

M 5.6, MOZAMBIQUE

Origin Time: Thu 2016-09-22 20:06:11 UTC (22:06:11 local)

Location: 21.56°S 33.41°E Depth: 10 km

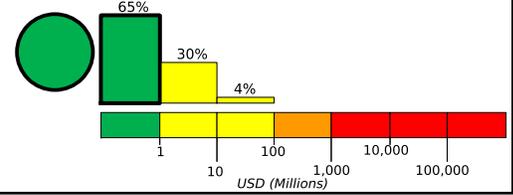
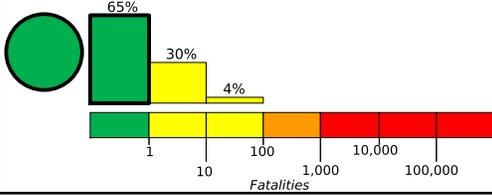
PAGER
Version 4

Created: 4 weeks, 3 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

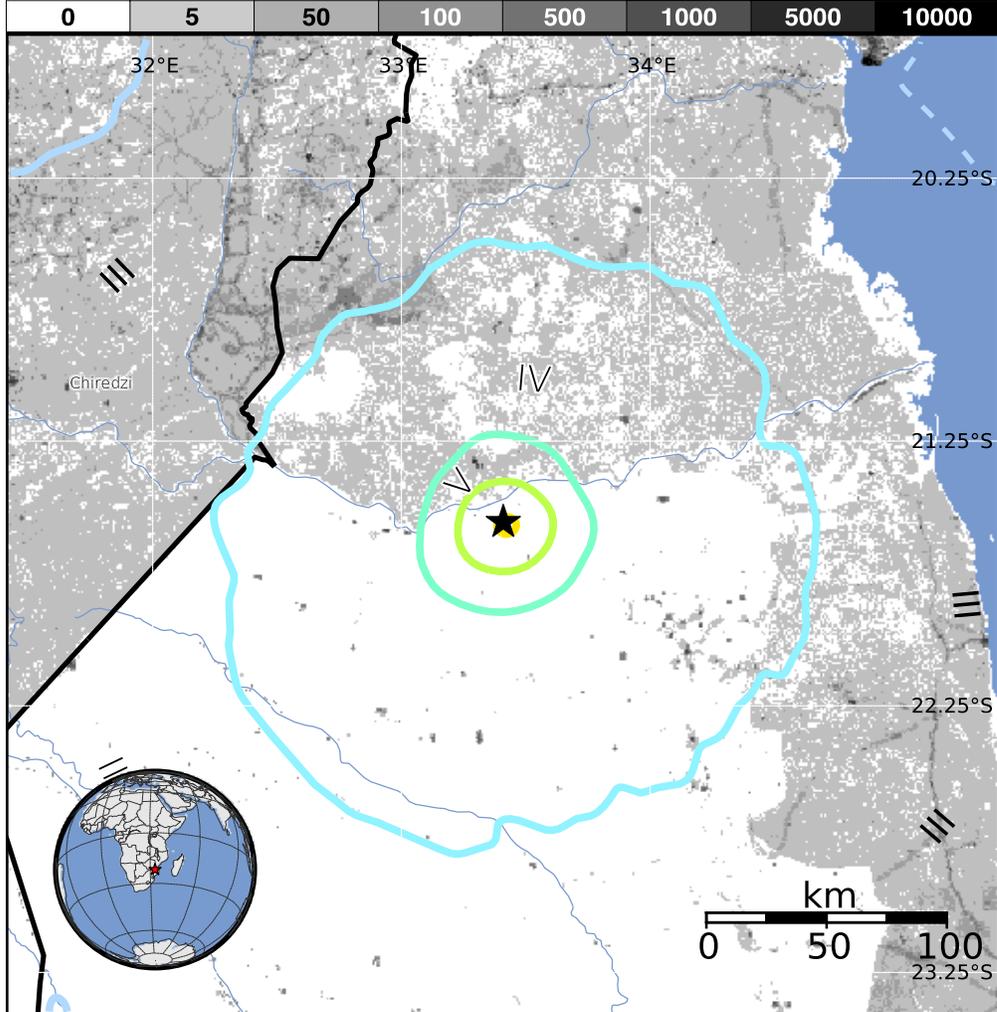


Estimated Population Exposed to Earthquake Shaking

| ESTIMATED POPULATION EXPOSURE (k = x1000) | --* | 2,600k* | 311k | 30k | 2k | 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 vulnerable to earthquake shaking, though some resistant structures exist.

Historical Earthquakes (with MMI levels):

| Date (UTC) | Dist. (km) | Mag. | Max MMI(#) | Shaking Deaths |
|------------|------------|------|------------|----------------|
| 2006-02-23 | 28 | 5.7 | VIII(365) | 0 |
| 2006-03-15 | 59 | 5.6 | VIII(218) | 0 |
| 2006-02-22 | 43 | 7.0 | IX(23k) | 4 |

Selected City Exposure

from GeoNames.org

| MMI | City | Population |
|-----|-----------------|------------|
| III | Chiredzi | 28k |
| III | Chipinge | 19k |
| III | Beira | 531k |
| III | Chimanimani | 3k |

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/earthquakes/eventpage/us10006rff>

Event ID: us10006rff