

M 5.5, TONGA

Origin Time: Fri 2016-09-02 11:23:08 UTC (11:23:08 local)

Location: 19.49°S 173.61°W Depth: 22 km

PAGER
Version 3

Created: 2 hours, 2 minutes after earthquake

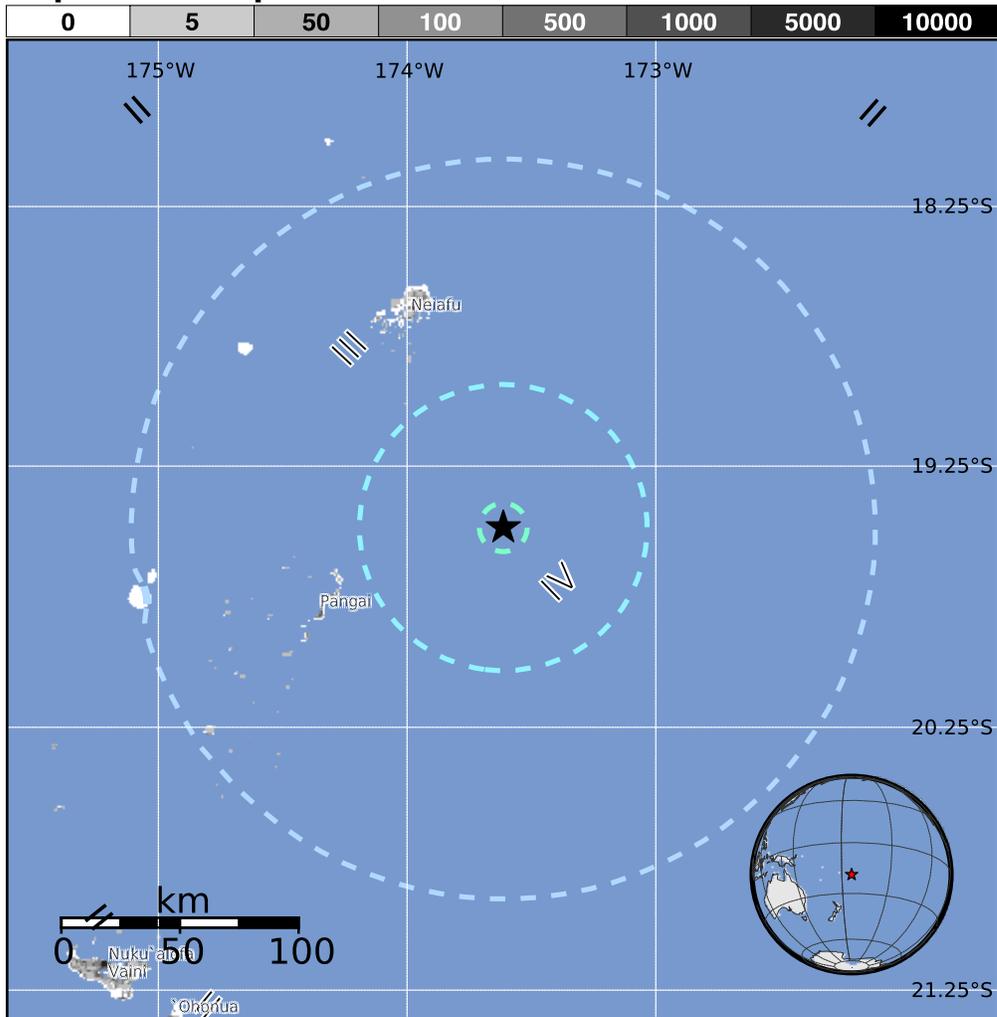


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	104k	0	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	376	6.9	IV(220k)	0
1983-03-21	276	6.7	VII(53k)	0
2006-05-03	81	8.0	VIII(9k)	0

Selected City Exposure

from GeoNames.org

MMI City	Population
III Pangai	2k
III Neiafu	4k
II Vaini	3k
II Nuku'alofa	22k
II `Ohonua	1k
II Havelu	3k

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/us10006jmt>

Event ID: us10006jmt