

M 6.0, TONGA

Origin Time: Sat 2015-05-30 17:18:35 UTC (05:18:35 local)

Location: 15.72°S 173.38°W Depth: 10 km

PAGER Version 7

Created: 5 weeks, 6 days after earthquake

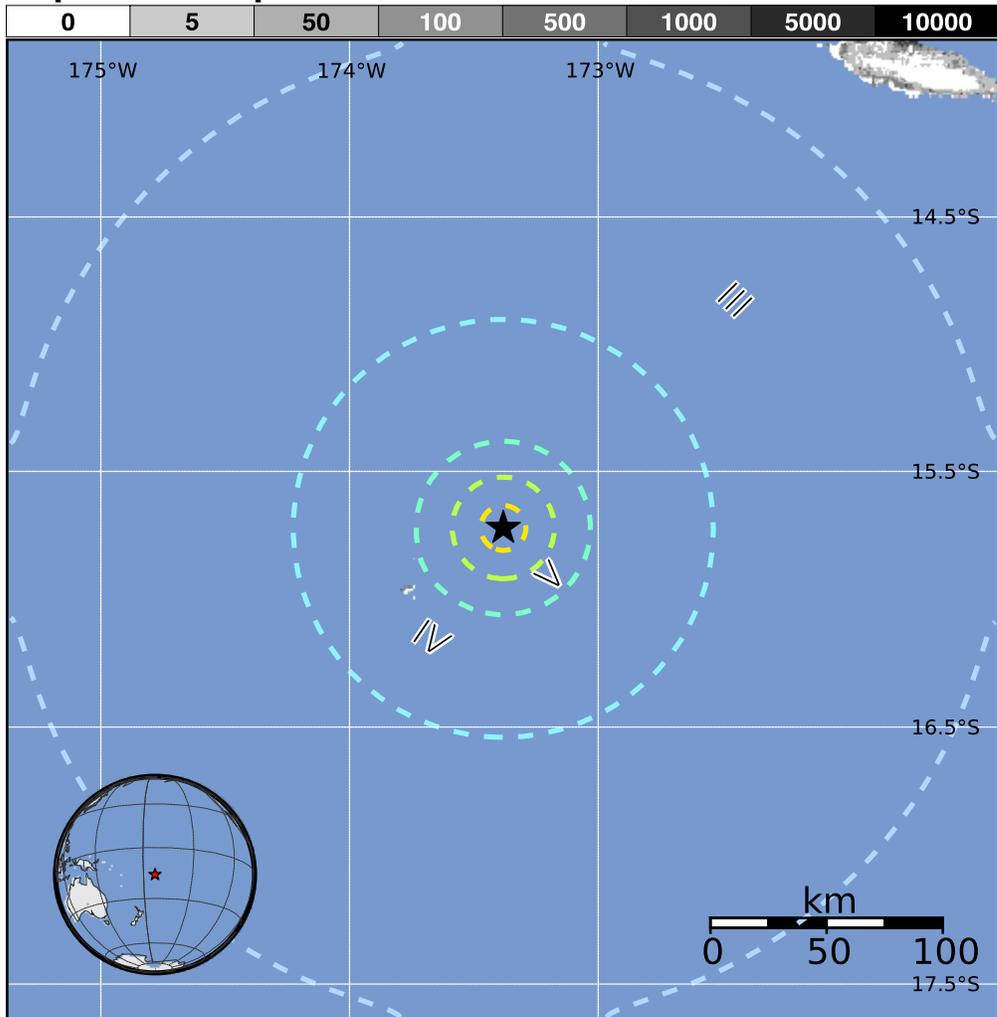


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	135k	1k	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 vulnerable to earthquake shaking, though some resistant structures exist.

Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2006-09-28	170	6.9	IV(220k)	0
1977-06-13	321	5.7	VII(4k)	0
1999-01-05	313	5.9	VII(15k)	0

Selected City Exposure

from GeoNames.org

MMI	City	Population
III	Lotofaga	1k
II	Fasito`outa	2k
II	Malie	2k
II	Afenga	2k
II	Siusega	2k
II	Satapuala	1k
II	Nofoali`i	2k
II	Leulumoega	1k
II	Vaiusu	2k
II	Apia	40k
II	Solosolo	1k

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: us20002kp6