

# M 5.5, 113km E of 'Ohonua, Tonga

Origin Time: 2018-05-13 05:50:33 UTC (Sat 17:50:33 local)  
Location: 21.1494° S 173.8070° W Depth: 10.0 km

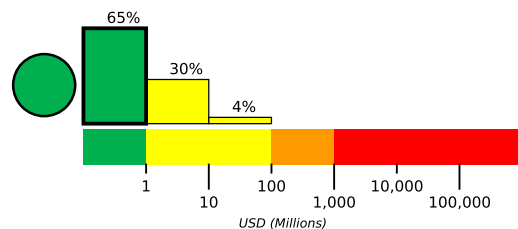
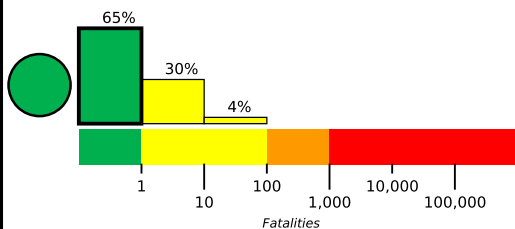
**PAGER**  
Version 3

Created: 3 weeks, 6 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

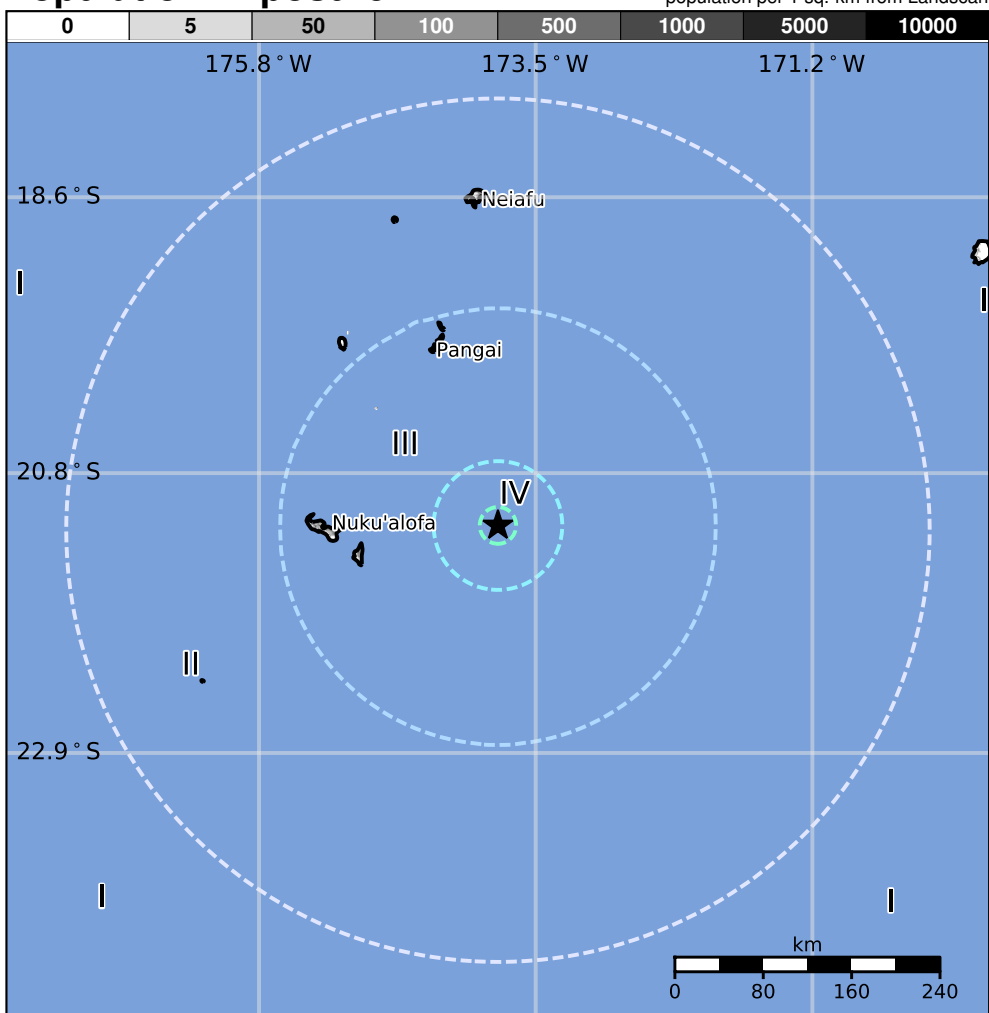


## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	1k*	107k	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	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./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 highly vulnerable to earthquake shaking, though some resistant structures exist. The predominant vulnerable building types are unknown/miscellaneous types and wood construction.

## Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1977-06-22	279	8.0	VII(47k)	0
1983-03-21	158	6.7	VII(53k)	-
2006-05-03	115	8.0	VIII(7k)	0

## Selected City Exposure

from GeoNames.org

MMI	City	Population
III	<b>Nuku'alofa</b>	22k
III	Vaini	3k
III	Haveluloto	3k
III	'Ohonua	1k
III	<b>Pangai</b>	2k
II	<b>Neiafu</b>	4k
I	Alofi	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.

<https://earthquake.usgs.gov/earthquakes/eventpage/us1000e3zd#pager>

Event ID: us1000e3zd