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Earthquake Shaking Green Alert

GSN ANSS USAID FROM THE AMERICAN PEOPLE

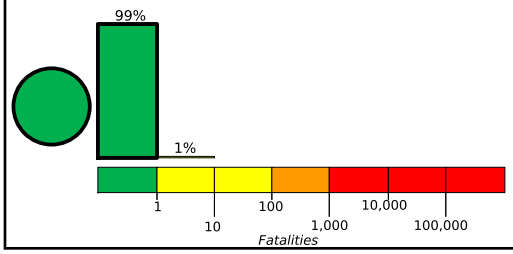
M 4.1, ARKANSAS

Origin Time: Mon 2010-10-11 13:33:40 UTC (08:33:40 local)
Location: 35.30°N 92.32°W Depth: 4 km

PAGER Version 1

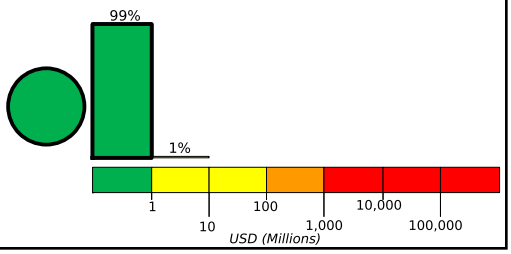
Created: 286 weeks, 4 days after earthquake

Estimated Fatalities



Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses



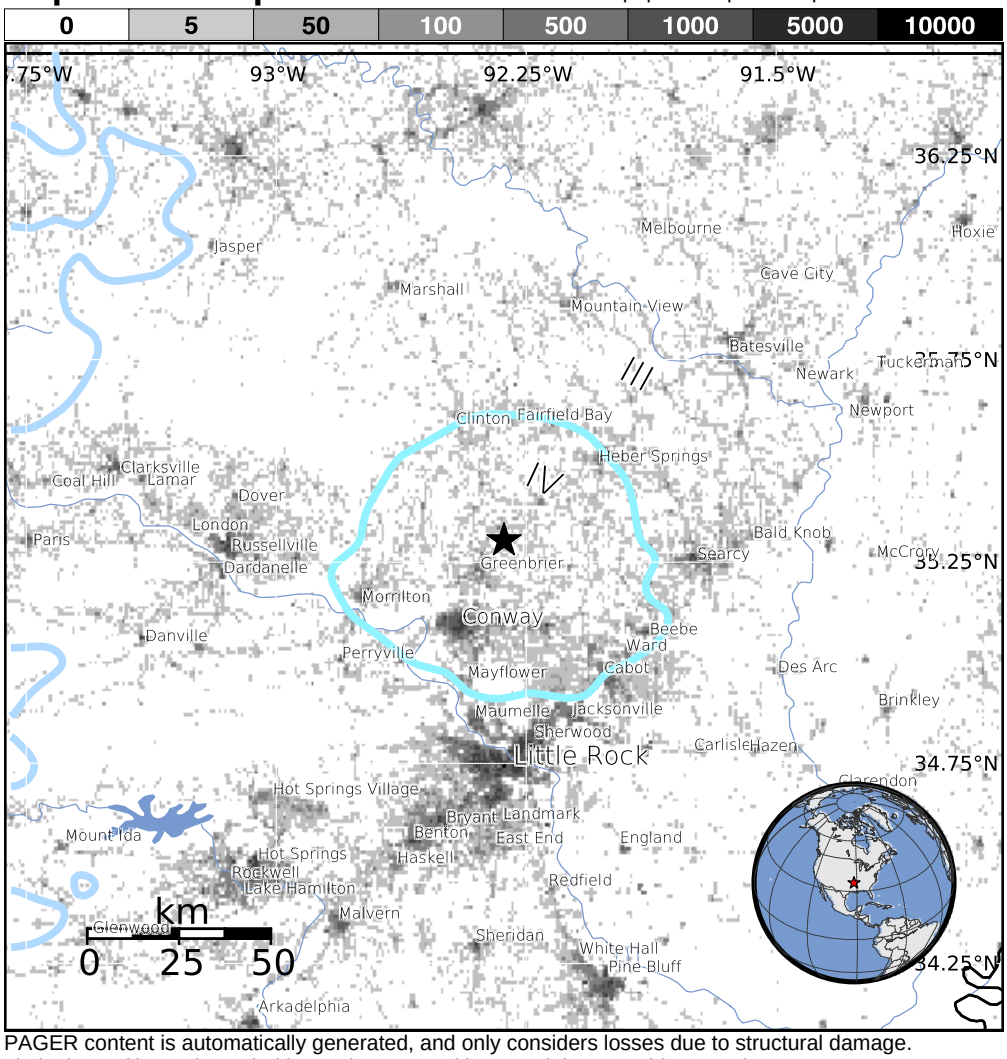
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		- -*	1,334k	194k	3k	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	Moderate/Heavy	Heavy	V. Heavy
	Vulnerable Structures	none	none	none	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure

population per ~1 sq. km from Landscan



Structures:
Overall, the population in this region resides in structures that are resistant to earthquake shaking, though some vulnerable structures exist.

Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1982-01-21	18	4.7	V(2k)	0
1990-09-26	324	5.0	V(60k)	0
1976-03-25	184	5.0	VI(40k)	0

Selected City Exposure

from GeoNames.org

MMI	City	Population
V	**Greenbrier**	**5k**
IV	**Conway**	**59k**
IV	Vilonia	4k
IV	**Ward**	**4k**
IV	**Cabot**	**24k**
IV	Gravel Ridge	3k
III	North Little Rock	62k
III	**Little Rock**	**194k**
III	**Pine Bluff**	**49k**
III	**Hot Springs**	**35k**
III	**Benton**	**31k**

bold cities appear on map (k = x1000)

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.

http://earthquake.usgs.gov/earthquakes/eventpage/nm607604

Event ID: nm607604