

**M 5.5, KYUSHU, JAPAN**

Origin Time: Wed 2013-02-13 03:57:47 UTC (12:57:47 local)

Location: 30.28°N 131.40°E Depth: 41 km

Created: 22 hours, 51 minutes after earthquake

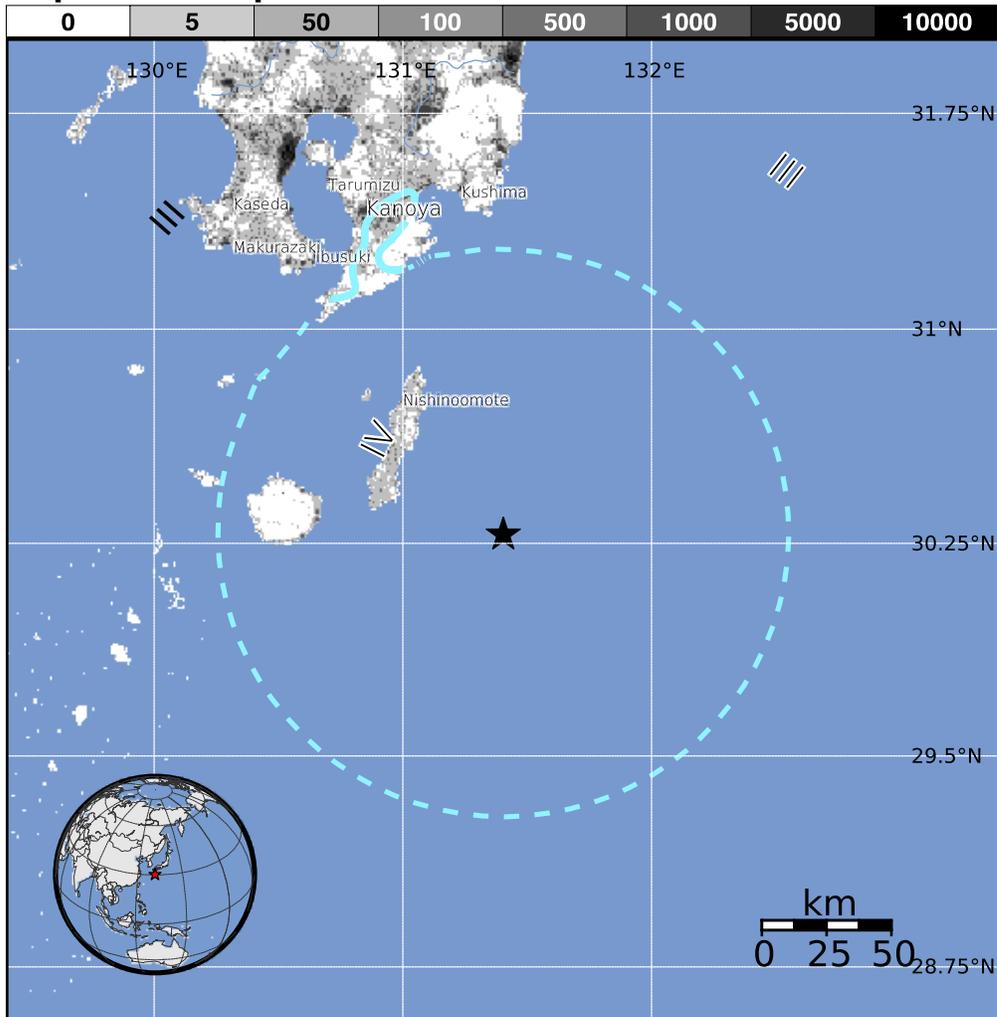


**Estimated Population Exposed to Earthquake Shaking**

ESTIMATED POPULATION EXPOSURE (k = x1000)		- -*	1,942k*	227k	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 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	269	5.8	V(7k)	0
1975-04-20	318	6.1	IX(6k)	0
1987-03-18	200	6.6	VII(593k)	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 Nishinoomote	18k
IV Kanoya	82k
IV Ibusuki	30k
IV Shibushi	18k
IV Miyakonojo	131k
III Hamanoichi	39k
III Miyazaki	311k
III Kokubu	58k
III Nichinan	44k
III Kagoshima	555k
III Sendai	73k

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/pager>

Event ID: usc000f6fa