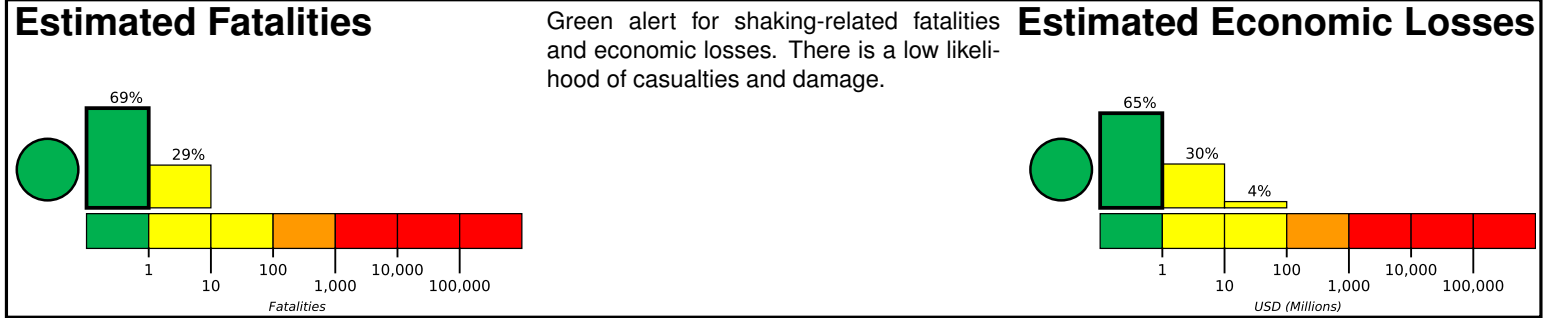


M 3.8, 17 km NNE of Hermleigh, Texas

Origin Time: 2024-07-23 03:46:25 UTC (Mon 22:46:25 local)
Location: 32.7649° N 100.6701° W Depth: 5.0 km

Created: 42 minutes, 7 seconds after earthquake

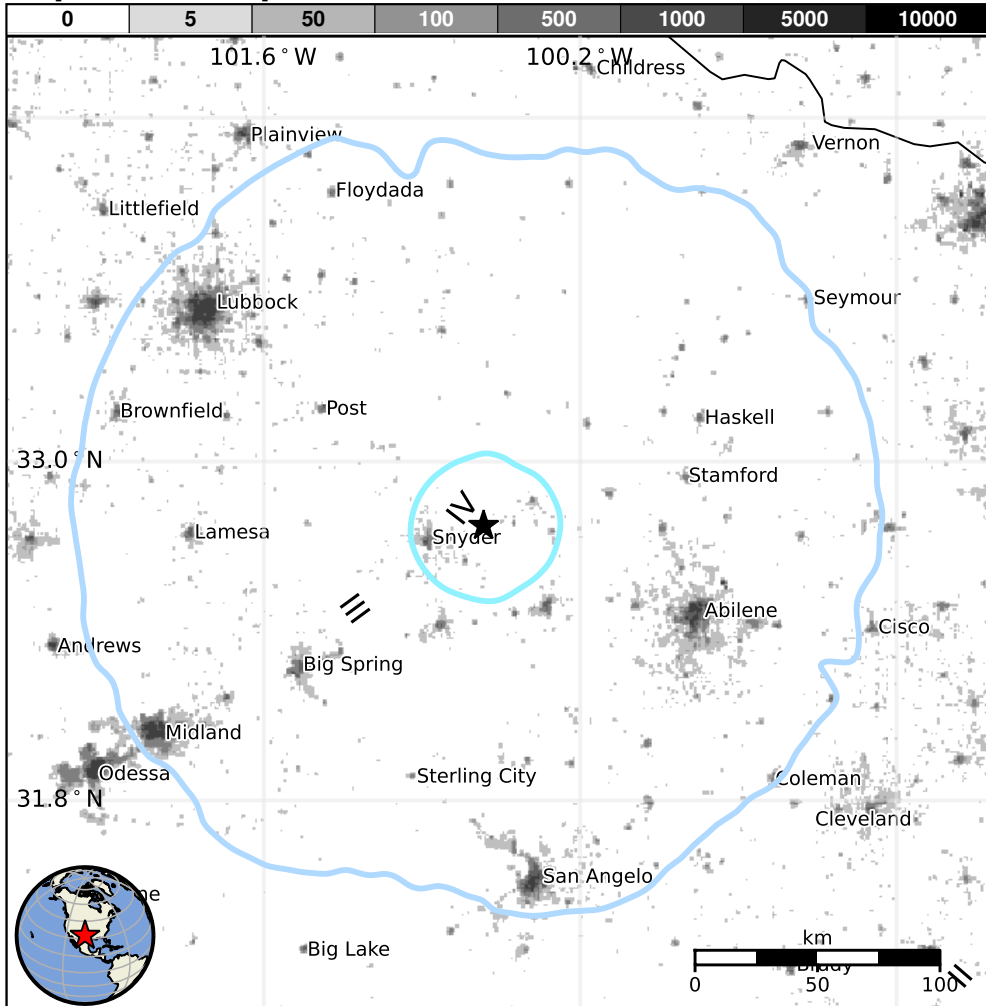


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	1,591k	20k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. 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	30	5.3	IV(18k)	—
1992-01-02	232	5.0	V(4k)	—
1995-04-14	376	5.7	V(7k)	0

Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Rotan	2k
IV	Snyder	11k
IV	Roby	1k
III	Roscoe	1k
III	Sweetwater	11k
III	Colorado City	4k
III	Abilene	117k
III	Lubbock	230k
III	Midland	111k
II	Odessa	100k
II	Wichita Falls	105k

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)