

Total Land Subsidence in the Rainbow Valley Area, Maricopa County
Based on Radarsat-2 Satellite Interferometric Synthetic Aperture Radar (InSAR) Data
Time Period of Analysis: 1.0 Years 04/07/2025 To 04/02/2026

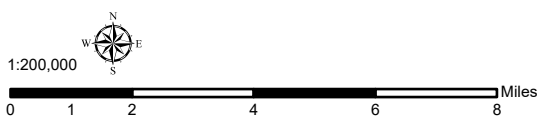
© MDA 2025 - 2026

Explanation

04/07/2025 To 04/02/2026

Total Land Subsidence

| Decorelation/No Data | Subsidence Feature |
|----------------------------|---------------------------------|
| Greater 40 cm (15.7 in) | Subsidence Feature |
| 25 - 40 cm (9.8 - 15.7 in) | Hardrock |
| 15 - 25 cm (5.9 - 9.8 in) | Highways and Interstates |
| 10 - 15 cm (3.9 - 5.9 in) | Interstate |
| 6 - 10 cm (2.4 - 3.9 in) | US |
| 4 - 6 cm (1.6 - 2.4 in) | State |
| 2 - 4 cm (0.8 - 1.6 in) | Roads |
| 1 - 2 cm (0.4 - 0.8 in) | |
| 0 - 1 cm (0 - 0.4 in) | |



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: 5/8/2026

