USGS
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Earthquake Shaking **Green Alert**

GSN ANSS USAID FROM THE AMERICAN PEOPLE

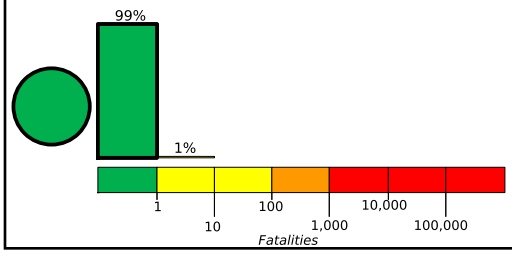
M 6.2, VANUATU

Origin Time: Tue 2016-06-14 13:49:22 UTC (13:49:22 local)
Location: 18.76°S 168.83°E Depth: 111 km

PAGER Version 8

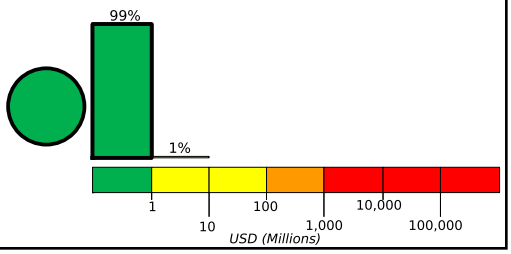
Created: 7 weeks, 1 day after earthquake

Estimated Fatalities



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

Estimated Economic Losses



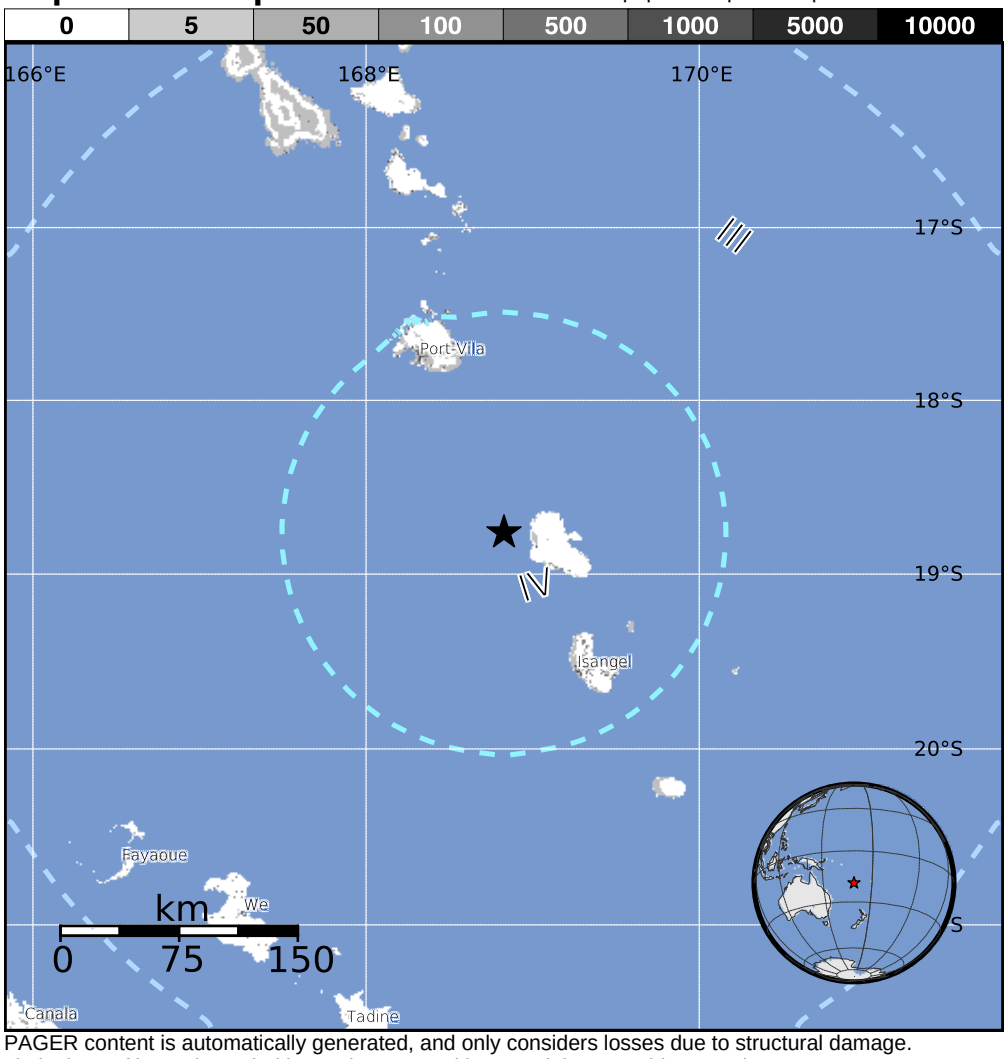
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		- -*	109k*	90k	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 vulnerable to earthquake shaking, though some resistant structures exist.

Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1976-01-01	288	5.5	V(13k)	0
2002-01-02	164	7.2	IX(764)	0
1999-08-22	311	6.5	IX(2k)	0

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	**Isangel**	**1k**
IV	**Port-Vila**	**36k**
III	**We**	**10k**
III	**Tadine**	**7k**
III	**Fayaoue**	**4k**
III	Norsup	3k
III	Lakatoro	< 1k
II	**Canala**	**4k**

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/us200064bb

Event ID: us200064bb