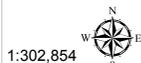


**Land Subsidence Rate in the Bowie and San Simon Areas, Cochise County**  
 Based on ERS-1 and 2 Interferometric Synthetic Aperture Radar (InSAR) Data  
 Time Period of Analysis: 1.0 Years 01/06/1996 To 12/24/1996

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**Explanation**

- |                                 |                                 |                    |
|---------------------------------|---------------------------------|--------------------|
| <b>01/06/1996 To 12/24/1996</b> |                                 | Subsidence Feature |
| <b>Land Subsidence Rate</b>     |                                 | Hardrock           |
| Decorrelation/No Data           | Earth Fissures                  | Cities/Towns       |
| Greater 7 cm/yr (2.8 in/yr)     | <b>Highways and Interstates</b> |                    |
| 5 - 7 cm/yr (2.0 - 2.8 in/yr)   | Interstate                      | US                 |
| 3 - 5 cm/yr (1.2 - 2.0 in/yr)   | State                           | Roads              |
| 2 - 3 cm/yr (0.8 - 1.2 in/yr)   | Railway                         |                    |
| 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)   |                                 |                    |



0 1.5 3 6 9 12 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](http://www.azgs.gov/EFC)

Coordinate System: NAD 1983 UTM Zone 12N  
 Projection: Transverse Mercator  
 Datum: North American 1983  
 Units: Meter  
 Created: 11/5/2014

