Total Land Subsidence in the Tucson Metropolitan Area

Based on Radarsat-2 Satellite Interferometric Synthetic Aperture Radar (InSAR) Data

Time Period of Analysis: 5.8 Years 05/15/2010 To 02/01/2016

Explanation

<table>
<thead>
<tr>
<th>Subsidence Feature</th>
<th>Decorrelation/No Data</th>
<th>Greater 40 cm (15.7 in)</th>
<th>25 - 40 cm (9.8 - 15.7 in)</th>
<th>15 - 25 cm (5.9 - 9.8 in)</th>
<th>10 - 15 cm (3.9 - 5.9 in)</th>
<th>6 - 10 cm (2.4 - 3.9 in)</th>
<th>4 - 6 cm (1.6 - 2.4 in)</th>
<th>2 - 4 cm (0.8 - 1.6 in)</th>
<th>1 - 2 cm (0.4 - 0.8 in)</th>
<th>0 - 1 cm (0 - 0.4 in)</th>
</tr>
</thead>
</table>

Coordinate System: NAD 1983 UTM Zone 12N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter
Created: 5/15/2016

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).

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Total Land Subsidence Feature
- Hardrock
- Highways and Interstates
- Interstate
- US
- State
- Roads
- Railway