Total Land Subsidence in the McMullen Valley, La Paz and Maricopa Counties

Based on ALOS-2 Satellite Interferometric Synthetic Aperture Radar (InSAR) Data

Time Period of Analysis: 2.0 Years 03/14/2015 To 03/11/2017

Subsidence Feature

Decorrelation/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)

Earth Fissures

Highways and Interstates

Interstate
US
State
Rocks
Railway

Coordinate System: NAD 1983 UTM Zone 12N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter
Created: 12/11/2017

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