

# M 5.1, 10km ENE of Dover, Delaware

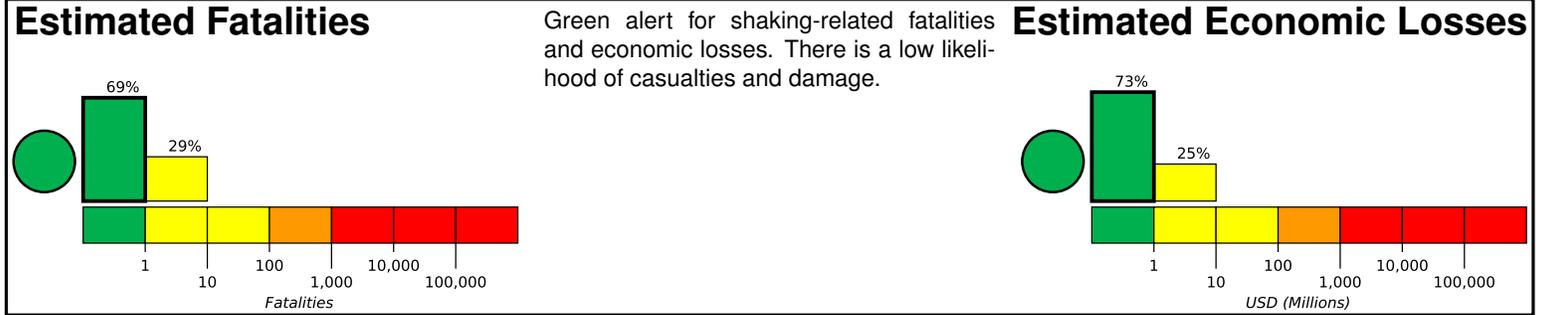
Origin Time: 2017-11-30 21:47:31 UTC (Thu 16:47:31 local)

Location: 39.2045° N 75.4212° W Depth: 8.1 km

FOR TSUNAMI INFORMATION, SEE: [tsunami.gov](http://tsunami.gov)

Created: 11 minutes, 43 seconds after earthquake

**PAGER**  
Version 1

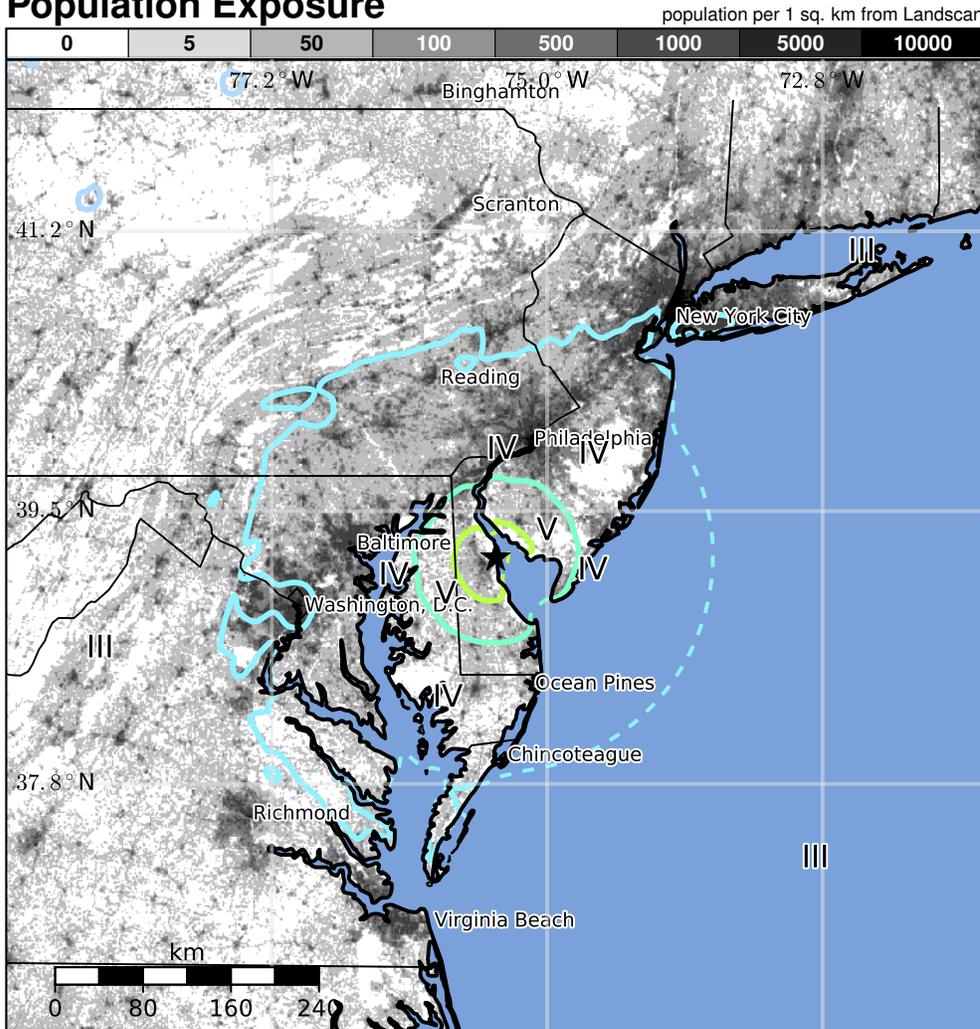


## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	32,408k*	21,913k	631k	163k	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
2003-12-09	281	4.5	V(30k)	—
1994-01-16	135	4.6	V(269k)	—

## Selected City Exposure

from GeoNames.org

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

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.

<https://earthquake.usgs.gov/earthquakes/eventpage/ld60146101#pager>

Event ID: ld60146101