

M 5.1, COOK STRAIT, NEW ZEALAND

Origin Time: Fri 2013-08-16 03:51:35 UTC (16:51:35 local)

Location: 41.70°S 174.17°E Depth: 19 km

Created: 9 weeks, 0 days after earthquake

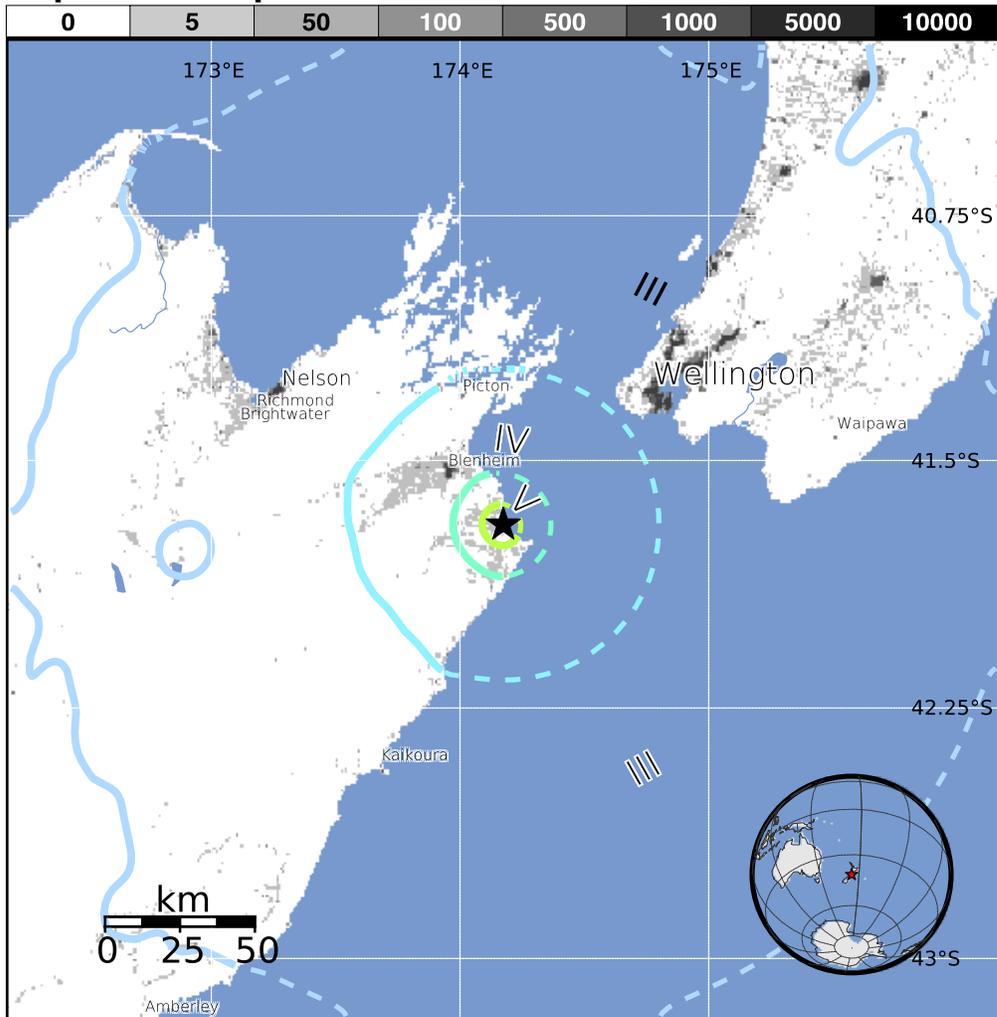


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	742k	41k	2k	2k	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
1995-11-24	237	6.1	VII(71)	0
1990-02-10	128	6.0	VIII(61)	0
1990-05-13	230	6.4	VIII(440)	0

Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Blenheim	27k
IV	Picton	3k
III	Brooklyn	4k
III	Karori	14k
III	Wellington	382k
III	Kelburn	4k
III	Richmond	14k
III	Lower Hutt	101k
III	Porirua	51k
III	Nelson	59k
III	Palmerston North	76k

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: usb000j4lh