

# M 6.6, NORTH ISLAND OF NEW ZEALAND

Origin Time: Thu 2007-12-20 07:55:19 UTC

Location: 38.84°S 177.93°E Depth: 35 km

# PAGER Version 4

Created: 12 hrs, 34 mins after earthquake

## Estimated Population Exposed to Earthquake Shaking

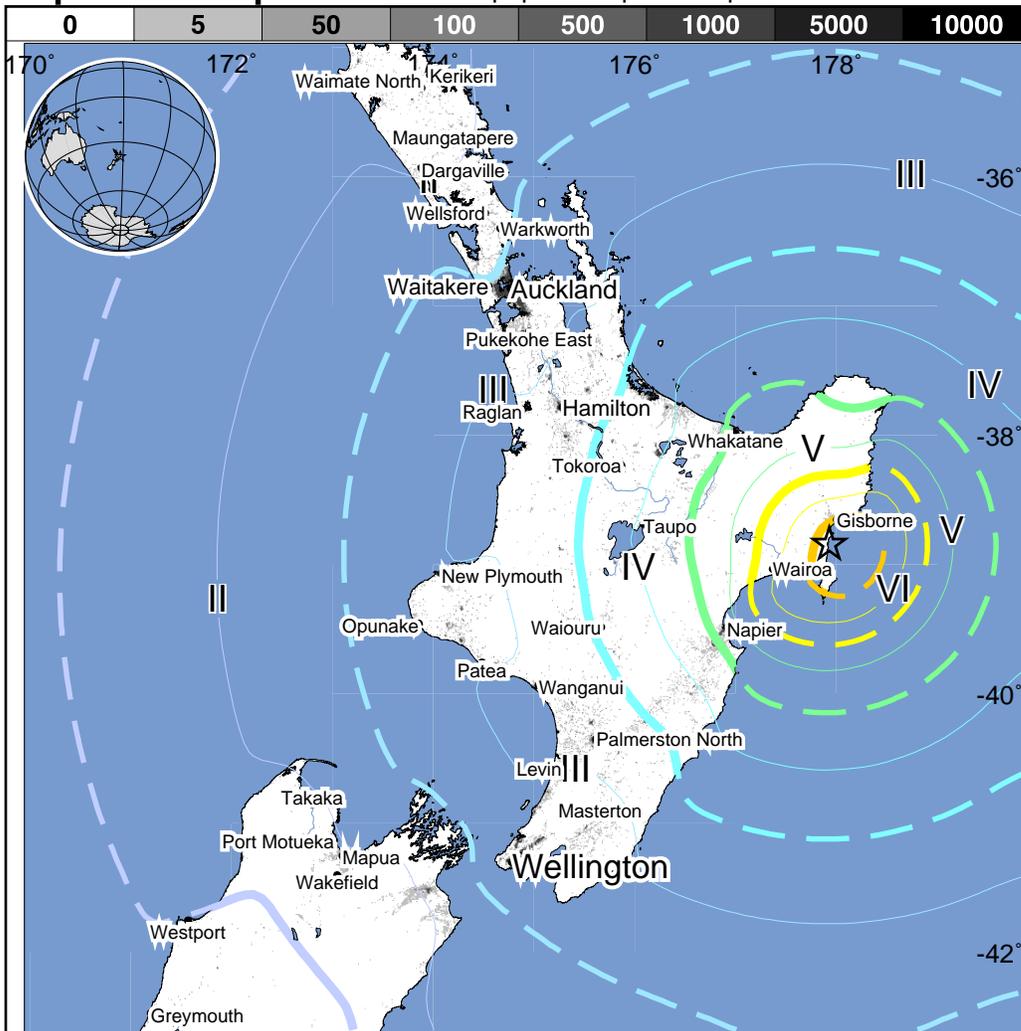
ESTIMATED POPULATION EXPOSURE (k = x1000)		23k*	2,486k*	529k*	106k	15k	36k	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	none	none	none	V. Light	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

population per ~1 sq. km from Landscan 2005

### Selected City Exposure

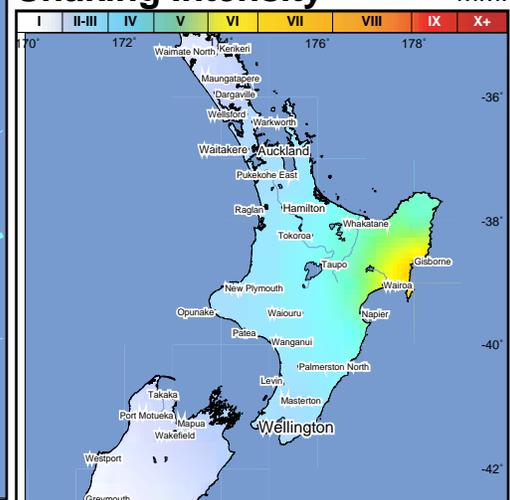


MMI City	Population
<b>VI Gisborne</b>	<b>34k</b>
<b>VI Wairoa</b>	<b>4k</b>
<b>V Napier</b>	<b>56k</b>
V Opoitiki	4k
<b>V Whakatane</b>	<b>18k</b>
V Murupara	1k
<b>IV Wellington</b>	<b>179k</b>
IV Tauranga	110k
<b>III Hamilton</b>	<b>152k</b>
<b>III Auckland</b>	<b>417k</b>
<b>III Waitakere</b>	<b>166k</b>

bold cities appear on map (k = x1000)

### Shaking Intensity

MMI



Users should consider the preliminary nature of this information and check for updates as additional data becomes available. Population exposure estimates are NOT a direct estimate of earthquake damage; comparable shaking will result in significantly lower losses in regions with well built structures than in regions with vulnerable structures. Overall, structures in this region are designed to be resistant to earthquake shaking, though some vulnerable construction exists. A magnitude 6.5 earthquake struck the Edgecumbe, New Zealand region on March 2, 1987 (UTC), with estimated population exposures of 2,000 at intensity IX or greater and 27,000 at intensity VIII, resulting in 1 death. Recent earthquakes in this area have also triggered landslide hazards that have contributed to losses.

This information was automatically generated and has not been reviewed by a seismologist.