

M 5.8, SAMOA ISLANDS REGION

Origin Time: Sun 2016-07-10 13:41:53 UTC (13:41:53 local)

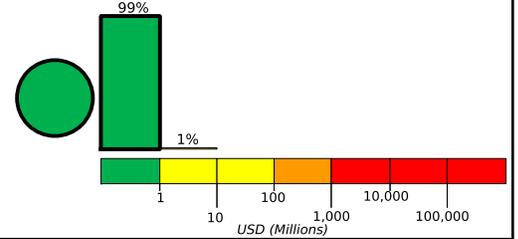
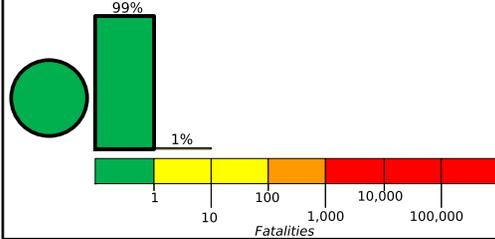
Location: 15.03°S 172.88°W Depth: 8 km

Created: 7 weeks, 2 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

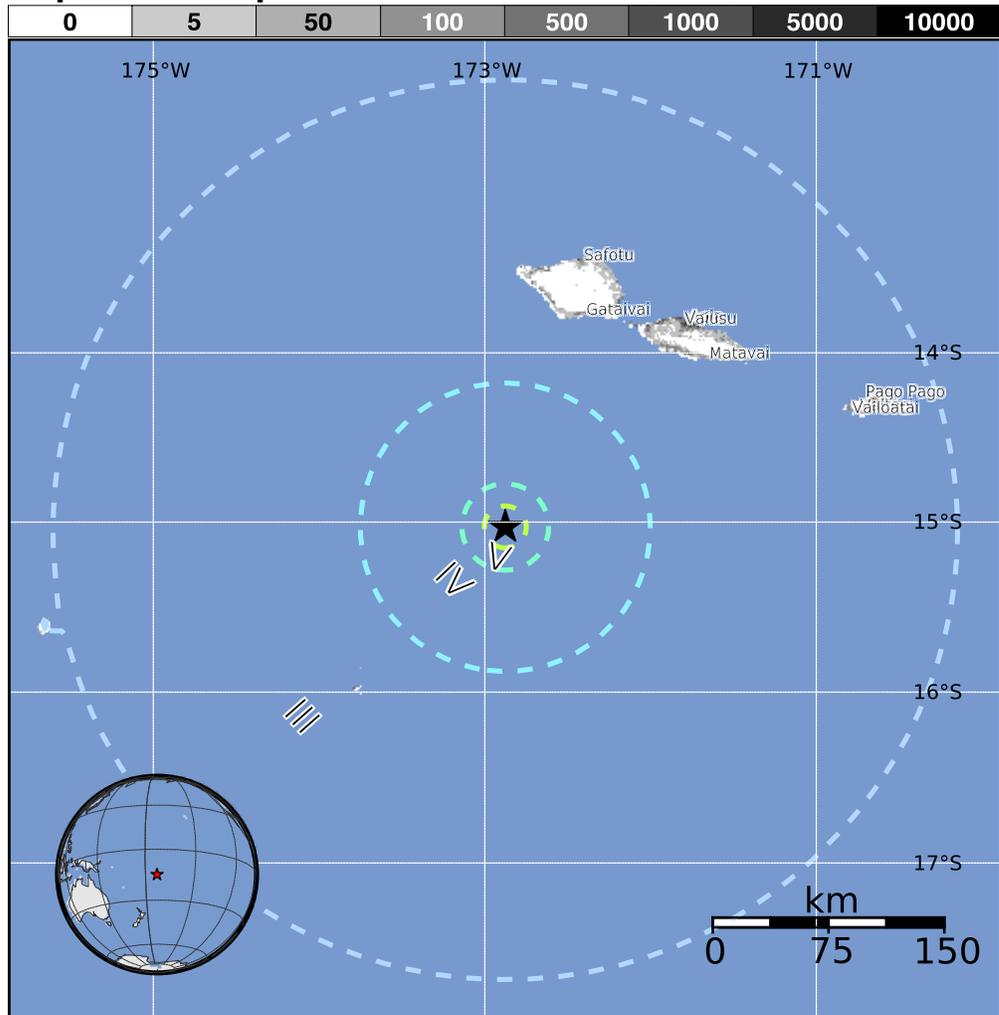


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)	--*	261k	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
	Vulnerable Structures	none	none	none	Light	Moderate	Moderate/Heavy	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	196	6.9	IV(220k)	0
1985-06-03	67	6.6	VI(1k)	0
1995-04-07	71	7.3	VII(38)	0

Selected City Exposure

from GeoNames.org

MMI	City	Population
III	Fasito`outa	2k
III	Afenga	2k
III	Satapuāla	1k
III	Nofoali`i	2k
III	Leulumoega	1k
III	Matavai	1k
III	Leone	4k
III	Faleniu	3k
III	Pago Pago	12k
III	Tafuna	11k
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/earthquakes/eventpage/us100062dw>

Event ID: us100062dw