Radar (InSAR) Data
 Time Period of Analysis: 1.1 Years 02/23/2007 To 03/14/2008

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Explanation

02/23/2007 To 03/14/2008

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

CAP Canal

Highways and Interstates

Interstate

US

State

Roads

Railway



1:125,000
 0 0.5 1 2 3 4 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).

Coordinate System: NAD 1983 UTM Zone 12N
 Projection: Transverse Mercator
 Datum: North American 1983
 Units: Meter
 Created: 11/17/2014

