

**M 7.0, COQUIMBO, CHILE**

Origin Time: Wed 2015-09-16 23:18:41 UTC (20:18:41 local)

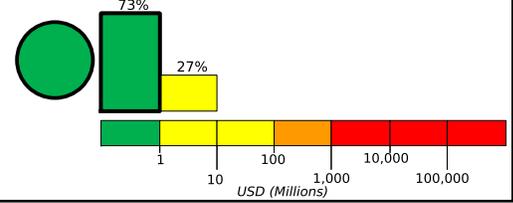
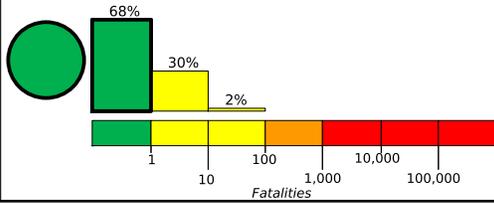
Location: 31.56°S 71.43°W Depth: 28 km

Created: 4 weeks, 3 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**

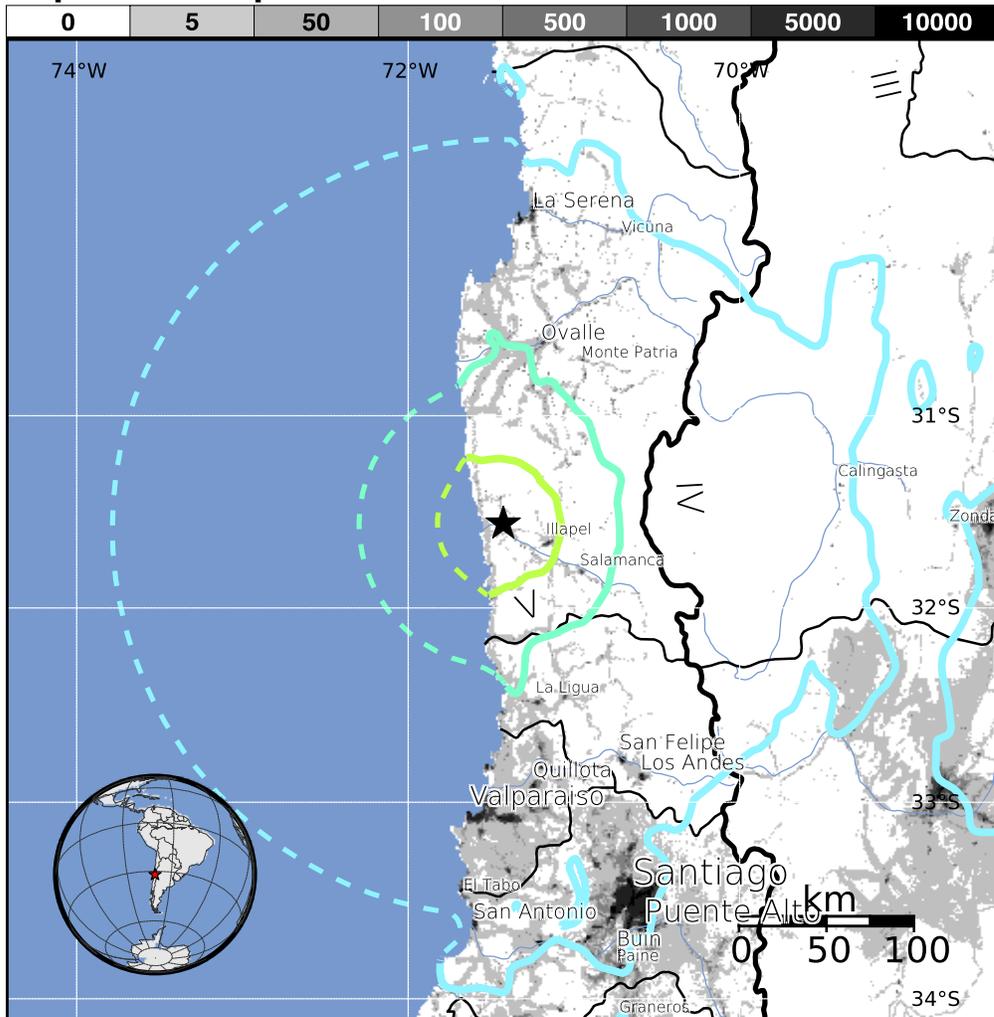


**Estimated Population Exposed to Earthquake Shaking**

ESTIMATED POPULATION EXPOSURE (k = x1000)	- - *	1,281k*	10,431k	84k	53k	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
1986-12-19	176	5.0	V(236k)	0
1997-10-15	82	7.1	VIII(3k)	7
1985-03-03	175	7.9	VII(7,023k)	177

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
<b>VI Illapel</b>	<b>23k</b>
<b>V Salamanca</b>	<b>13k</b>
<b>IV Ovalle</b>	<b>77k</b>
<b>IV Monte Patria</b>	<b>14k</b>
<b>IV Lo Prado</b>	<b>104k</b>
<b>IV Hacienda La Calera</b>	<b>49k</b>
<b>IV Santiago</b>	<b>4,837k</b>
<b>IV La Serena</b>	<b>155k</b>
<b>IV Valparaiso</b>	<b>282k</b>
<b>IV San Juan</b>	<b>447k</b>
<b>III Mendoza</b>	<b>877k</b>

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: us20003k7w