

# M 5.4, GUAM REGION

Origin Time: Tue 2015-10-20 00:36:54 UTC (00:36:54 local)

Location: 12.87°N 143.90°E Depth: 78 km

Created: 6 weeks, 2 days after earthquake

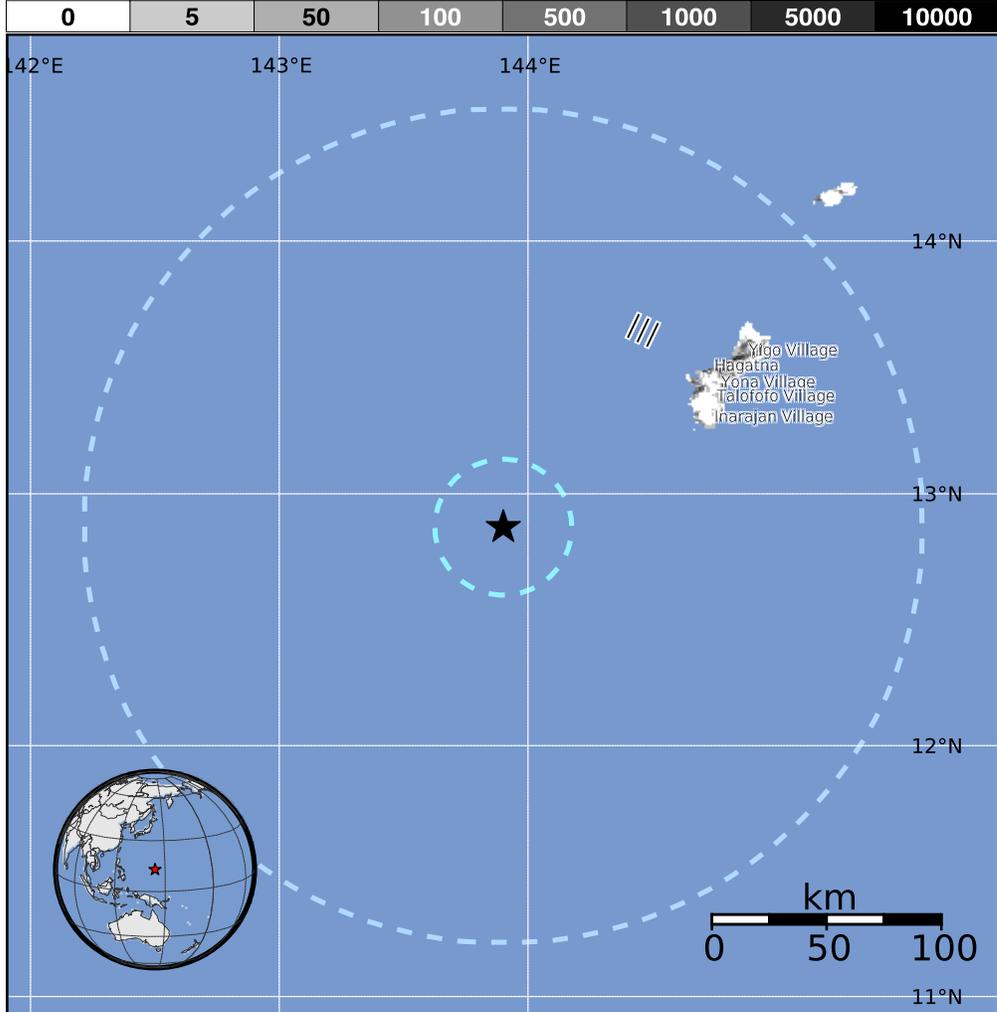


## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	167k	1k	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 a mix of vulnerable and earthquake resistant construction.

### Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1983-02-13	160	6.1	V(125k)	0
2002-04-26	84	7.0	VIII(5k)	0
1993-08-08	102	7.7	IX(3k)	0

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

## Selected City Exposure

from GeoNames.org

MMI City	Population
IV Barrigada Village	9k
III Mangilao Village	15k
III Sinajana Village	3k
<b>III Hagatna</b>	<b>1k</b>
III Dededo Village	45k
<b>III Yigo Village</b>	<b>21k</b>

bold cities appear on map

(k = x1000)