

**M 5.8, TONGA**

Origin Time: Wed 2014-09-03 07:43:30 UTC (19:43:30 local)

Location: 15.06°S 173.38°W Depth: 6 km

**PAGER**  
**Version 5**

Created: 7 weeks, 4 days after earthquake

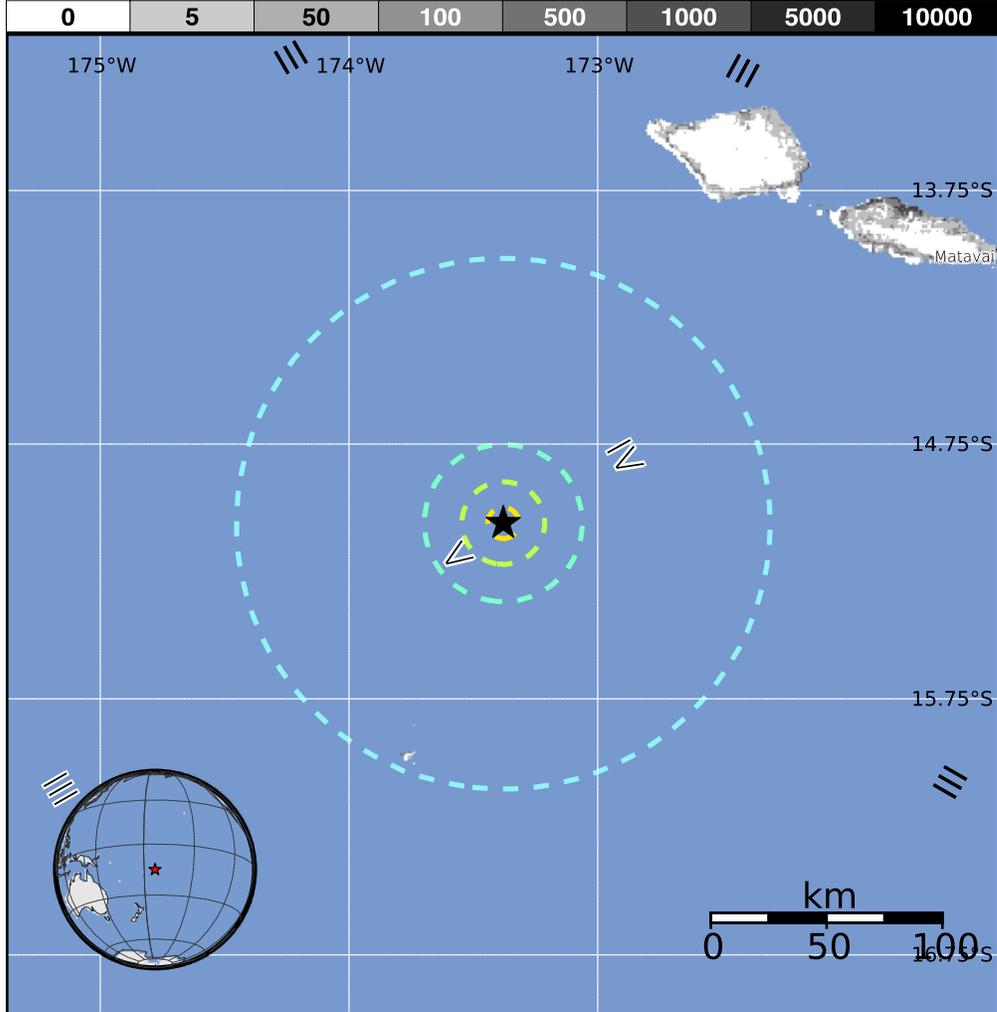


**Estimated Population Exposed to Earthquake Shaking**

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	198k*	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	239	6.9	IV(220k)	0
1977-06-13	397	5.7	VII(4k)	0
1999-01-05	390	5.9	VII(15k)	0

**Selected City Exposure**

from GeoNames.org

MMI City	Population
III Fasito`outa	2k
III Gataivai	1k
III Satapuala	1k
III Lotofaga	1k
III Nofoal`i	2k
III Leulumoega	1k
III Faleula	3k
III Siusega	2k
III Malie	2k
III Vaiusu	2k
III Apia	40k

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: usc000s97b