Land Rate Subsidence in the Gila Bend Area, Maricopa County

Based on Sentinel-1 Satellite Interferometric Synthetic Aperture Radar (InSAR) Data

Time Period of Analysis: 1.0 Years 05/20/2021 To 05/03/2022

Explanation
05/20/2021 To 05/03/2022

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 - 2.5 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).

Coordinate System: NAD 1983 UTM Zone 12N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter
Created: 6/5/2022