

M 6.5, MACQUARIE ISLAND REGION

Origin Time: Sat 2007-11-10 01:13:34 UTC

Location: 52.16°S 159.53°E Depth: 10 km

PAGER Version 2

Created: 1 hrs, 34 mins after earthquake

Estimated Population Exposed to Earthquake Shaking

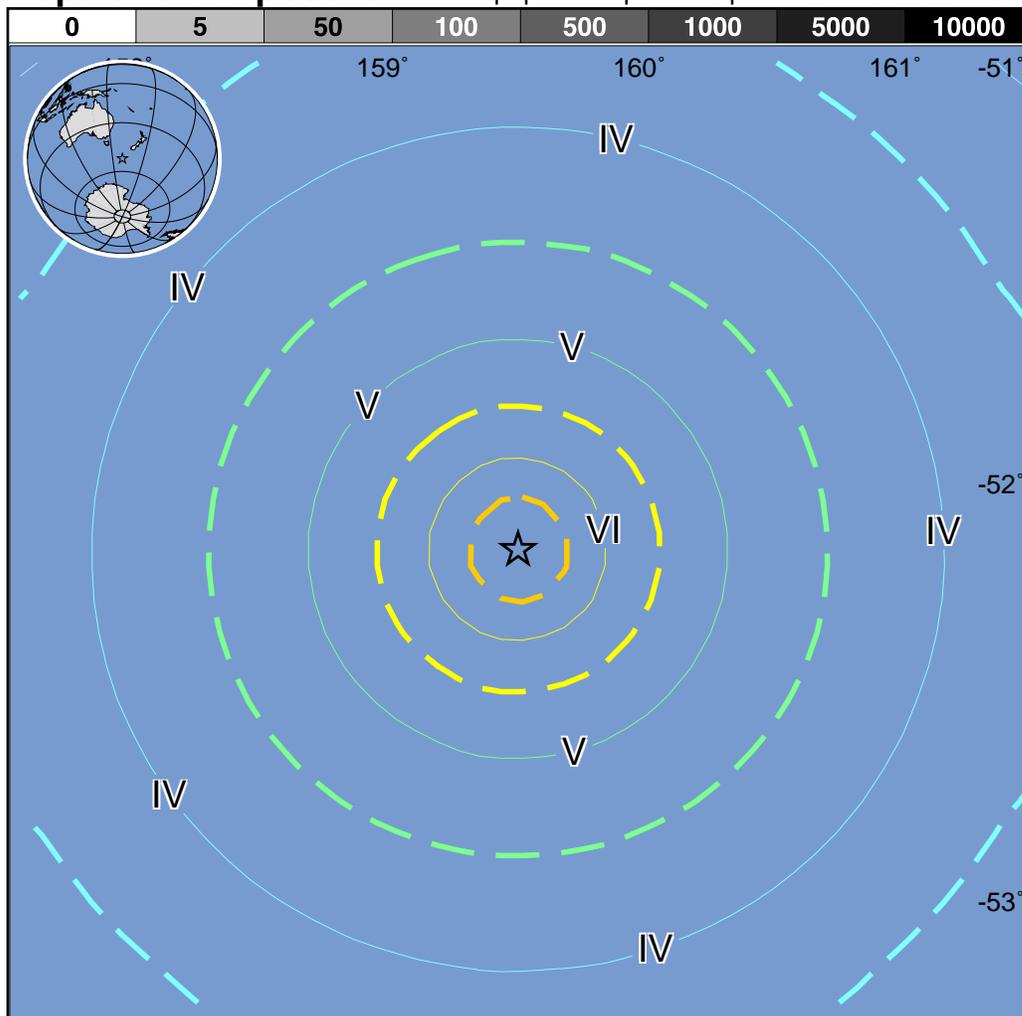
ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	--*	0	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	none	none	none	V. Light	Light	Moderate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

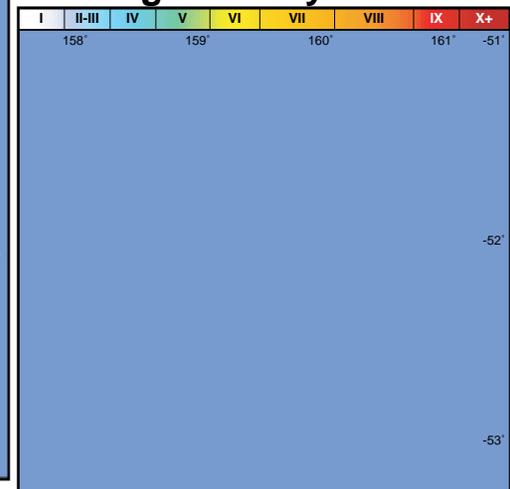
population per ~1 sq. km from Landsat 2005

Selected City Exposure



MMI City	Population
bold cities appear on map	(k = x1000)

Shaking Intensity



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 a mix of vulnerable and resistant construction. A magnitude 5.5 earthquake struck the Newcastle, Australia region on December 27, 1989 (UTC), with estimated population exposures of 110,000 at intensity VII and 220,000 at intensity VI, resulting in 9 deaths.

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

<http://earthquake.usgs.gov/pager>

Event ID: us2007jnac