

M 6.0, OFFSHORE BIO-BIO, CHILE

Origin Time: Tue 2016-11-08 04:55:45 UTC (04:55:45 local)

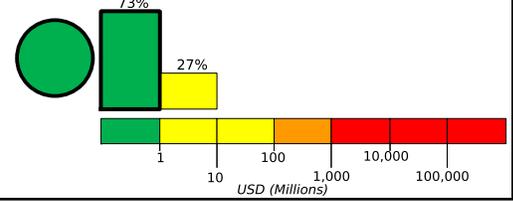
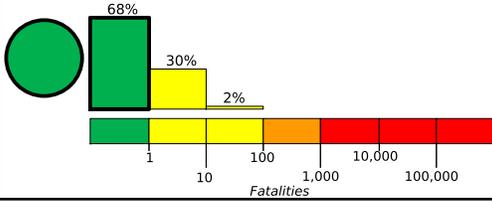
Location: 36.58°S 73.57°W Depth: 20 km

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

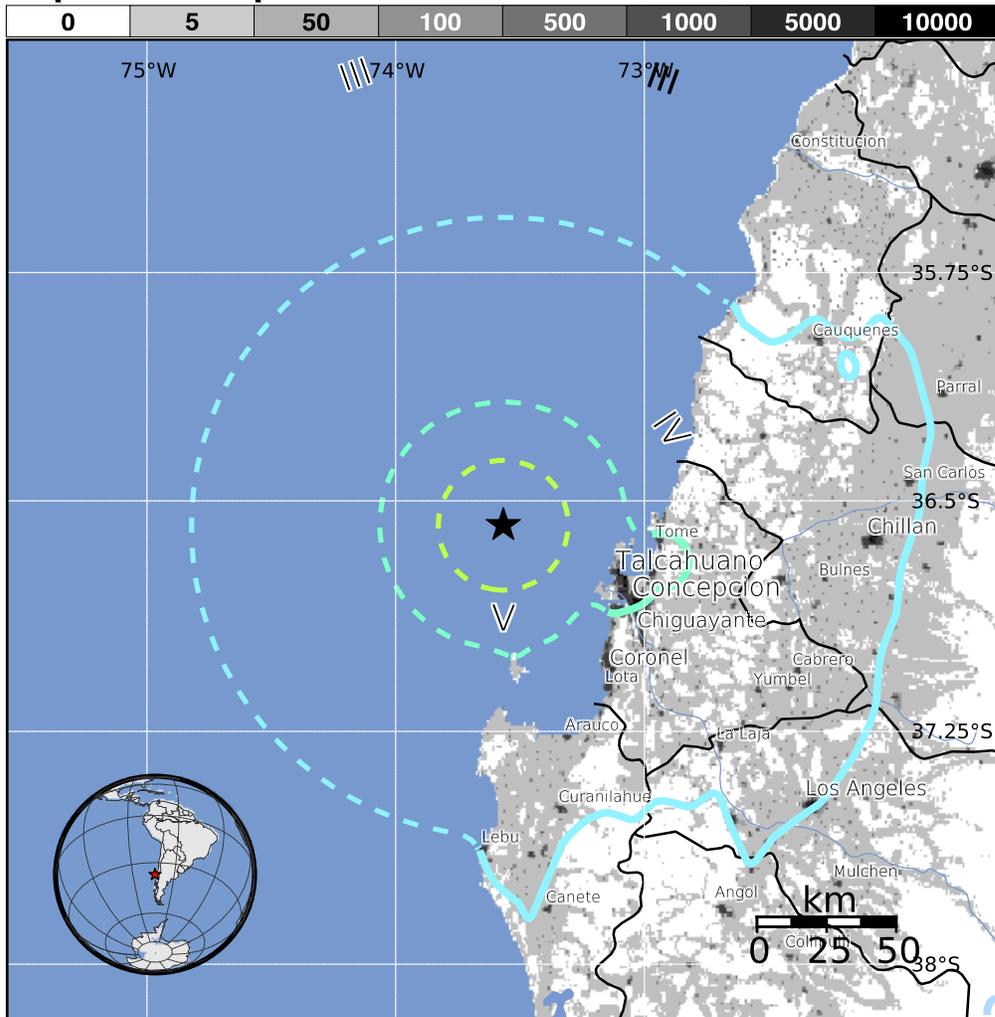


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)	- -*	871k*	1,162k	784k	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
	Vulnerable Structures	none	none	none	Light	Moderate	Moderate/Heavy	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
2001-01-07	370	5.9	V(1,643k)	0
1975-05-10	190	7.8	VIII(69k)	0
2004-08-28	341	6.5	IX(346)	0

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
V	Concepcion	215k
V	Talcahuano	253k
V	Penco	46k
V	Tome	47k
IV	Chiguayante	83k
IV	Arauco	25k
IV	Coronel	93k
IV	Chillan	150k
IV	Los Angeles	125k
III	Linares	70k
III	Talca	197k

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/earthquakes/eventpage/us10007681>

Event ID: us10007681