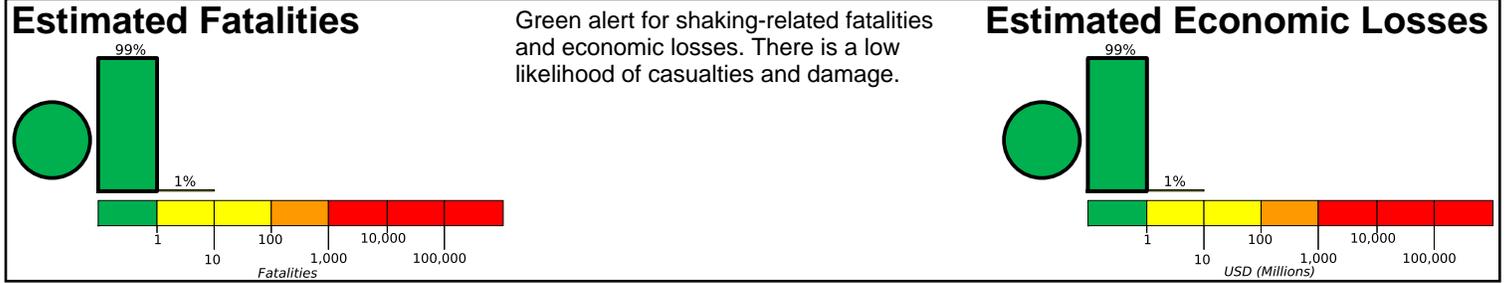


# M 5.7, OFFSHORE COQUIMBO, CHILE

Origin Time: Thu 2015-09-17 04:02:10 UTC (23:02:10 local)

Location: 31.22°S 71.93°W Depth: 16 km

Created: 7 weeks, 0 days after earthquake

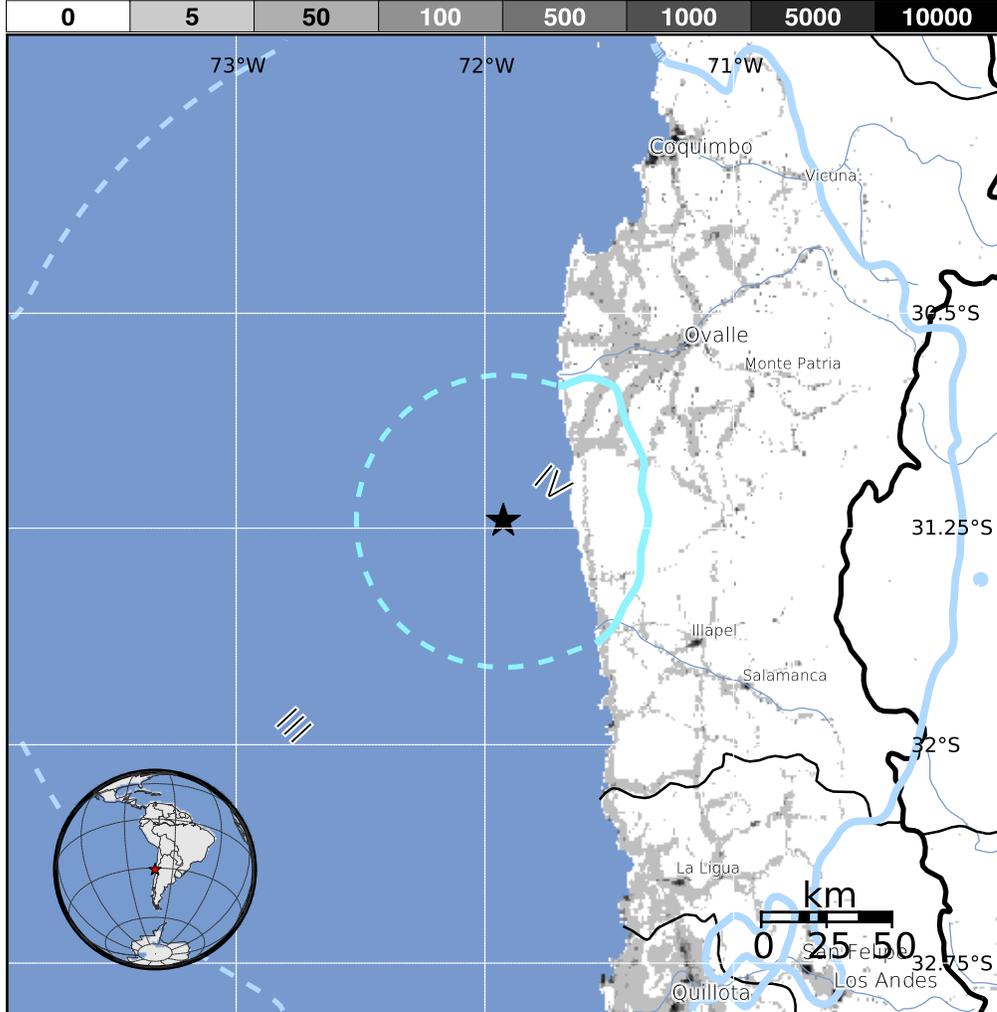


## Estimated Population Exposed to Earthquake Shaking

|   |                       |          |        |       |          |          |                |                |          |          |
|---|-----------------------|----------|--------|-------|----------|----------|----------------|----------------|----------|----------|
| ESTIMATED POPULATION EXPOSURE (k = x1000) |                       | --*      | 1,298k | 18k   | 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 |
|------------|------------|------|-------------|----------------|
| 1986-12-19 | 206        | 5.0  | V(236k)     | 0              |
| 1997-10-15 | 82         | 7.1  | VIII(3k)    | 7              |
| 1985-03-03 | 213        | 7.9  | VII(7,023k) | 177            |

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

## Selected City Exposure

from GeoNames.org

| MMI City               | Population |
|------------------------|------------|
| III Monte Patria       | 14k        |
| III Illapel            | 23k        |
| III Ovalle             | 77k        |
| III Salamanca          | 13k        |
| III La Serena          | 155k       |
| III Coquimbo           | 161k       |
| III Quillota           | 68k        |
| III Hacienda La Calera | 49k        |
| III La Ligua           | 25k        |
| III San Felipe         | 59k        |
| III Los Andes          | 57k        |

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: us20003kft