

Total Land Subsidence in the Tucson Metropolitan Area
 Based on Radarsat-2 Satellite Interferometric Synthetic Aperture Radar (InSAR) Data
 Time Period of Analysis: 14.0 Years 05/15/2010 To 04/19/2024

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Explanation

05/15/2010 To 04/19/2024

Total Land Subsidence

Decorelation/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

Highways and Interstates

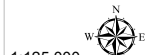
Interstate

US

State

Roads

Railway



1:125,000

0 0.5 1 2 3 4 Miles

Decorelation (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: 5/3/2024

