

M 6.4, 50km WNW of Fais, Micronesia

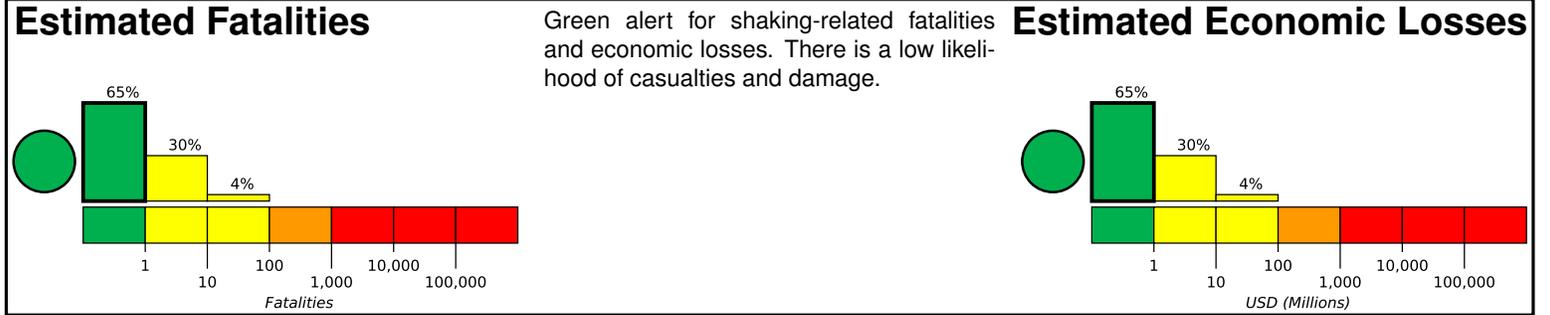
Origin Time: 2017-12-08 09:51:10 UTC (Fri 18:51:10 local)

Location: 10.0090° N 140.1315° E Depth: 20.3 km

FOR TSUNAMI INFORMATION, SEE: tsunami.gov

Created: 2 hours, 3 minutes after earthquake

PAGER Version 2

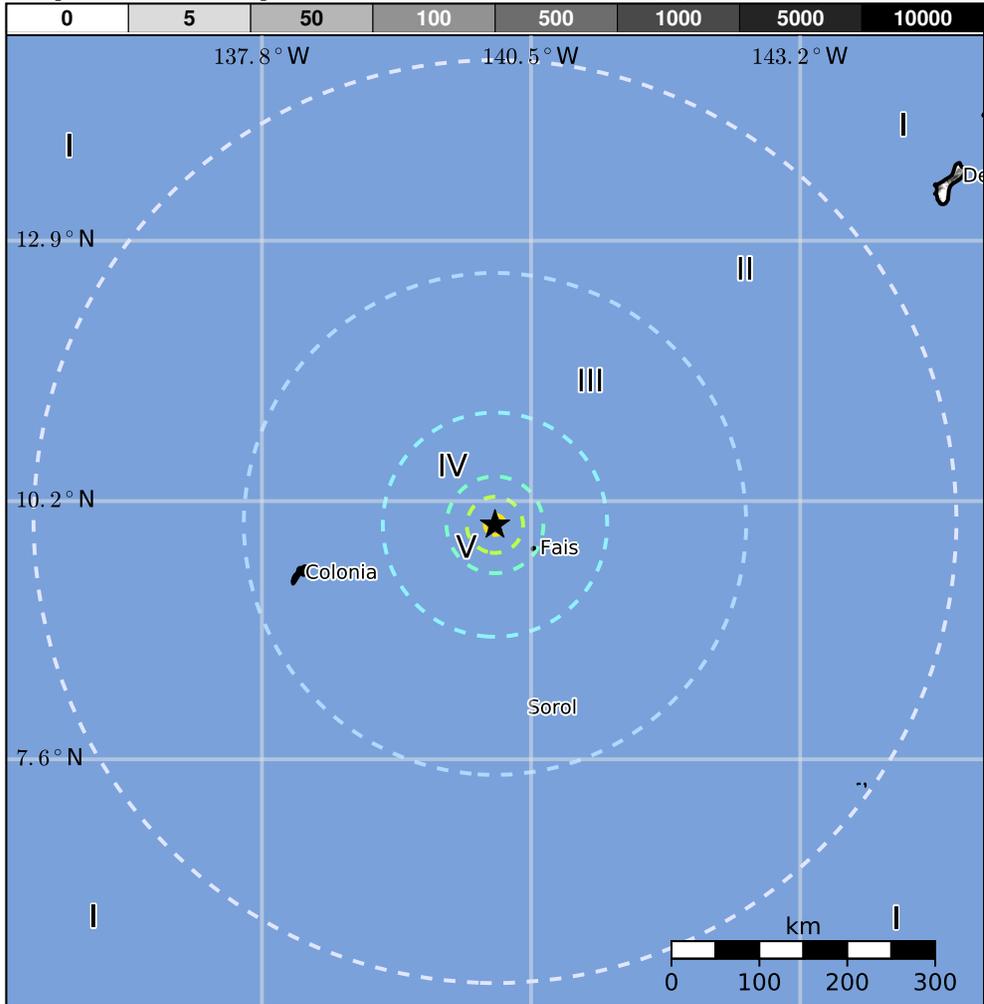


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	169k*	11k	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 a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are informal (metal, timber, GI etc.) and unknown/miscellaneous types construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1993-09-26	199	6.3	V(11k)	-
1988-07-03	274	6.5	VI(10k)	-
1990-06-13	212	5.5	VII(11k)	-

Selected City Exposure

from GeoNames.org

MMI	City	Population
V	Fais	0
III	Colonia	7k
III	Sorol	<1k
III	Rumung	<1k
II	Ngulu	<1k
II	Eauripik	<1k
I	Dededo Village	45k
I	Yigo Village	21k
I	Tamuning-Tumon-Harmon Village	20k
I	Mangilao Village	15k
I	Barrigada Village	9k

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.

bold cities appear on map.

(k = x1000)