

M 5.5, OFF THE COAST OF COSTA RICA

Origin Time: Mon 2013-08-12 05:18:59 UTC (23:18:59 local)

Location: 10.46°N 86.94°W Depth: 22 km

Created: 6 weeks, 2 days after earthquake

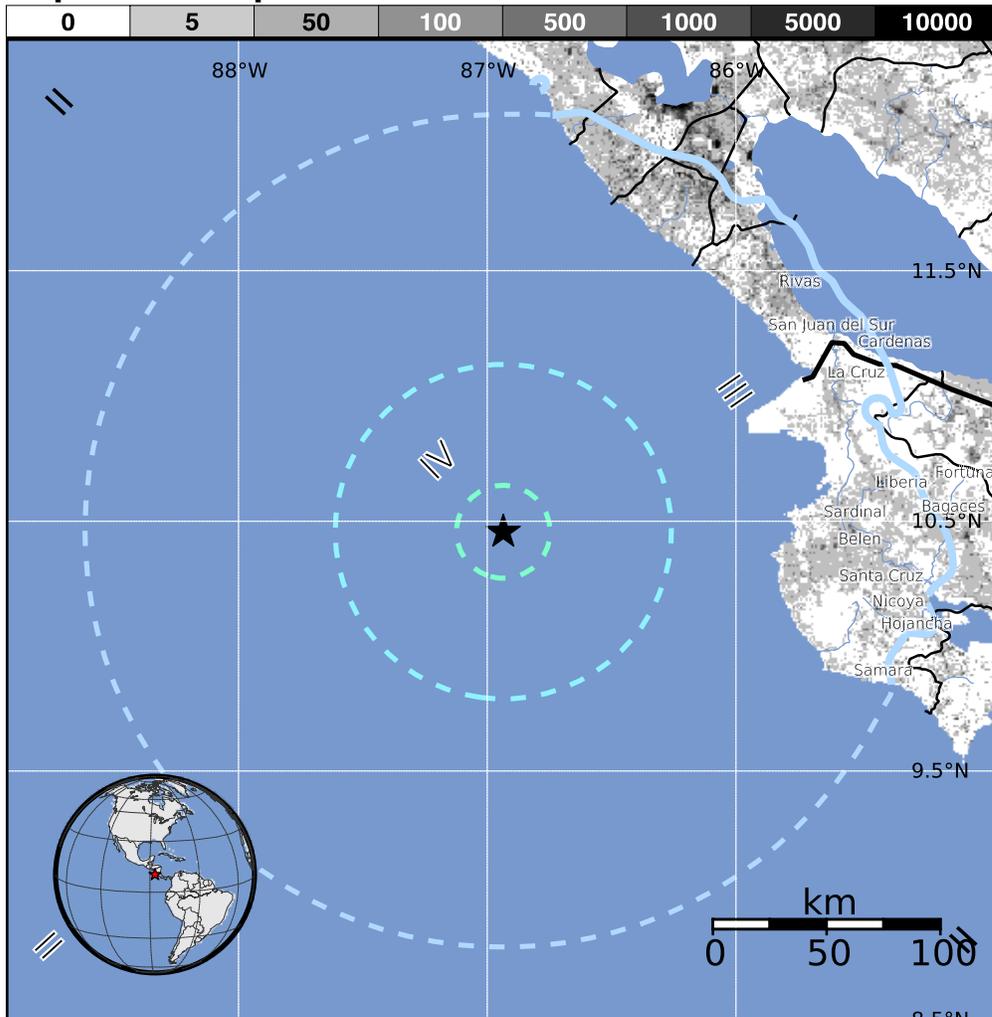


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	3,174k	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	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 a mix of vulnerable and earthquake resistant construction.

Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2004-04-07	354	5.4	VI(3k)	0
1993-07-10	370	5.8	VIII(893)	1
1973-04-14	228	6.5	VIII(9k)	26

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

Selected City Exposure

from GeoNames.org

MMI	City	Population
III	Sardinal	3k
III	Rivas	30k
III	Buenos Aires	2k
III	Belen	3k
III	San Juan del Sur	8k
III	Santa Cruz	12k
III	Liberia	45k
III	Jinotepe	30k
II	Masaya	130k
II	Managua	973k
II	Juigalpa	55k

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: usb000j0zb