M 4.4, 10km ENE of Dover, Delaware
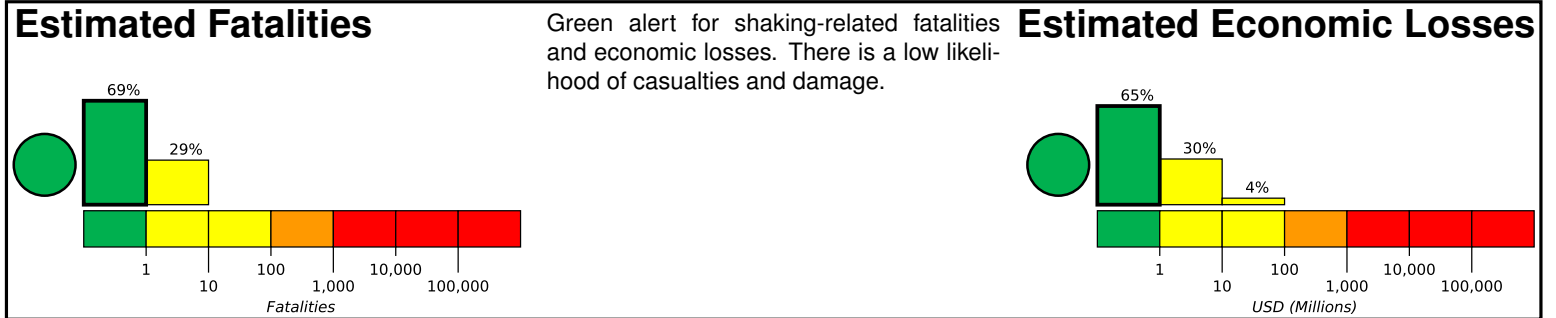
PAGER
Version 5

Origin Time: 2017-11-30 21:47:31 UTC (Thu 16:47:31 local)
Location: 39.1977° N 75.4325° W Depth: 9.9 km
FOR TSUNAMI INFORMATION, SEE: tsunami.gov

Created: 2 hours, 7 minutes after earthquake

Estimated Fatalities

69%
29%

1 10 100 1,000 10,000 100,000
Fatalities

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

Estimated Economic Losses

65%
30%
4%

1 10 100 1,000 10,000 100,000
USD (Millions)

Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		–*	53,923k	972k	153k	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

population per 1 sq. km from Landscan

0	5	50	100	500	1000	5000	10000
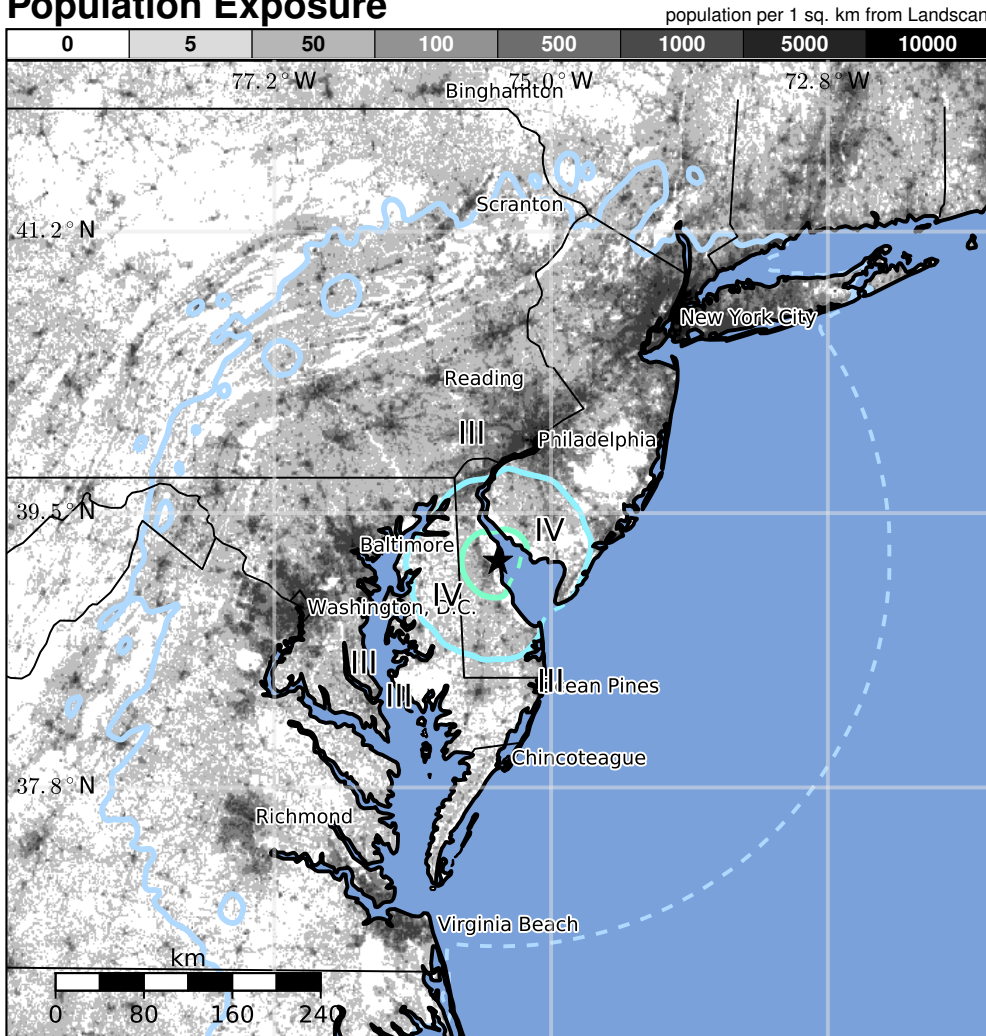
Structures

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
2003-12-09	280	4.5	V(30k)	–
1994-01-16	136	4.6	V(269k)	–

Selected City Exposure

from GeoNames.org

MMI	City	Population
V	Dover	36k
V	Dover Base Housing	3k
V	Rodney Village	1k
V	Kent Acres	2k
V	Highland Acres	3k
V	Camden	3k
III	Trenton	85k
III	Harrisburg	50k
III	**Washington, D.C.**	**602k**
III	**Richmond**	**204k**
III	Hartford	125k

bold cities appear on map.   (k = x1000)

Event ID: us1000bjkn