

# M 8.8, OFFSHORE MAULE, CHILE

Origin Time: Sat 2010-02-27 06:34:14 UTC

Location: 35.85°S 72.72°W Depth: 35 km

**PAGER**  
**Version 5**

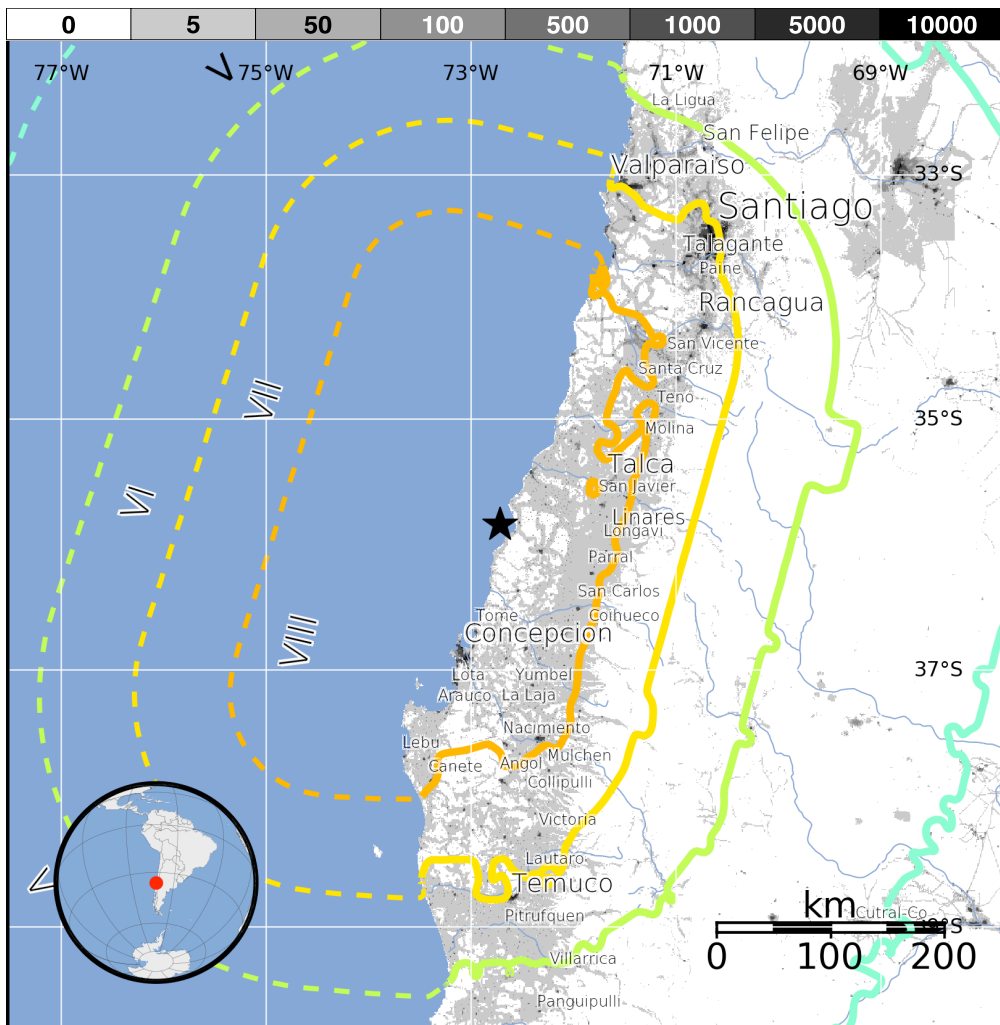
Created: 3 hours, 10 minutes after earthquake

## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	--*	483k*	2,099k*	3,553k	6,219k	2,997k	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		<b>I</b>	<b>II-III</b>	<b>IV</b>	<b>V</b>	<b>VI</b>	<b>VII</b>	<b>VIII</b>	<b>IX</b>	<b>X+</b>
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

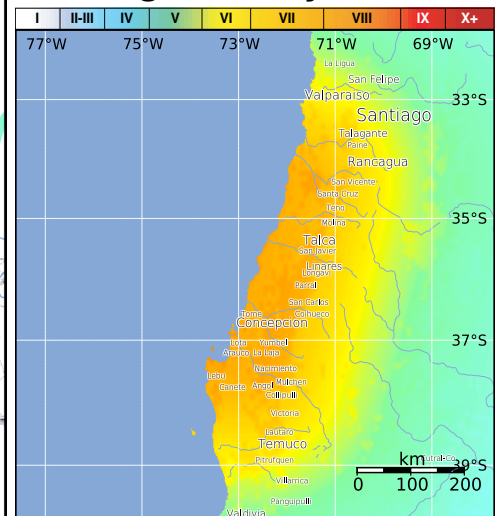


### Selected City Exposure

MMI City	Population
<b>VIII Arauco</b>	25k
<b>VIII Lota</b>	50k
<b>VIII Concepcion</b>	215k
VIII Constitucion	38k
VII Bulnes	13k
VII Cabrero	18k
<b>VII Talca</b>	197k
<b>VII Rancagua</b>	213k
<b>VI Temuco</b>	238k
<b>VI Valparaiso</b>	282k
<b>VI Santiago</b>	4,837k

bold cities appear on map (k = x1000)

### Shaking Intensity



Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though some resistant structures exist. On May 22, 1960 (UTC), a magnitude 9.5 earthquake 273 km South of this one struck Valdivia, Chile, with estimated population exposures of 230,000 at intensity VIII and 216,000 at intensity IX, resulting in a reported 3263 deaths from the earthquake and tsunami. Recent earthquakes in this area have caused tsunamis, landslides, and liquefaction that may have contributed to losses.

This information was automatically generated and has not been reviewed by a seismologist.