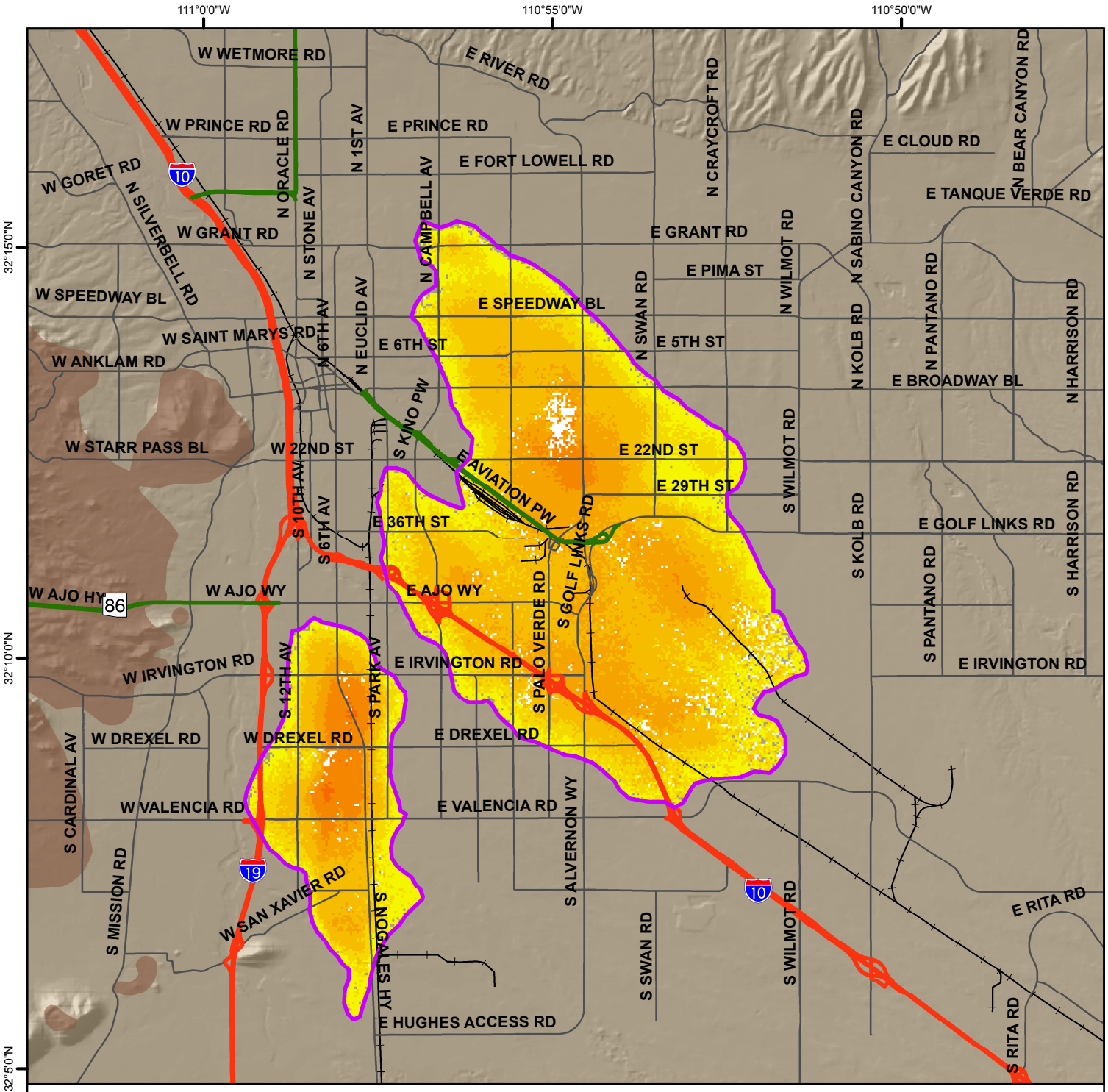


Total Land Subsidence in the Tucson Metropolitan Area
Based on Envisat Satellite Interferometric Synthetic Aperture Radar (InSAR) Data
**Time Period of Analysis: 7.9 Years 02/14/2003 To 01/08/2010**

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**Explanation**

**02/14/2003 To 01/08/2010**

**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

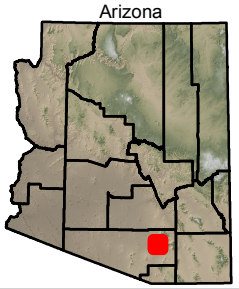
**Highways and Interstates**

- Interstate
- US
- State
- Roads
- Railway

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).

Coordinate System: NAD 1983 UTM Zone 12N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter
Created: 11/17/2014