

M 6.1, SOUTH ISLAND OF NEW ZEALAND

Origin Time: Fri 2015-04-24 03:36:42 UTC (15:36:42 local)

Location: 42.06°S 173.01°E Depth: 48 km

Created: 6 weeks, 1 day after earthquake

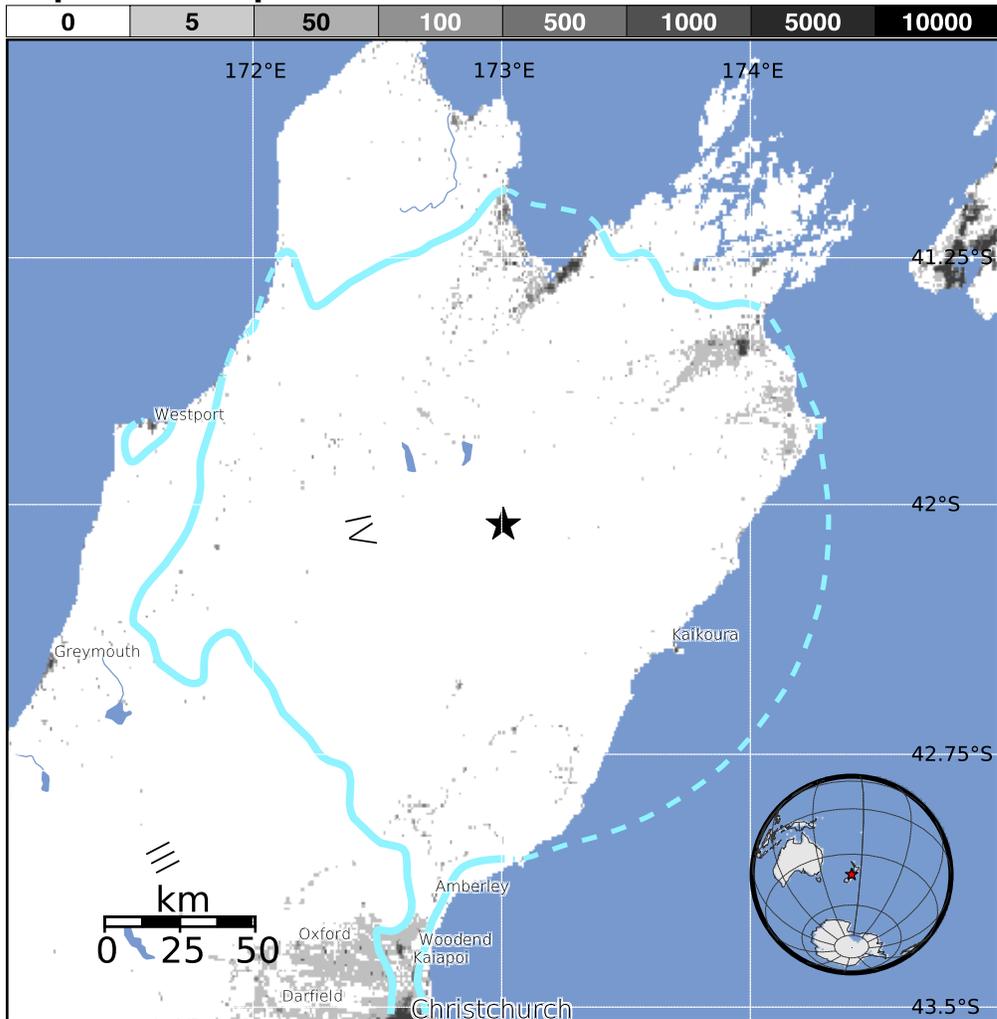


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		- -*	443k*	332k	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	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
1992-03-02	338	5.5	V(3k)	0
1990-02-10	30	6.0	VIII(61)	0
1990-05-13	329	6.4	VIII(440)	0

Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Brightwater	2k
IV	Kaikoura	2k
IV	Blenheim	27k
IV	Wakefield	2k
IV	Westport	4k
IV	Richmond	14k
IV	Nelson	59k
IV	Christchurch	364k
III	Wellington	382k
III	Lower Hutt	101k
III	Greymouth	9k

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: us200028qc