



Total Land Subsidence in the Fort Grant Rd and Willcox Areas, Cochise and Graham Counties
Based on Radarsat-2 Satellite Interferometric Synthetic Aperture Radar (InSAR) Data

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Time Period of Analysis: 6.0 Years 05/05/2010 To 04/03/2016

Explanation

05/05/2010 To 04/03/2016

Total Land Subsidence

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)

Subsidence Feature

Hardrock

Earth Fissures

Highways and Interstates

Interstate

US

State

Roads

Railway

1:225,840



0 1.25 2.5 5 7.5 10 Miles

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.gov/EFC

Coordinate System: NAD 1983 UTM Zone 12N

Projection: Transverse Mercator

Datum: North American 1983

Units: Meter

Created: 11/14/2016

