

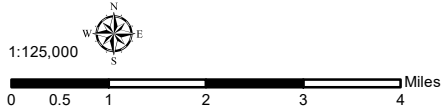
**Total Land Subsidence in the Sahuarita and Green Valley Areas, Pima County
Based on Radarsat-2 Satellite Interferometric Synthetic Aperture Radar (InSAR) Data**

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Time Period of Analysis: 10.8 Years 05/15/2010 To 03/18/2021

Explanation

05/15/2010 To 03/18/2021	Subsidence Feature
Total Land Subsidence	Hardrock
Decorrelation/No Data	CAP Canal
Greater 40 cm (15.7 in)	Highways and Interstates
25 - 40 cm (9.8 - 15.7 in)	Interstate
15 - 25 cm (5.9 - 9.8 in)	US
10 - 15 cm (3.9 - 5.9 in)	State
6 - 10 cm (2.4 - 3.9 in)	Roads
4 - 6 cm (1.6 - 2.4 in)	Railway
2 - 4 cm (0.8 - 1.6 in)	
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).

Coordinate System: NAD 1983 UTM Zone 12N
 Projection: Transverse Mercator
 Datum: North American 1983
 Units: Meter
 Created: 6/25/2021

