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Earthquake Shaking Green Alert

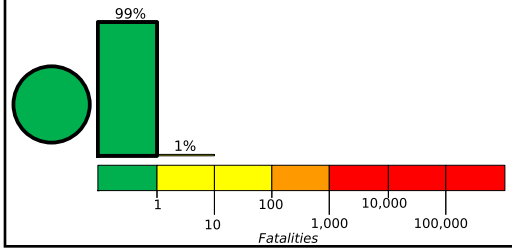
GSN ANSS USAID FROM THE AMERICAN PEOPLE

M 5.3, RYUKYU ISLANDS, JAPAN

Origin Time: Mon 2016-07-25 15:11:54 UTC (15:11:54 local)
Location: 26.51°N 128.70°E Depth: 21 km

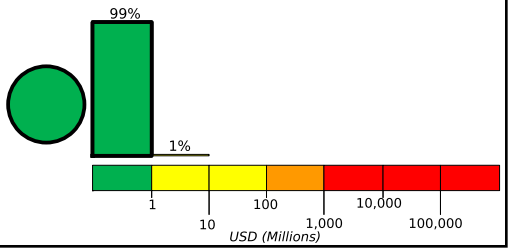
PAGER Version 6
Created: 4 weeks, 0 days after earthquake

Estimated Fatalities



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

Estimated Economic Losses



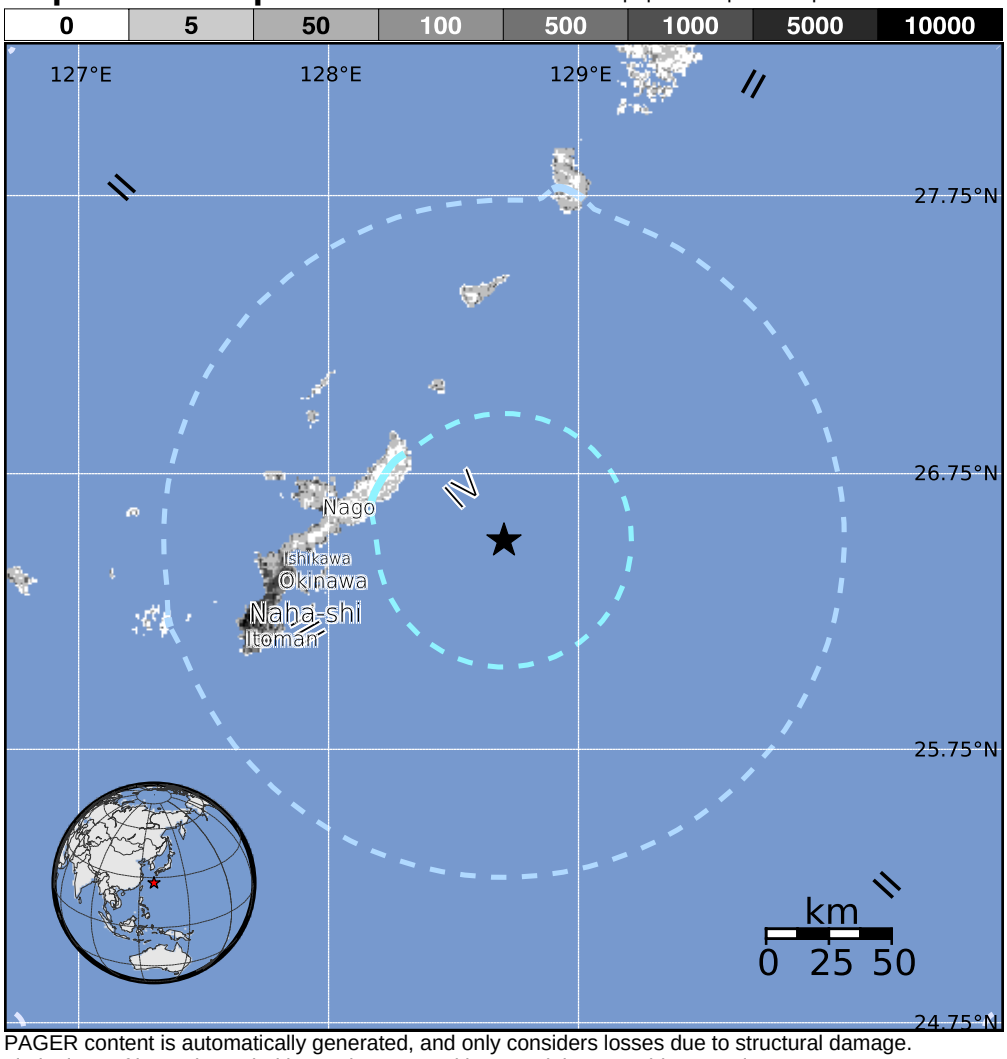
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		- -*	1,329k	5k	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

population per ~1 sq. km from Landscan



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
2001-08-17	261	5.9	V(9k)	0
1990-05-17	91	5.8	VII(162k)	0
1995-10-18	234	7.1	VIII(8k)	0

Selected City Exposure

from GeoNames.org

MMI	City	Population
III	**Nago**	**60k**
III	**Naha-shi**	**301k**
III	**Okinawa**	**125k**
III	Ginowan	92k
III	**Ishikawa**	**22k**
III	Gushikawa	65k
III	Tomigusuku	56k
III	Chatan	28k
III	Haebaru	34k
III	**Itoman**	**57k**

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/us20006hg4

Event ID: us20006hg4