

**M 5.8, ANTOFAGASTA, CHILE**

Origin Time: Fri 2013-08-23 08:34:06 UTC (05:34:06 local)

Location: 22.27°S 68.59°W Depth: 111 km

Created: 9 weeks, 0 days after earthquake

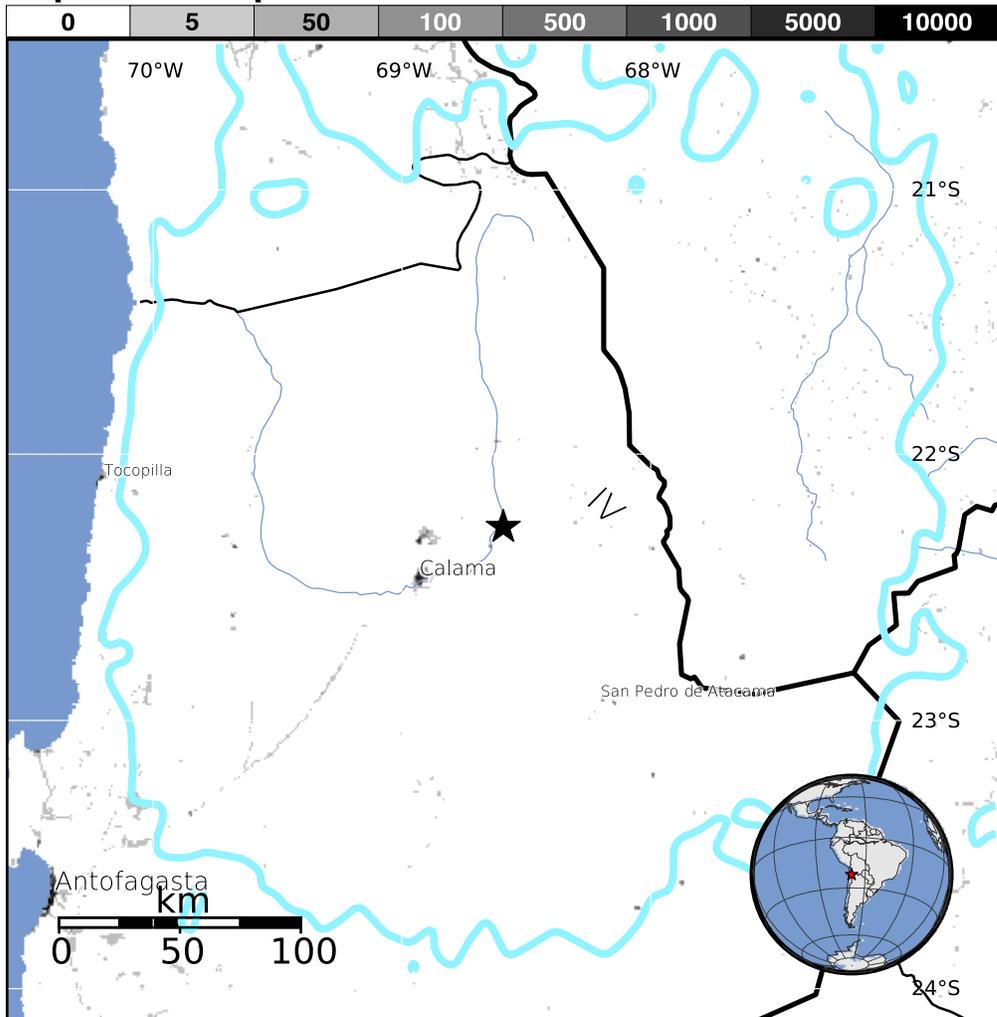


**Estimated Population Exposed to Earthquake Shaking**

ESTIMATED POPULATION EXPOSURE (k = x1000)		- -*	370k*	199k	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 resistant to earthquake shaking, though some vulnerable structures exist.

**Historical Earthquakes (with MMI levels):**

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1981-01-07	282	5.6	VI(1)	0
1987-08-08	387	7.2	VIII(112)	5
1981-06-21	294	5.7	VII(6k)	10

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
<b>IV Calama</b>	<b>143k</b>
<b>III Tocopilla</b>	<b>24k</b>
III Uyuni	10k
<b>III Antofagasta</b>	<b>310k</b>

bold cities appear on map

(k = x1000)