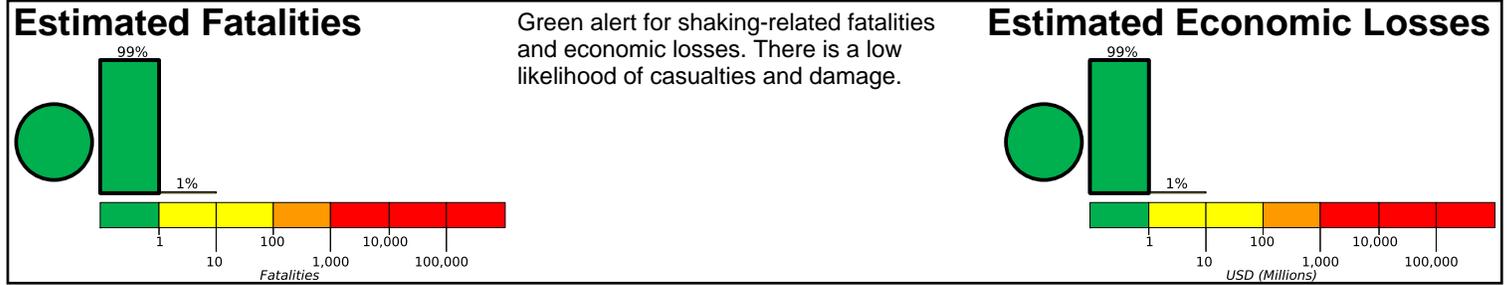


M 4.9, NEAR THE SOUTH COAST OF PAPUA, INDONESIA

Origin Time: Wed 2013-11-20 18:44:18 UTC (03:44:18 local)

Location: 4.04°S 133.86°E Depth: 32 km

Created: 3 hours, 52 minutes after earthquake

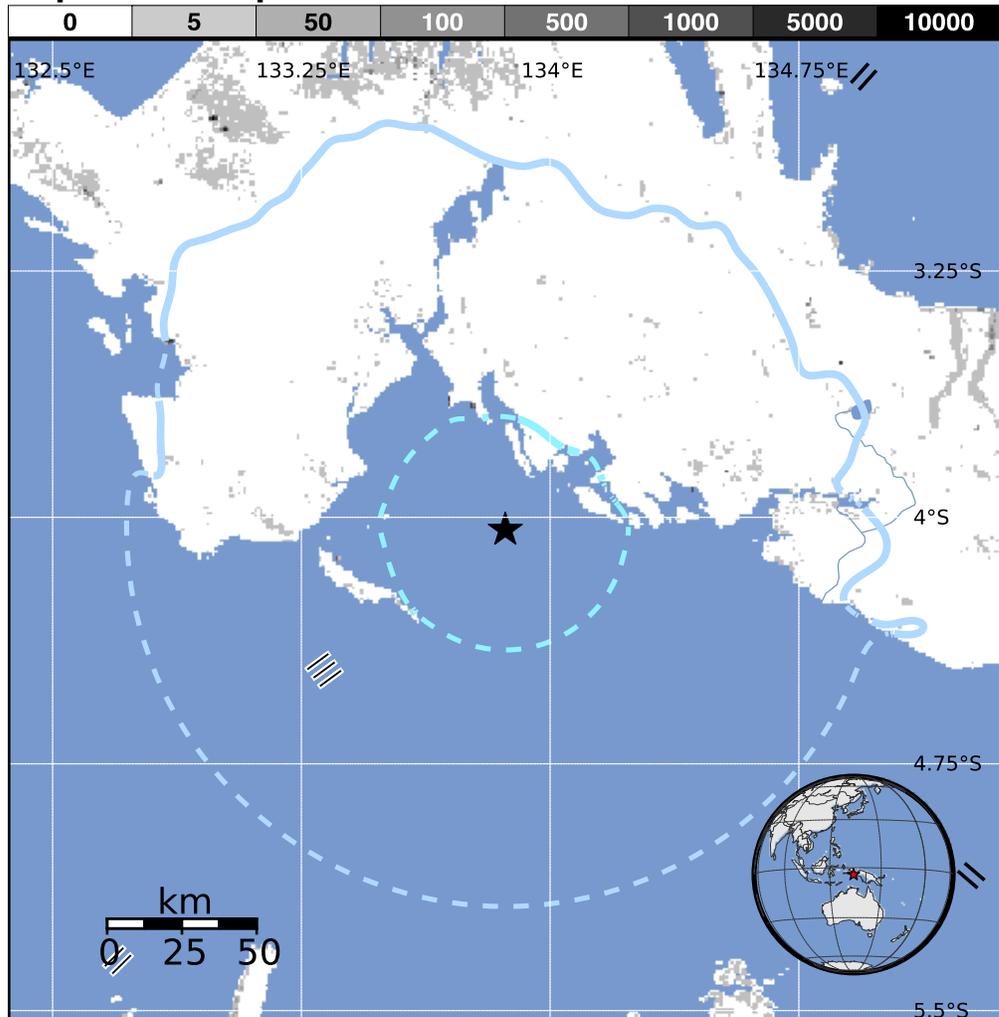


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	125k	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
1991-06-14	223	4.8	IV(5k)	0
2004-12-01	197	5.5	VII(419)	1
2004-02-05	195	7.0	VIII(33k)	37

Recent earthquakes in this area have caused secondary hazards such as landslides, fires, and liquefaction that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI City	Population

bold cities appear on map

(k = x1000)