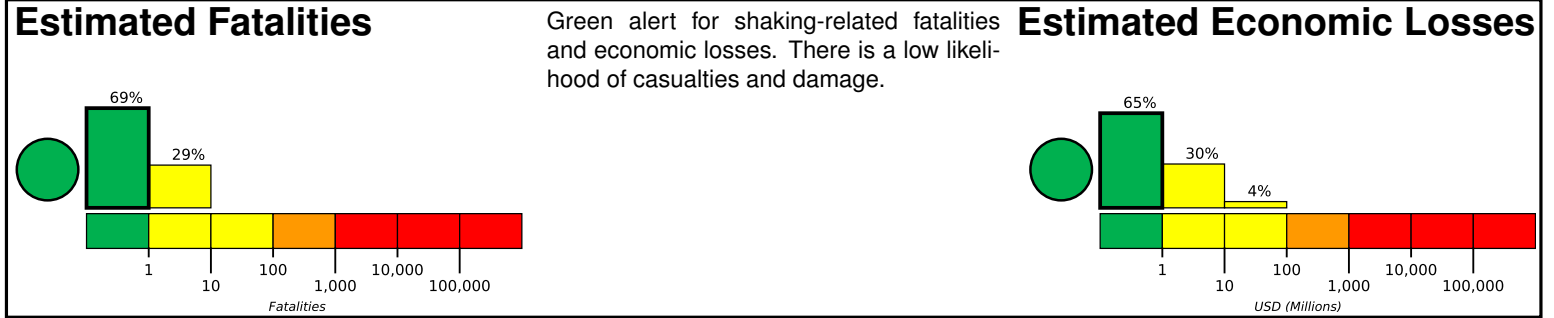


# M 4.6, 17 km NNE of Hermleigh, Texas

Origin Time: 2024-07-23 03:38:42 UTC (Mon 22:38:42 local)  
Location: 32.7596° N 100.6429° W Depth: 5.0 km

**PAGER Version 3**

Created: 11 weeks, 0 days after earthquake

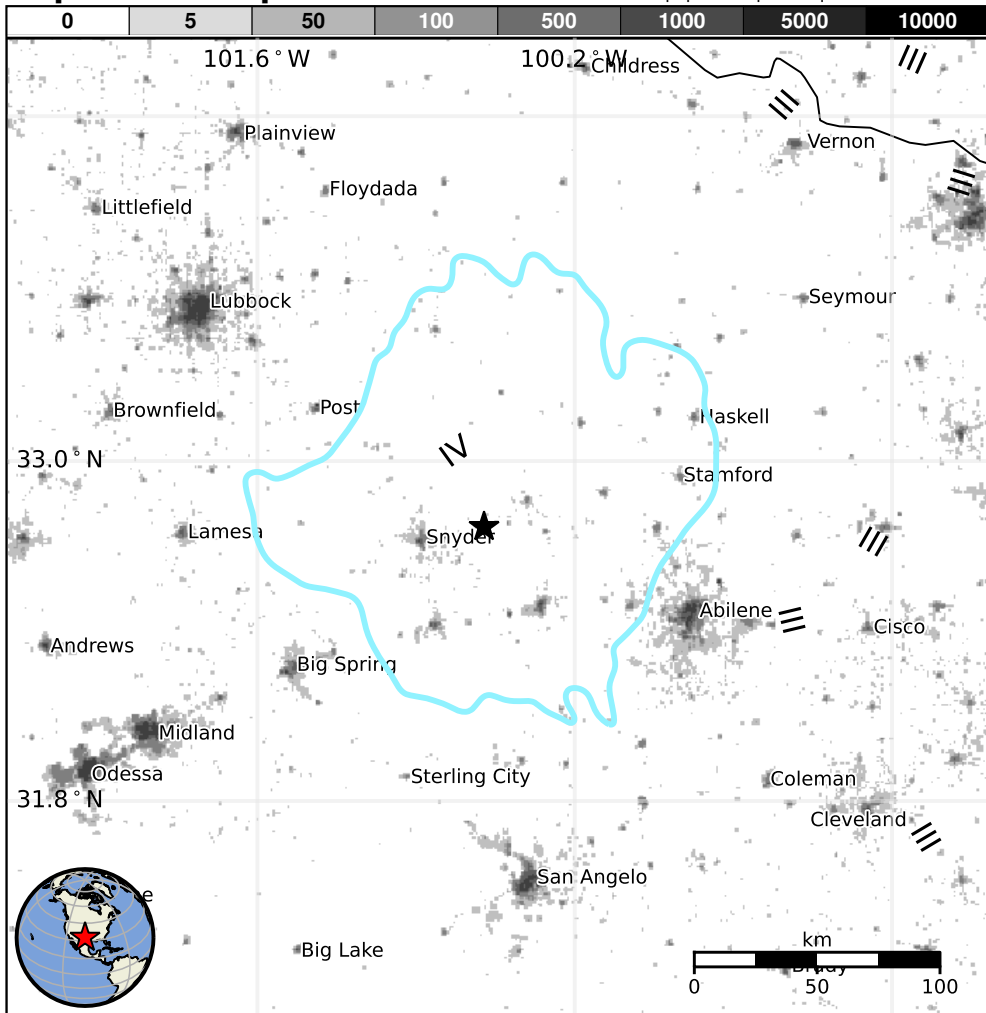


## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	1,537k*	71k	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

## Population Exposure



### Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are unreinforced brick masonry and reinforced masonry construction.

### Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1978-06-16	32	5.3	IV(18k)	—
1992-01-02	235	5.0	V(4k)	—
1995-04-14	377	5.7	V(7k)	0

### Selected City Exposure

MMI	City	Population
IV	<b>Roby</b>	1k
IV	<b>Rotan</b>	2k
IV	<b>Snyder</b>	11k
IV	<b>Hamlin</b>	2k
IV	<b>Gail</b>	0
IV	<b>Aspermont</b>	1k
III	<b>Wichita Falls</b>	105k
III	<b>Midland</b>	111k
III	<b>Odessa</b>	100k
III	<b>Lubbock</b>	230k
III	<b>Abilene</b>	117k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

bold cities appear on map.

(k=x1000)