USGS
science for a changing world

Earthquake Shaking **Green Alert**

GSN ANSS USAID FROM THE AMERICAN PEOPLE

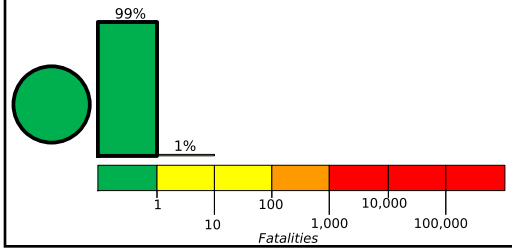
# M 5.8, SCOTIA SEA

Origin Time: Sun 2013-11-17 09:11:01 UTC (06:11:01 local)
Location: 60.48°S 45.21°W Depth: 15 km

**PAGER Version 2**

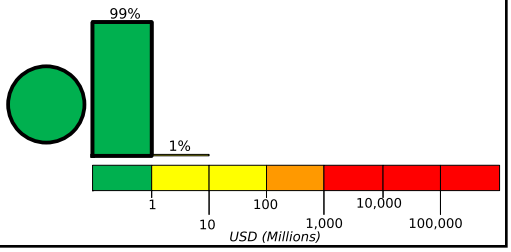
Created: 3 weeks, 4 days after earthquake

## Estimated Fatalities




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

## Estimated Economic Losses



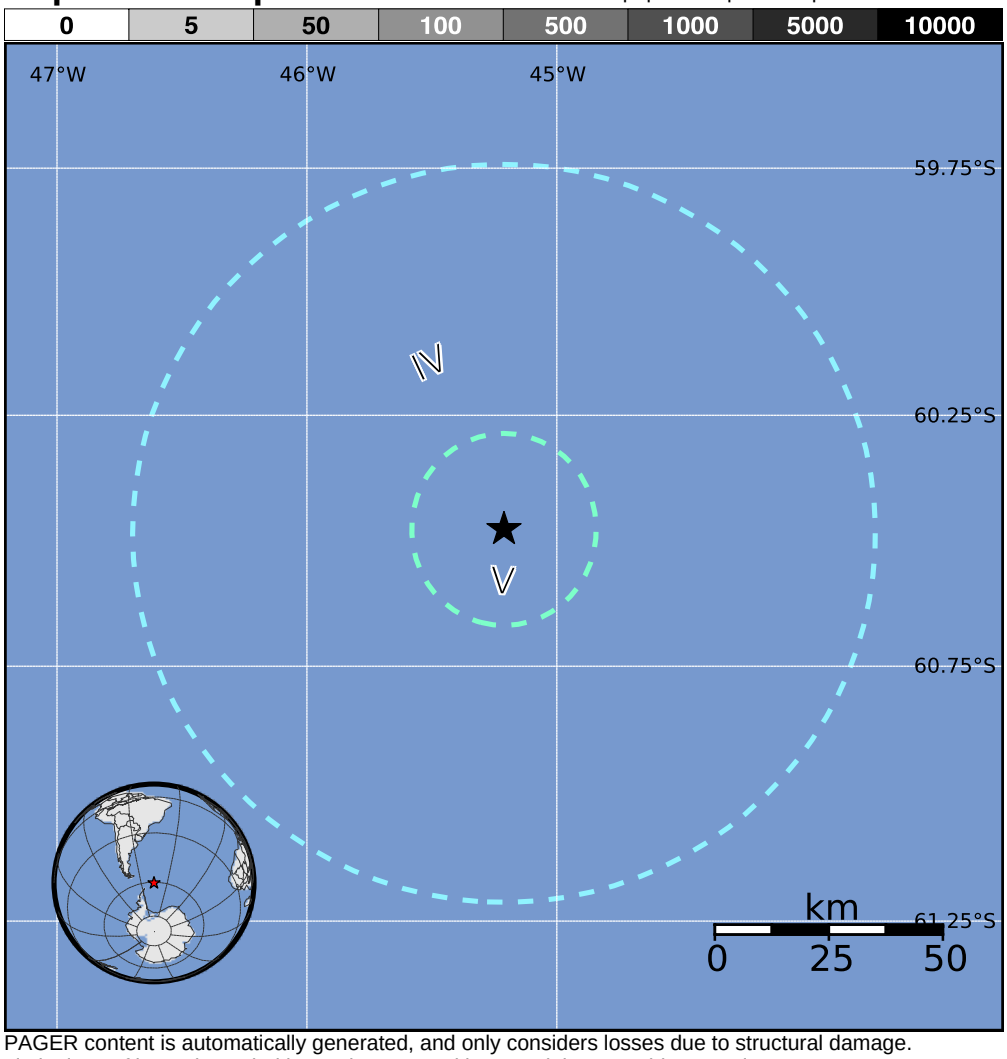

## Estimated Population Exposed to Earthquake Shaking

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| ESTIMATED POPULATION EXPOSURE (k = x1000) | | - -* | - -* | 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 Landscan




**Structures:**
There are likely to be no affected structures in this region.

**Historical Earthquakes (with MMI levels):**

There were no earthquakes with significant population exposure to shaking within a 400 km radius of this event.

## 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.

http://earthquake.usgs.gov/pager

Event ID: usb000l4fr