Land Subsidence Rate in Western Metropolitan Phoenix, Maricopa County
Based on Radarsat-2 Satellite Interferometric Synthetic Aperture Radar (InSAR) Data
Time Period of Analysis: 1.0 Years 05/22/2021 To 05/17/2022

Explanation
05/22/2021 To 05/17/2022
Land Subsidence Rate
Decorrelation/No Data
Greater 7 cm/yr (2.8 in/yr)
5 - 7 cm/yr (2.0 - 2.8 in/yr)
3 - 5 cm/yr (1.2 - 2.0 in/yr)
2 - 3 cm/yr (0.8 - 1.2 in/yr)
1 - 2 cm/yr (0.4 - 0.8 in/yr)
0.5 - 1 cm/yr (0.2 - 0.4 in/yr)
0 - 0.5 cm/yr (0 - 0.2 in/yr)

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).

Earth fissures were mapped by the Arizona Geological Survey. For information on earth fissures visit: www.azgs.az.gov/EFC

Highways and Interstates
- Interstate
- US
- State
- Roads

Coordinate System: NAD 1983 UTM Zone 12N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter
Created: 5/23/2022