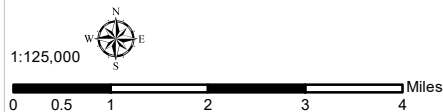


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**Total Land Subsidence in the Tucson Metropolitan Area**  
 Based on Radarsat-2 Satellite Interferometric Synthetic Aperture Radar (InSAR) Data  
 Time Period of Analysis: 1.0 Years 04/03/2018 To 03/29/2019

**Explanation**

<b>04/03/2018 To 03/29/2019</b>	Subsidence Feature
<b>Total Land Subsidence</b>	Hardrock
Decorrelation/No Data	<b>Highways and Interstates</b>
Greater 40 cm (15.7 in)	Interstate
25 - 40 cm (9.8 - 15.7 in)	US
15 - 25 cm (5.9 - 9.8 in)	State
10 - 15 cm (3.9 - 5.9 in)	Roads
6 - 10 cm (2.4 - 3.9 in)	Railway
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)	



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: 6/9/2019

