Land Subsidence Rate in the Gila Bend Area, Maricopa County
Based on Radarsat-2 Satellite Interferometric Synthetic Aperture Radar (InSAR) Data

Time Period of Analysis: 5.0 Years 06/19/2013 To 05/24/2018

Explanation
06/19/2013 To 05/24/2018

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)

Subsidence Feature
Hardrock
Highways and Interstates

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

Coordinate System: NAD 1983 UTM Zone 12N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter
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