

**M 5.3, MENDOZA, ARGENTINA**

Origin Time: Wed 2013-06-19 21:29:11 UTC (18:29:11 local)

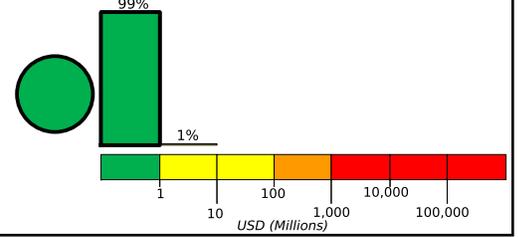
Location: 32.67°S 70.01°W Depth: 104 km

Created: 2 weeks, 2 days after earthquake

**Estimated Fatalities**

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

**Estimated Economic Losses**

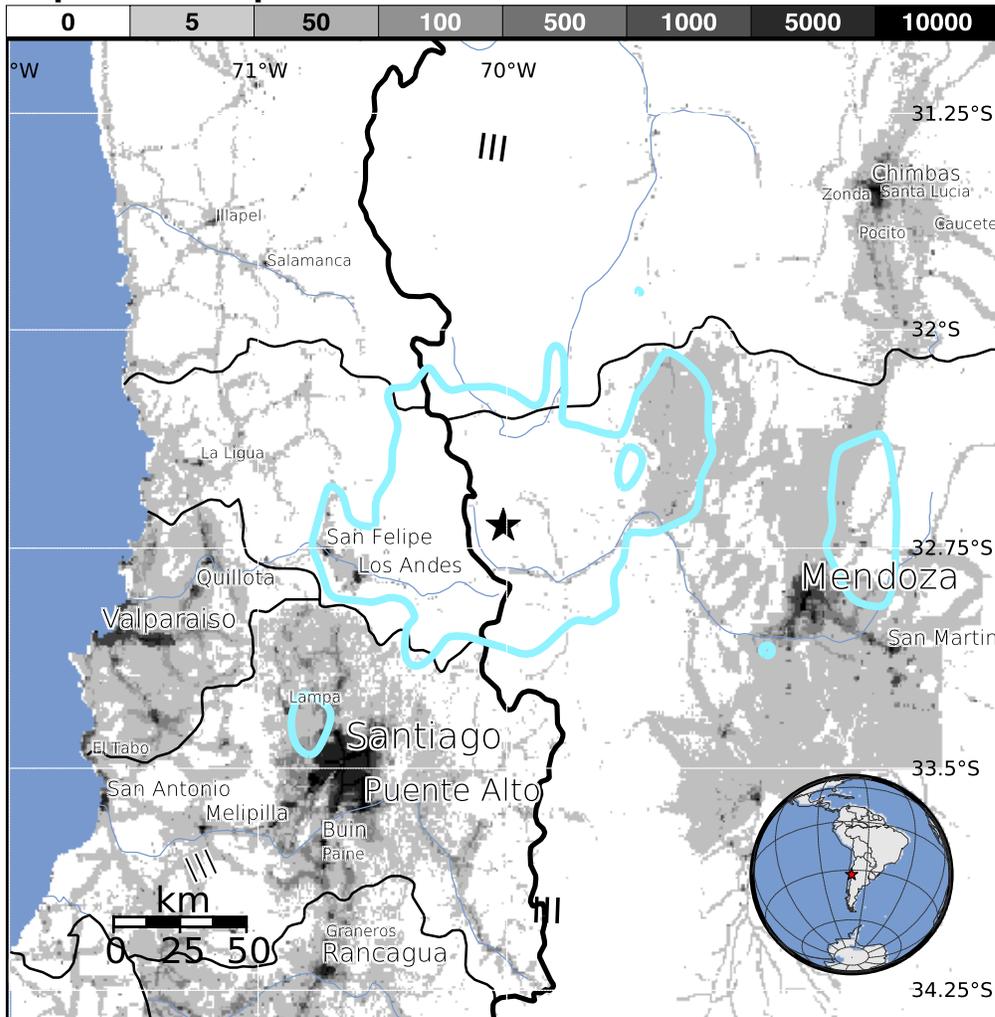


**Estimated Population Exposed to Earthquake Shaking**

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	10,838k*	599k	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
2003-11-01	395	5.1	IV(4k)	0
1977-11-24	243	6.3	IX(1k)	0
1977-11-23	271	7.4	IX(20k)	70

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
IV	Los Andes	57k
IV	San Felipe	59k
IV	Hacienda La Calera	49k
III	Puente Alto	510k
III	Quillota	68k
III	La Pintana	201k
III	Santiago	4,837k
III	Mendoza	877k
III	Rancagua	213k
III	San Juan	447k
III	Valparaiso	282k

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: usc000hvkq