

# M 7.7, PAGAN REGION, NORTHERN MARIANA ISLANDS

Origin Time: Fri 2016-07-29 21:18:26 UTC (21:18:26 local)

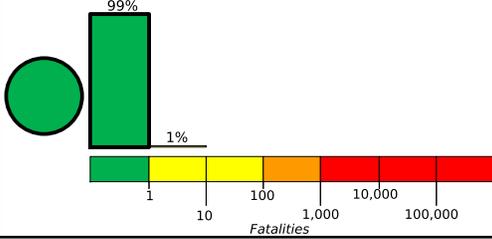
Location: 18.54°N 145.54°E Depth: 207 km

## PAGER Version 3

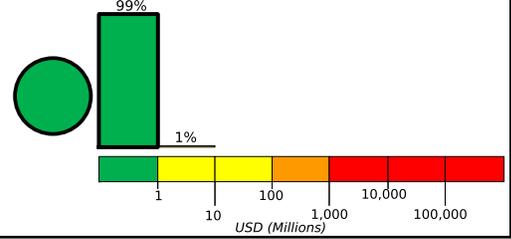
Created: 1 week, 2 days after earthquake

### Estimated Fatalities

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



### Estimated Economic Losses

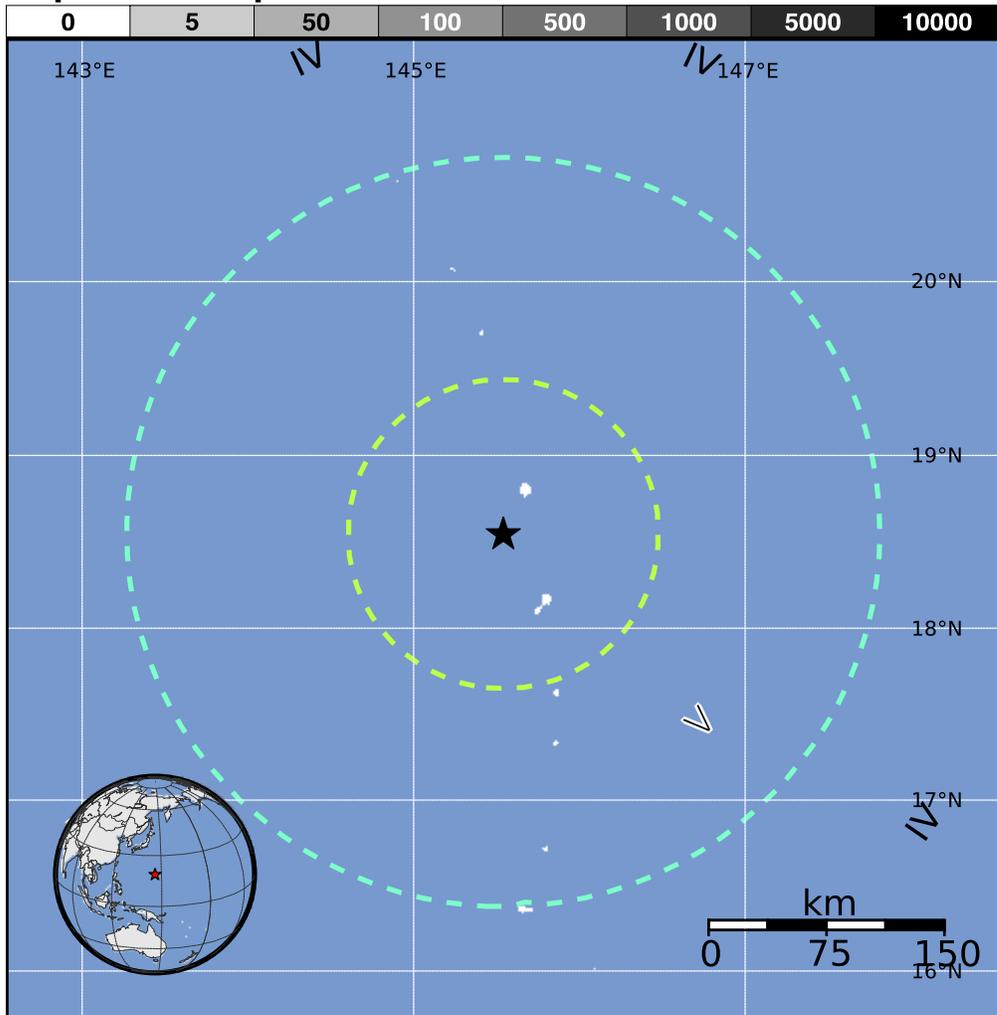


### Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	--*	--*	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	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



#### Structures:

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

#### Historical Earthquakes (with MMI levels):

A magnitude 6.4 earthquake 326 km south of this one struck the Northern Mariana Islands on June 6, 1993 (UTC), with estimated population exposures of 54,000 at intensity V and 3,000 at intensity IV, with no reported fatalities.

### Selected City Exposure

from GeoNames.org

MMI City	Population

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/us100068jg>

Event ID: us100068jg