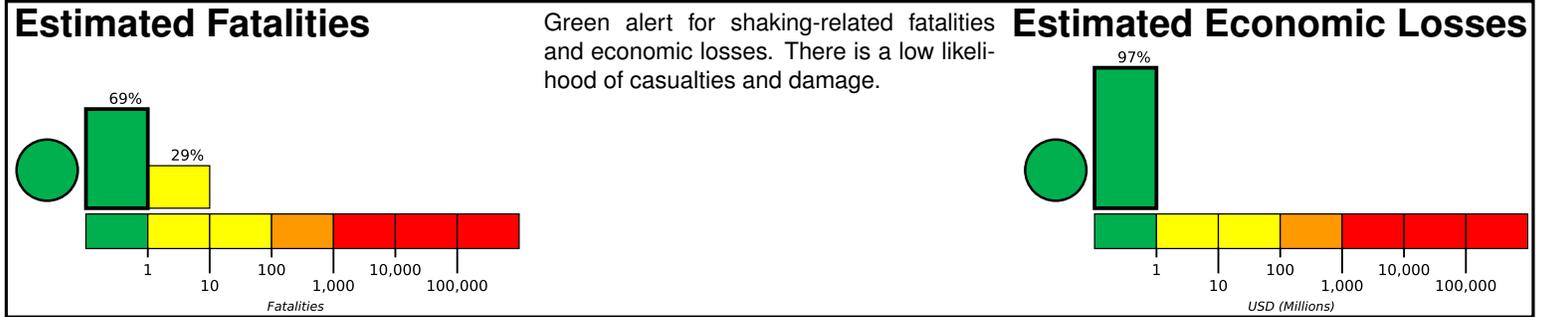


M 5.0, 17 km NNW of Matamata, New Zealand

Origin Time: 2023-01-03 16:39:23 UTC (Wed 05:39:23 local)
Location: 37.6553° S 175.7164° E Depth: 10.0 km

PAGER Version 10

Created: 8 weeks, 5 days after earthquake

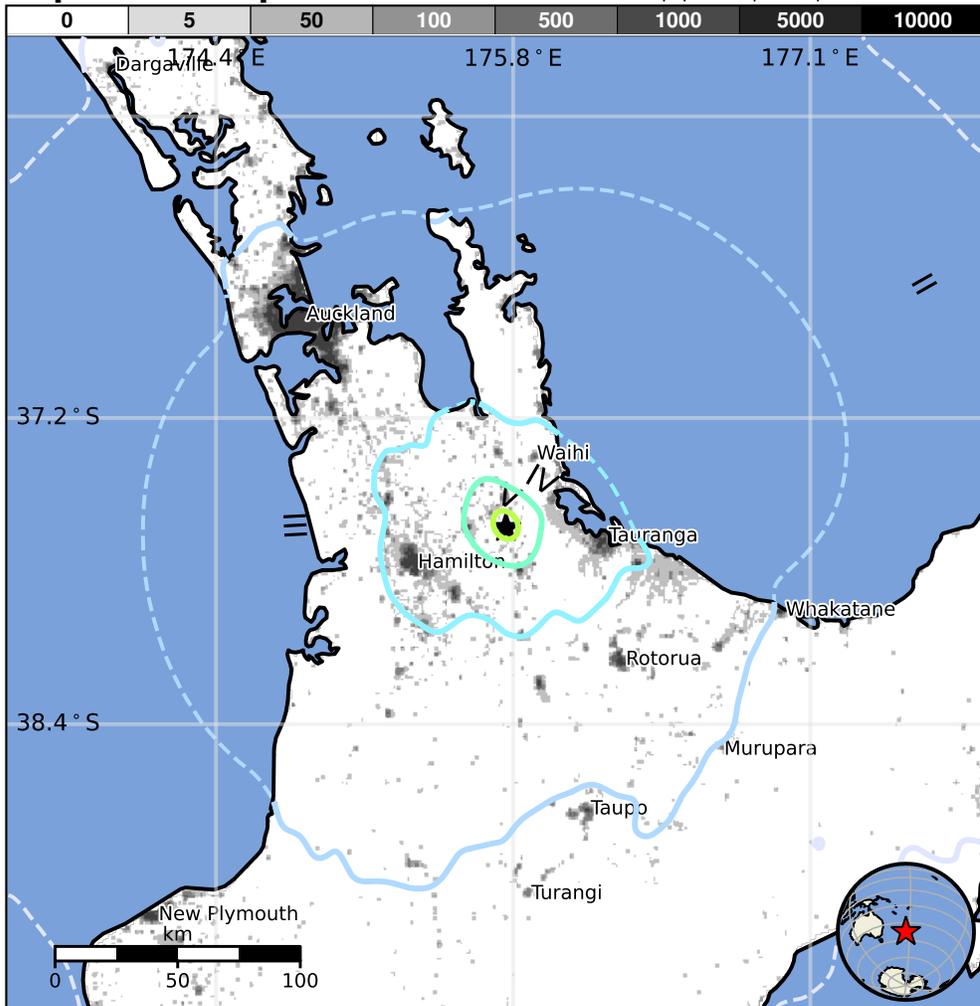


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	6k*	2,038k	459k	18k	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	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 highly resistant to earthquake shaking, though some vulnerable structures exist. The predominant vulnerable building types are reinforced masonry and unreinforced brick with timber floor construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2007-12-20	270	6.6	VI(12k)	0
1987-03-02	110	6.5	VIII(16k)	0
2004-07-18	74	5.4	V(1k)	1

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
IV	Katikati	3k
IV	Matamata	6k
IV	Paeroa	4k
IV	Tauranga	110k
IV	Ngatea	1k
IV	Cambridge	15k
IV	Hamilton	153k
III	Manukau City	362k
III	Auckland	418k
II	Whakatane	19k
II	New Plymouth	49k

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.

bold cities appear on map.

(k=x1000)