

M 6.0, TONGA

Origin Time: Mon 2016-02-15 15:02:32 UTC (15:02:32 local)

Location: 21.00°S 175.48°W Depth: 10 km

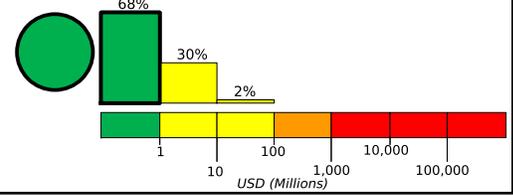
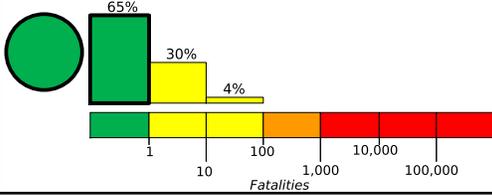
PAGER
Version 5

Created: 4 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

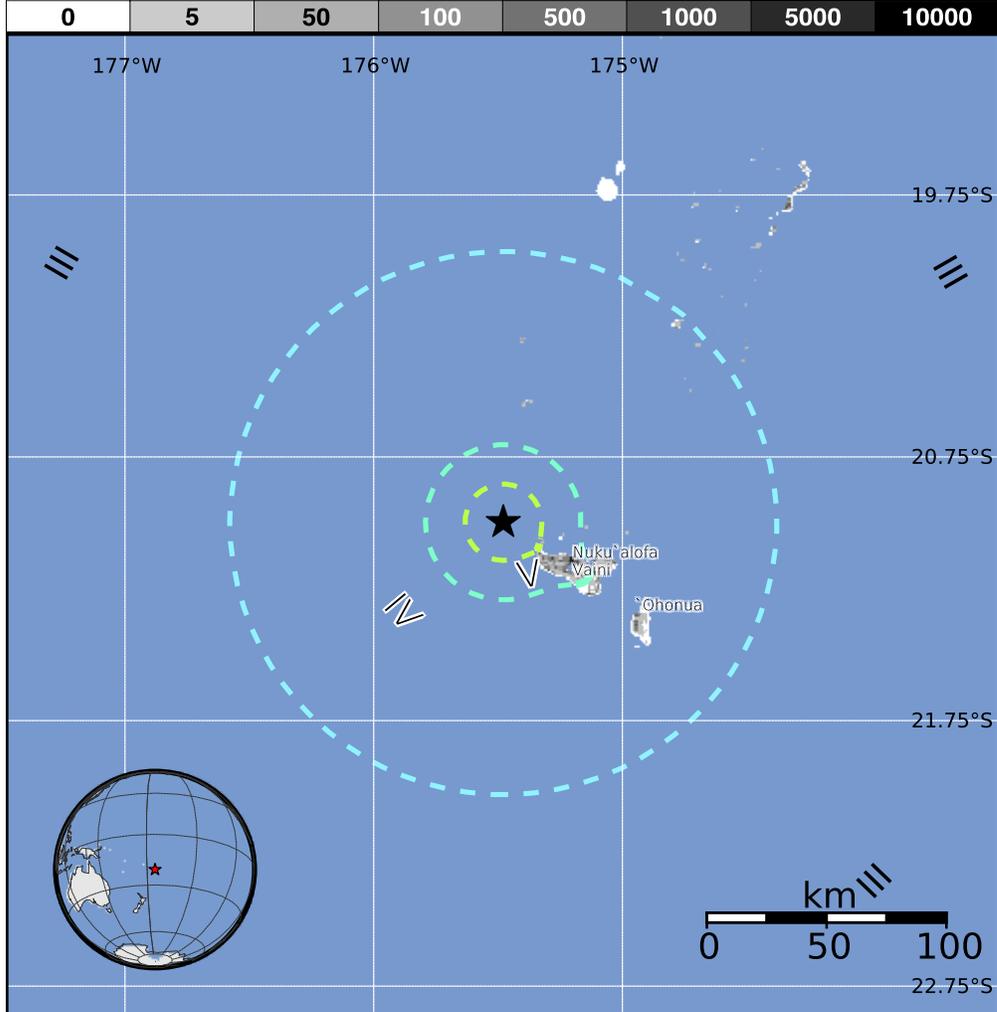


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)	- .*	6k*	14k	62k	10k	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 vulnerable to earthquake shaking, though some resistant structures exist.

Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1974-08-06	112	5.8	V(45k)	0
1983-03-21	63	6.7	VII(53k)	0
2006-05-03	176	8.0	VIII(9k)	0

Selected City Exposure

from GeoNames.org

MMI City	Population
V Vaini	3k
V Havelu	3k
V Nuku'alofa	22k
IV 'Ohonua	1k
III Pangai	2k

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/us200050a6>

Event ID: us200050a6