



Total Land Subsidence in the Sahuarita and Green Valley Areas, Pima County  
Based on Envisat Satellite Interferometric Synthetic Aperture Radar (InSAR) Data  
Time Period of Analysis: 0.9 Years 02/27/2009 To 01/08/2010

© ESA 2009 - 2010

### Explanation

02/27/2009 To 01/08/2010

#### Total Land Subsidence

|                            |
|----------------------------|
| Decorrelation/No Data      |
| Greater 40 cm (15.7 in)    |
| 25 - 40 cm (9.8 - 15.7 in) |
| 15 - 25 cm (5.9 - 9.8 in)  |
| 10 - 15 cm (3.9 - 5.9 in)  |
| 6 - 10 cm (2.4 - 3.9 in)   |
| 4 - 6 cm (1.6 - 2.4 in)    |
| 2 - 4 cm (0.8 - 1.6 in)    |
| 1 - 2 cm (0.4 - 0.8 in)    |
| 0 - 1 cm (0 - 0.4 in)      |

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

