

M 6.7, VANCOUVER ISLAND, CANADA REGION

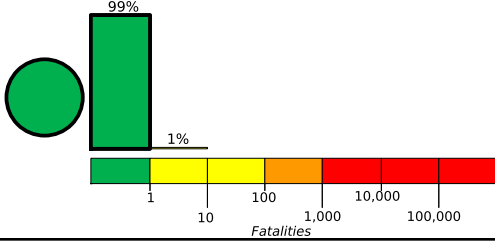
Origin Time: Thu 2014-04-24 03:10:13 UTC (19:10:13 local)

Location: 49.85°N 127.42°W Depth: 11 km

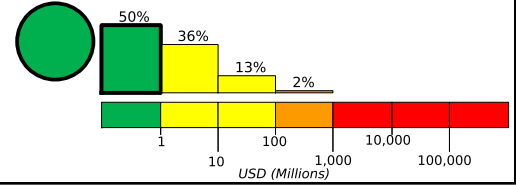
Created: 16 minutes, 42 seconds after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.



Estimated Economic Losses



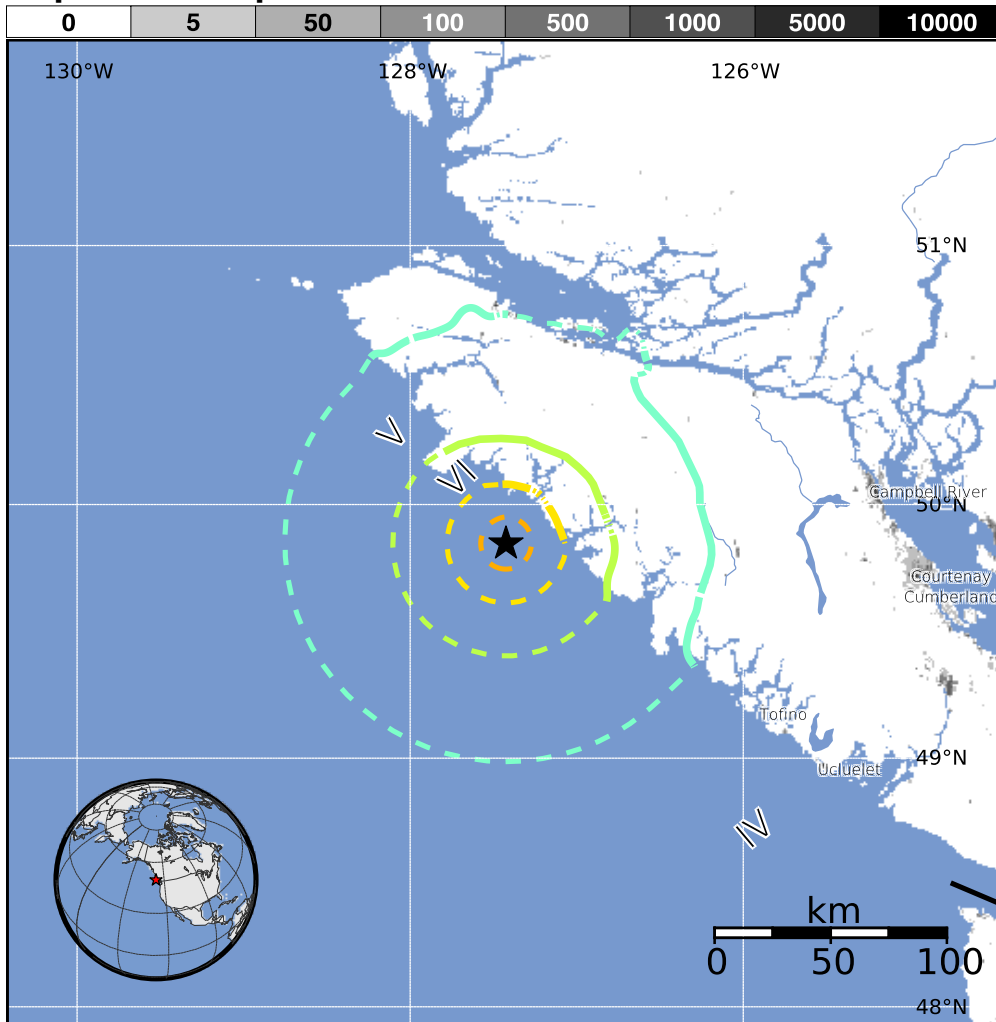
Estimated Population Exposed to Earthquake Shaking

| ESTIMATED POPULATION EXPOSURE (k = x1000) | --* | --* | 178k | 9k | 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



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):

A magnitude 6.3 earthquake 44 km southeast of this one struck Canada on July 19, 2004 (UTC), with estimated population exposures of 12,000 at intensity V and 217,000 at intensity IV, with no reported fatalities.

Selected City Exposure

from GeoNames.org

| MMI City | Population |
|-------------------|------------|
| IV Tofino | 2k |
| IV Ucluelet | 2k |
| IV Campbell River | 33k |
| IV Cumberland | 3k |
| IV Courtenay | 33k |
| IV Port Alberni | 21k |
| IV Powell River | 13k |

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: usb000px6r