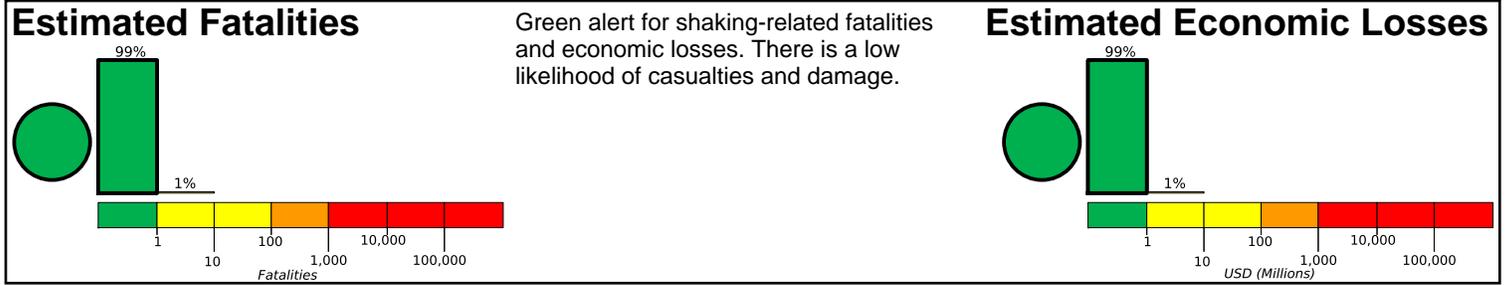


**M 6.1, OFF EAST COAST OF THE NORTH ISLAND, N.Z.**

Origin Time: Thu 2016-09-01 17:14:05 UTC (05:14:05 local)

Location: 37.04°S 178.95°E Depth: 11 km

Created: 4 weeks, 4 days after earthquake

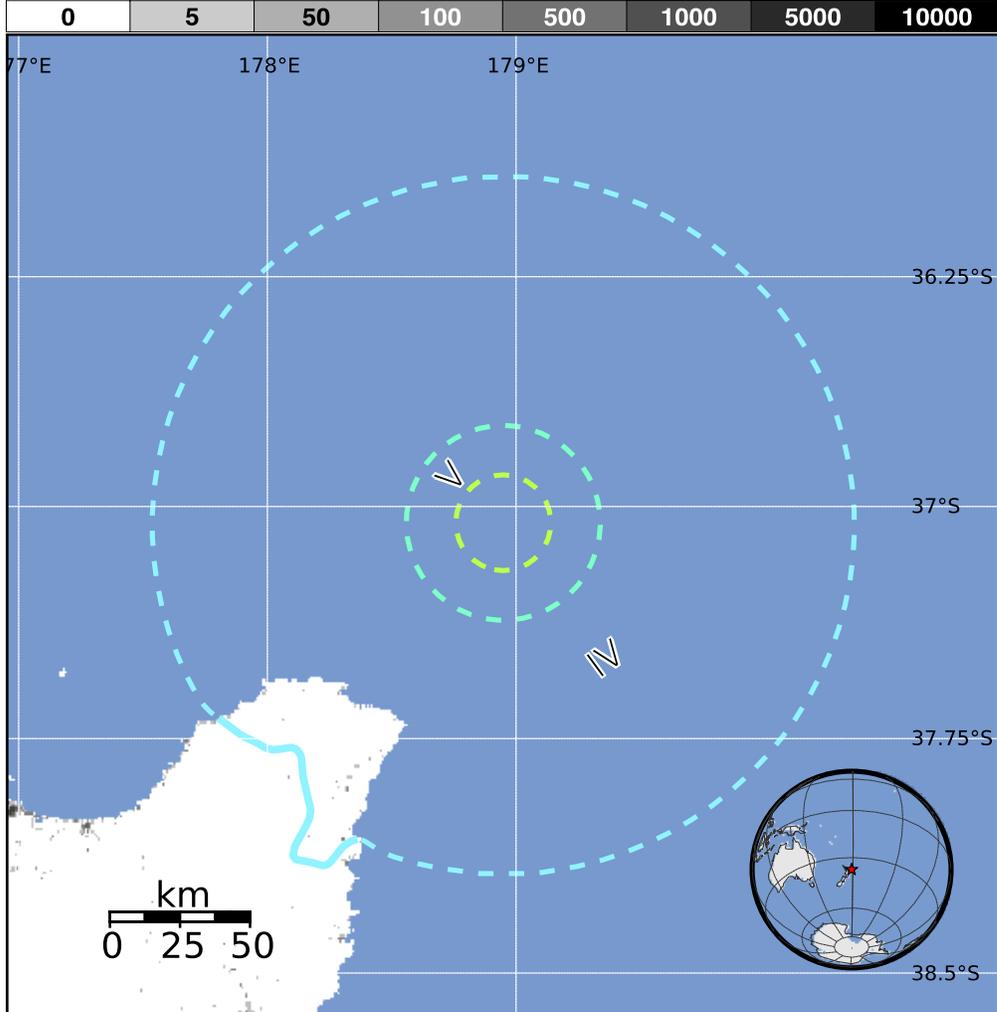


**Estimated Population Exposed to Earthquake Shaking**

|   |                       |          |        |       |          |          |                |                |          |          |
|---|-----------------------|----------|--------|-------|----------|----------|----------------|----------------|----------|----------|
| ESTIMATED POPULATION EXPOSURE (k = x1000) |                       | - -*     | 29k*   | 14k   | 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 |
|------------|------------|------|------------|----------------|
| 2001-10-21 | 30         | 6.6  | V(28)      | 0              |
| 1987-03-02 | 219        | 6.5  | IX(389)    | 0              |
| 2004-07-18 | 251        | 5.4  | VII(667)   | 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 |
|----------|------------|
|          |            |

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.