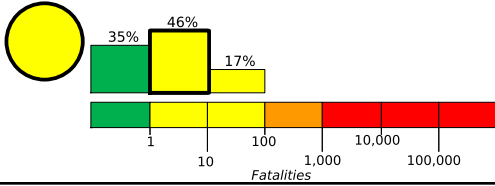


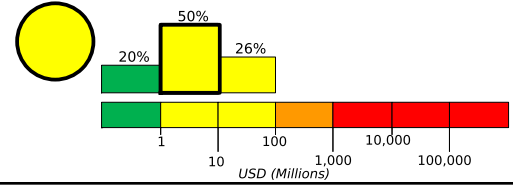
Estimated Fatalities

Yellow alert for shaking-related fatalities and economic losses. Some casualties and damage are possible and the impact should be relatively localized. Past yellow alerts have required a local or regional level response.



Estimated economic losses are less than 1% of GDP of Chile.

Estimated Economic Losses

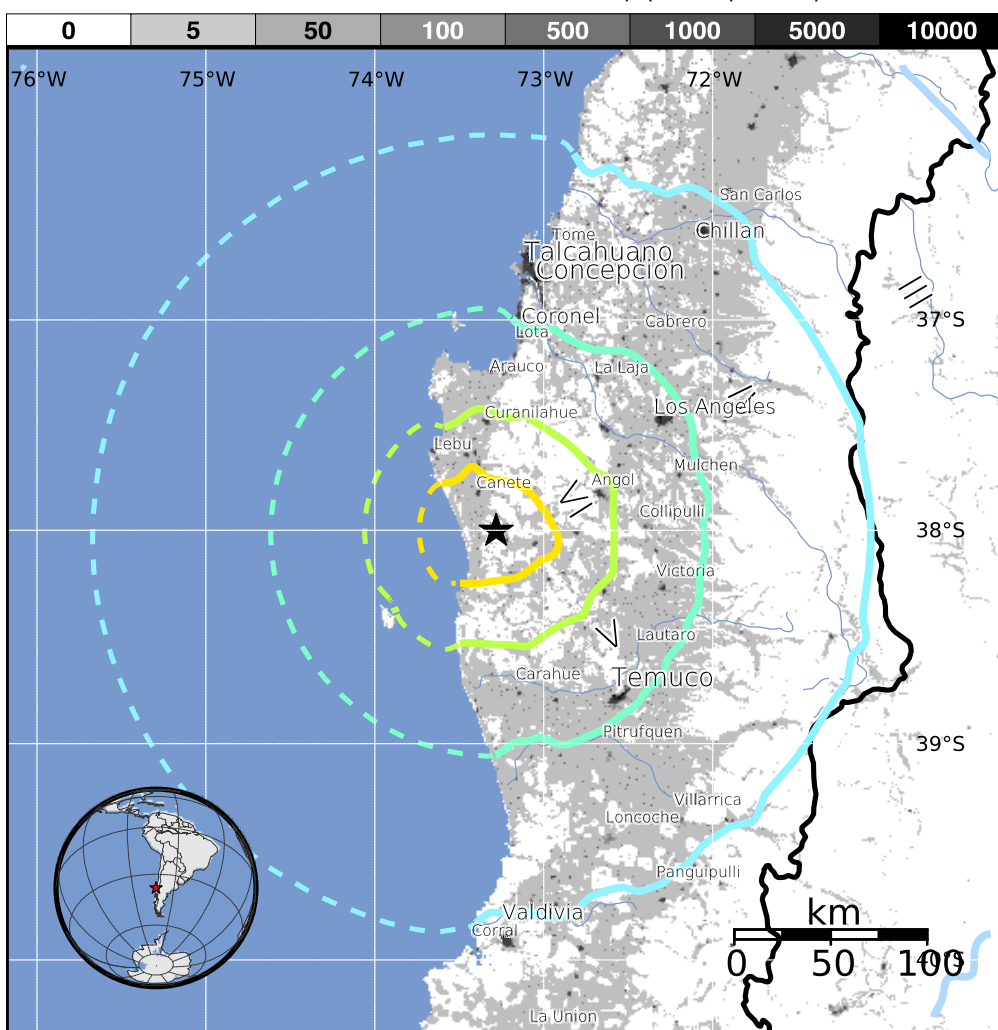


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)	- - *	685k*	1,788k	930k	192k	60k	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. The predominant vulnerable building types are low-rise reinforced/confined masonry and adobe block construction.

Historical Earthquakes (with MMI levels):

Date	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2004-06-15	96	5.9	VII(78k)	0
1974-08-18	50	7.1	IX(9k)	0
2004-05-03	29	6.6	IX(23k)	0

Selected City Exposure

from GeoNames.org

MMI	City	Population
VI	Canete	20k
V	Lebu	22k
V	Curanilahue	31k
V	Angol	45k
V	Traiguen	14k
V	Collipulli	16k
IV	Temuco	238k
IV	Concepcion	215k
IV	Talcahuano	253k
III	Chillan	150k
III	Valdivia	133k

bold cities appear on map

(k = x1000)