Earthquake Shaking **Green Alert**

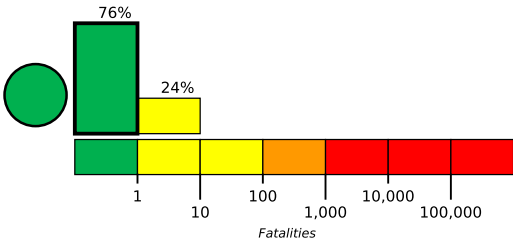
M 5.6, 79km ENE of Hihifo, Tonga

Origin Time: 2019-09-22 07:32:33 UTC (Sat 19:32:33 local)
Location: 15.5519° S 173.1298° W Depth: 8.6 km

PAGER Version 2

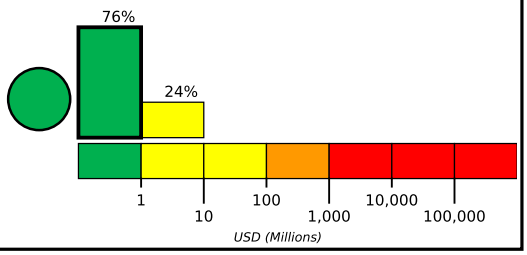
Created: 2 hours, 1 minute after earthquake

Estimated Fatalities



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

Estimated Economic Losses



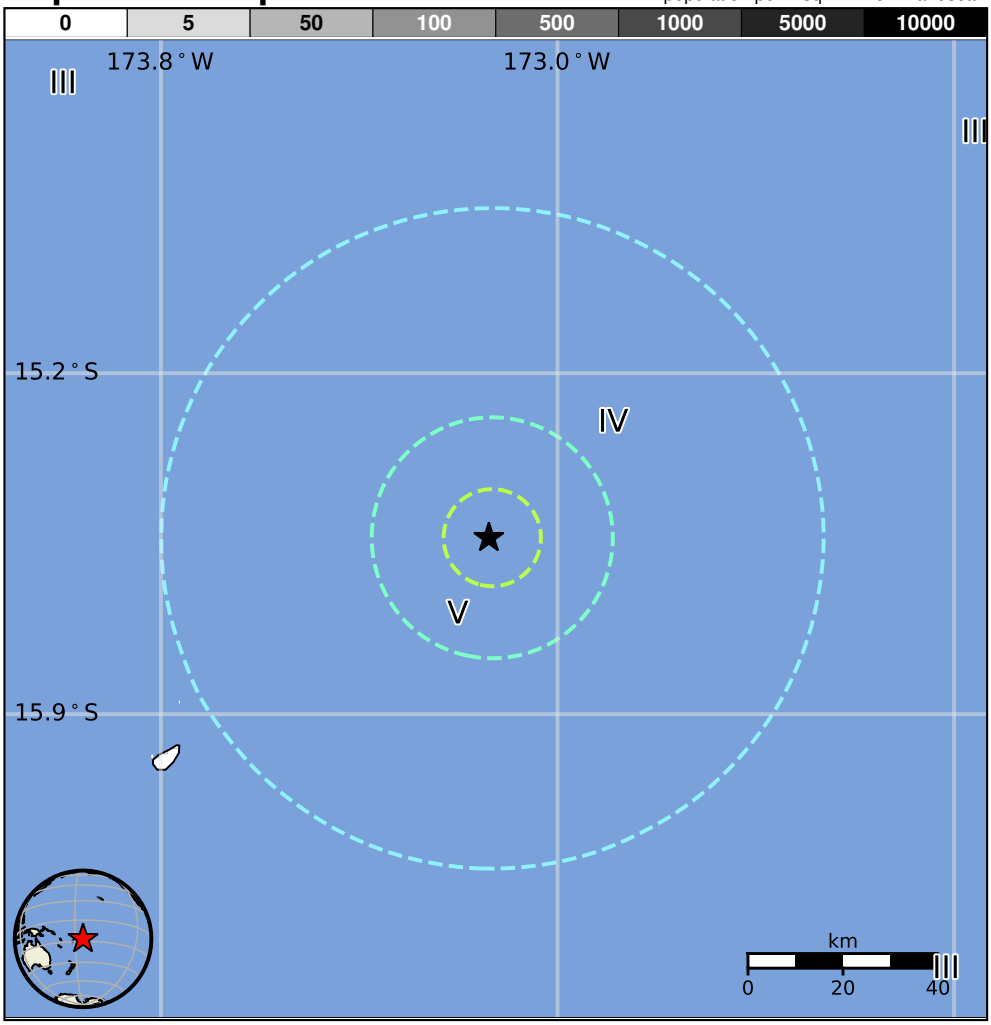
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		–*	1k*	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

population per 1 sq. km from Landscan



Structures

There are likely to be no affected structures in this region.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1987-10-06	288	7.2	IV(19k)	–
1999-01-05	338	5.9	VII(15k)	–
2006-09-28	167	6.9	IV(197k)	0

Selected City Exposure

from GeoNames.org

MMI	City	Population
III	Hihifo	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/us60005ly5#pager

Event ID: us60005ly5