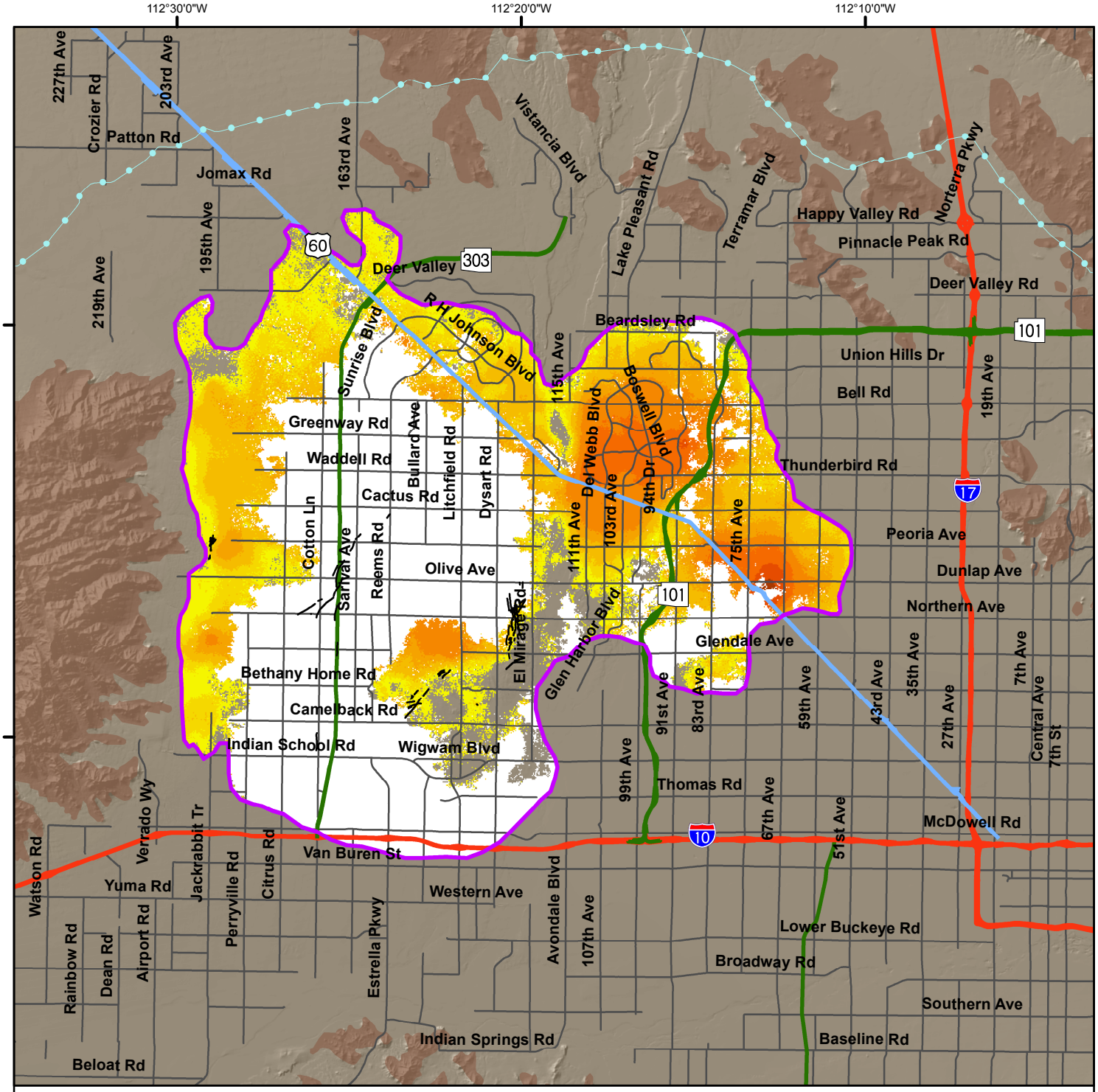

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Total Land Subsidence in Western Metropolitan Phoenix, Maricopa County
Based on ERS-1 and 2 Satellite Interferometric Synthetic Aperture Radar (InSAR) Data

Time Period of Analysis: 8.2 Years 07/10/1992 To 10/30/2000

Explanation

07/10/1992 To 10/30/2000

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
- CAP Canal

Highways and Interstates

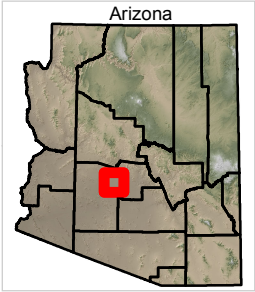
- Interstate
- US
- State
- Roads

1:250,000

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.az.gov/EFC



Coordinate System: NAD 1983 UTM Zone 12N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter
Created: 1/5/2015