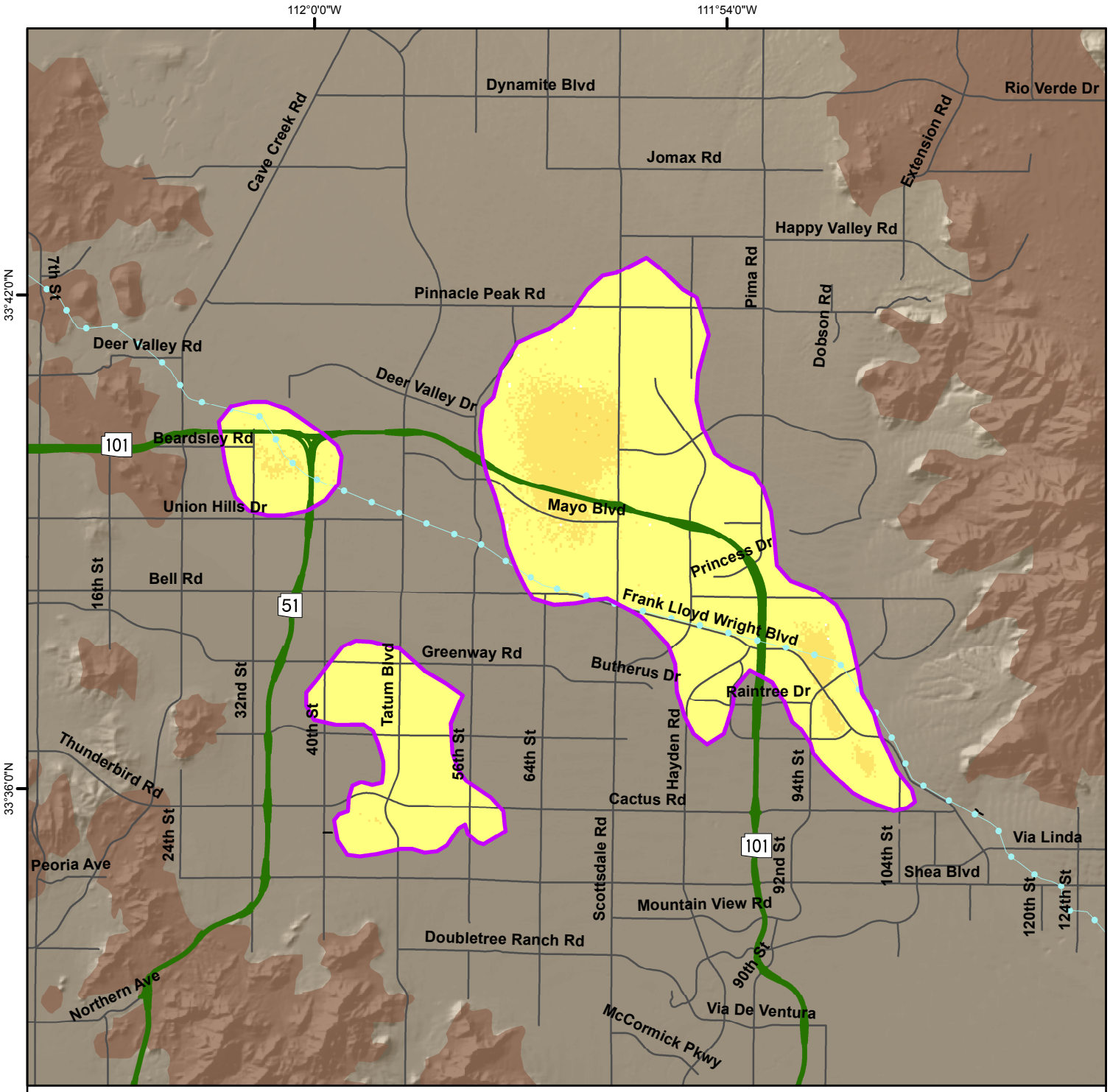

Land Subsidence Rate in the Northeast Phoenix and Scottsdale Areas, Maricopa County
Based on Radarsat-2 Satellite Interferometric Synthetic Aperture Radar (InSAR) Data

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Time Period of Analysis: 2.0 Years 04/03/2012 To 04/17/2014

Explanation

04/03/2012 To 04/17/2014

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
- Earth Fissures
- CAP Canal

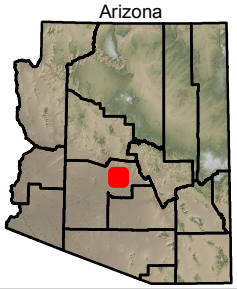
Highways and Interstates

- Interstate
- US
- State
- Roads

1:125,000

0 0.5 1 2 3 4 Miles

Arizona



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