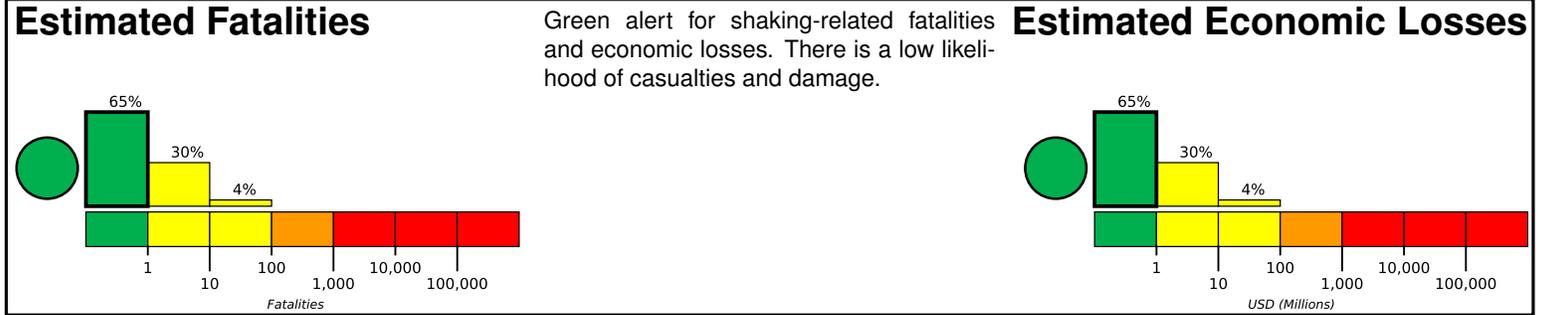


M 6.2, 40 km WNW of Tamarindo, Costa Rica

Origin Time: 2024-10-12 17:43:44 UTC (Sat 11:43:44 local)
 Location: 10.4967° N 86.1497° W Depth: 16.0 km

PAGER Version 6

Created: 3 weeks, 4 days after earthquake

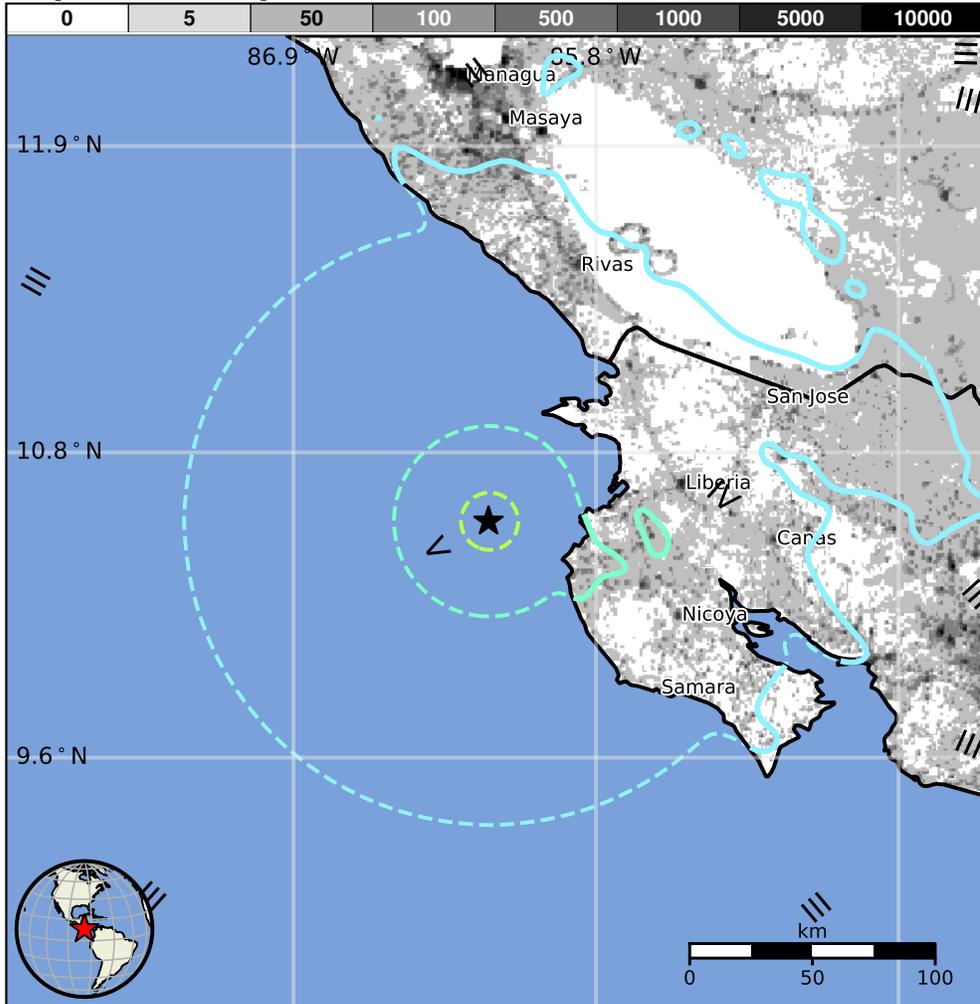


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	2,987k*	1,233k	53k	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 highly vulnerable to earthquake shaking, though some resistant structures exist. The predominant vulnerable building types are mud wall and informal (metal, timber, GI etc.) construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1993-07-10	287	5.8	VII(45k)	1
2000-07-06	159	5.4	VII(173k)	7
1972-12-23	206	6.2	VIII(311k)	11k

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

Selected City Exposure

from GeoNames.org

MMI	City	Population
V	Sardinal	3k
V	Belen	3k
IV	Santa Cruz	12k
IV	Liberia	45k
IV	Nicoya	15k
IV	San Juan del Sur	8k
IV	Puntarenas	36k
IV	Granada	89k
III	Masaya	130k
III	Juigalpa	55k
III	Managua	973k

bold cities appear on map.

(k=x1000)