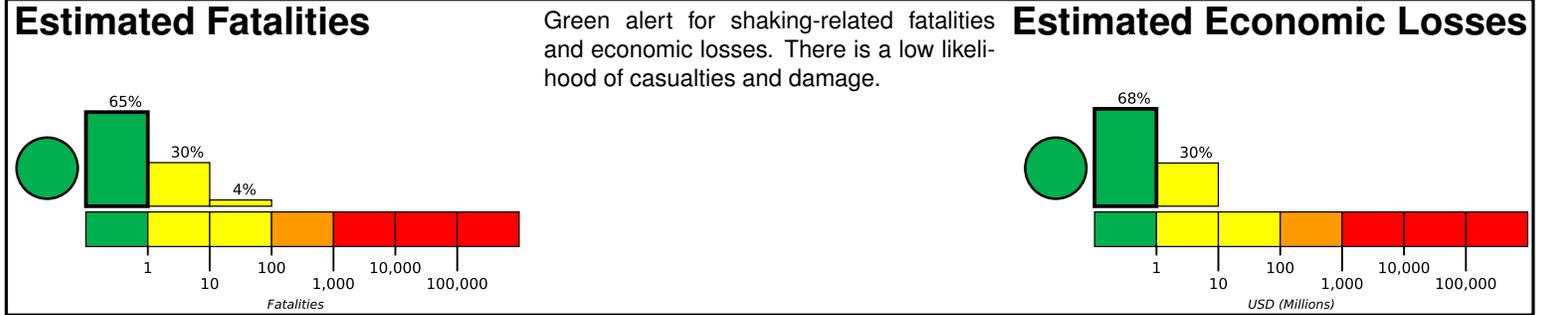


M 6.3, 105 km WSW of Constitucin, Chile

Origin Time: 2023-03-30 17:33:08 UTC (Thu 12:33:08 local)
Location: 35.6663° S 73.4965° W Depth: 26.0 km

PAGER Version 9

Created: 79 weeks, 5 days after earthquake

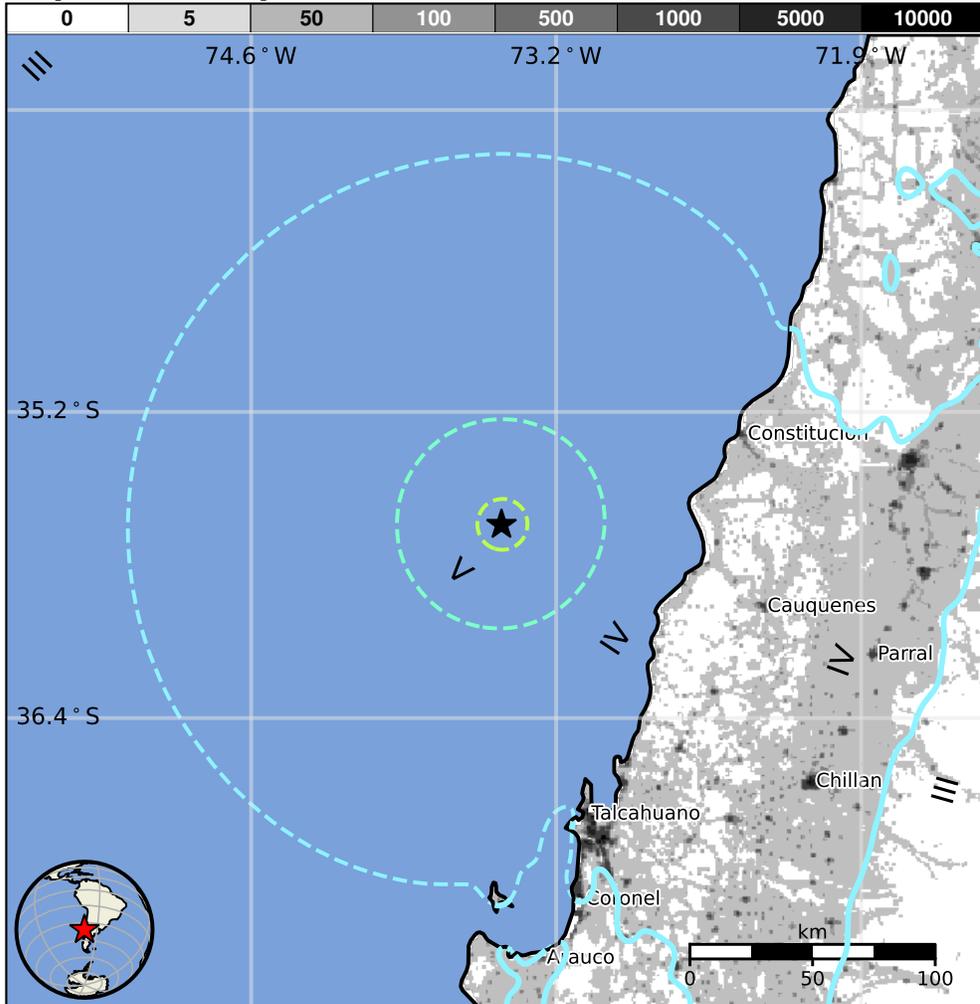


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	—*	284k*	2,453k	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	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./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 vulnerable structures exist. The predominant vulnerable building types are adobe block and rubble/field stone masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1981-10-16	277	7.1	VI(29k)	0
1960-05-22	294	9.6	IX(227k)	0
1985-03-03	322	7.9	VII(5,319k)	177

Recent earthquakes in this area have caused secondary hazards such as liquefaction that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Cauquenes	31k
IV	Constitucion	38k
IV	Linares	70k
IV	Bulnes	13k
IV	San Javier	22k
IV	San Carlos	32k
IV	Chillan	150k
IV	Talca	197k
IV	Coronel	93k
IV	Talcahuano	253k
IV	Concepcion	215k

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.

<https://earthquake.usgs.gov/earthquakes/eventpage/us6000k0xf#pager>

Event ID: us6000k0xf