

# M 6.7, NORTHWEST OF THE RYUKYU ISLANDS

Origin Time: Fri 2015-11-13 20:51:31 UTC (20:51:31 local)

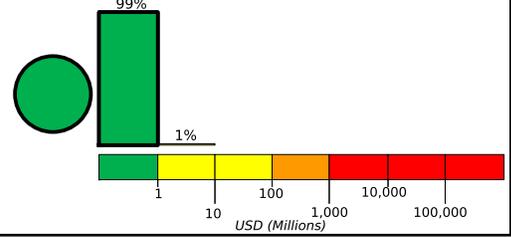
Location: 31.00°N 128.87°E Depth: 12 km

Created: 7 weeks, 3 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

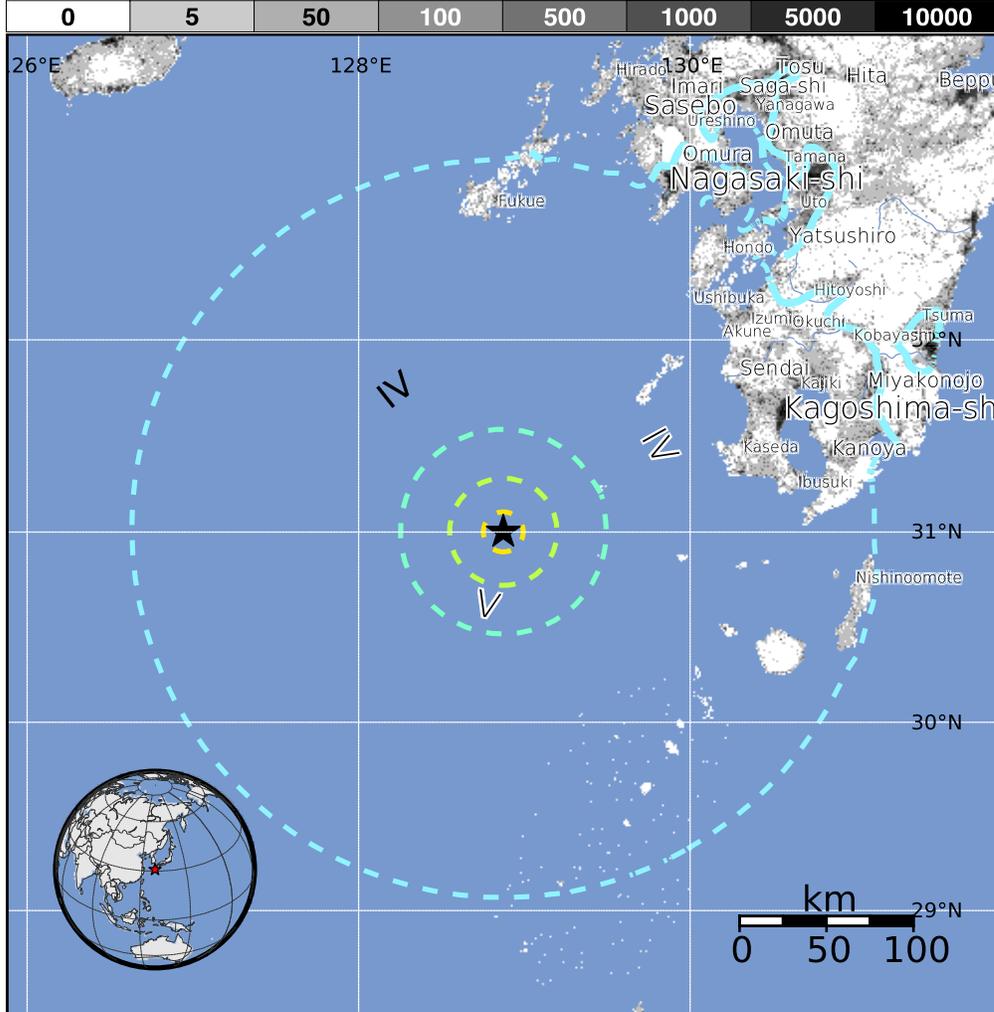


## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)	- -*	3,705k*	6,334k	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
	Vulnerable Structures	none	none	none	Light	Moderate	Moderate/Heavy	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 some vulnerable structures exist.

### Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1978-07-04	287	5.8	V(7k)	0
1987-03-18	301	6.6	VII(593k)	1
2005-03-20	333	6.6	IX(74k)	1

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

## Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Sendai	73k
IV	Kaseda	24k
IV	Kagoshima-shi	555k
IV	Tarumizu	19k
IV	Fukue	27k
IV	Ushibuka	17k
IV	Miyazaki-shi	311k
IV	Nagasaki-shi	410k
IV	Kumamoto-shi	680k
IV	Oita-shi	449k
III	Jeju	408k

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/us10003y71>

Event ID: us10003y71