

M 5.3, MYANMAR

Origin Time: Mon 2014-11-17 04:34:12 UTC (11:04:12 local)

Location: 20.78°N 94.42°E Depth: 66 km

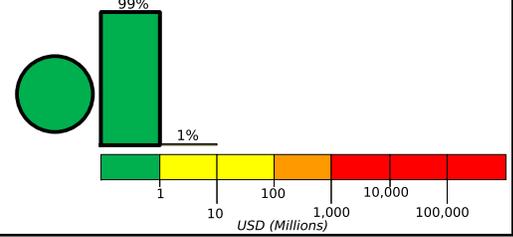
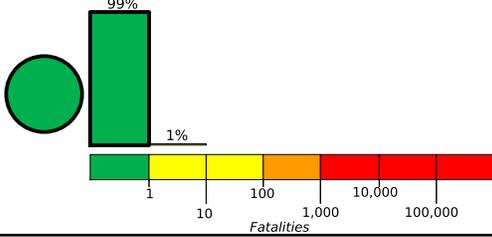
PAGER
Version 2

Created: 3 weeks, 0 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



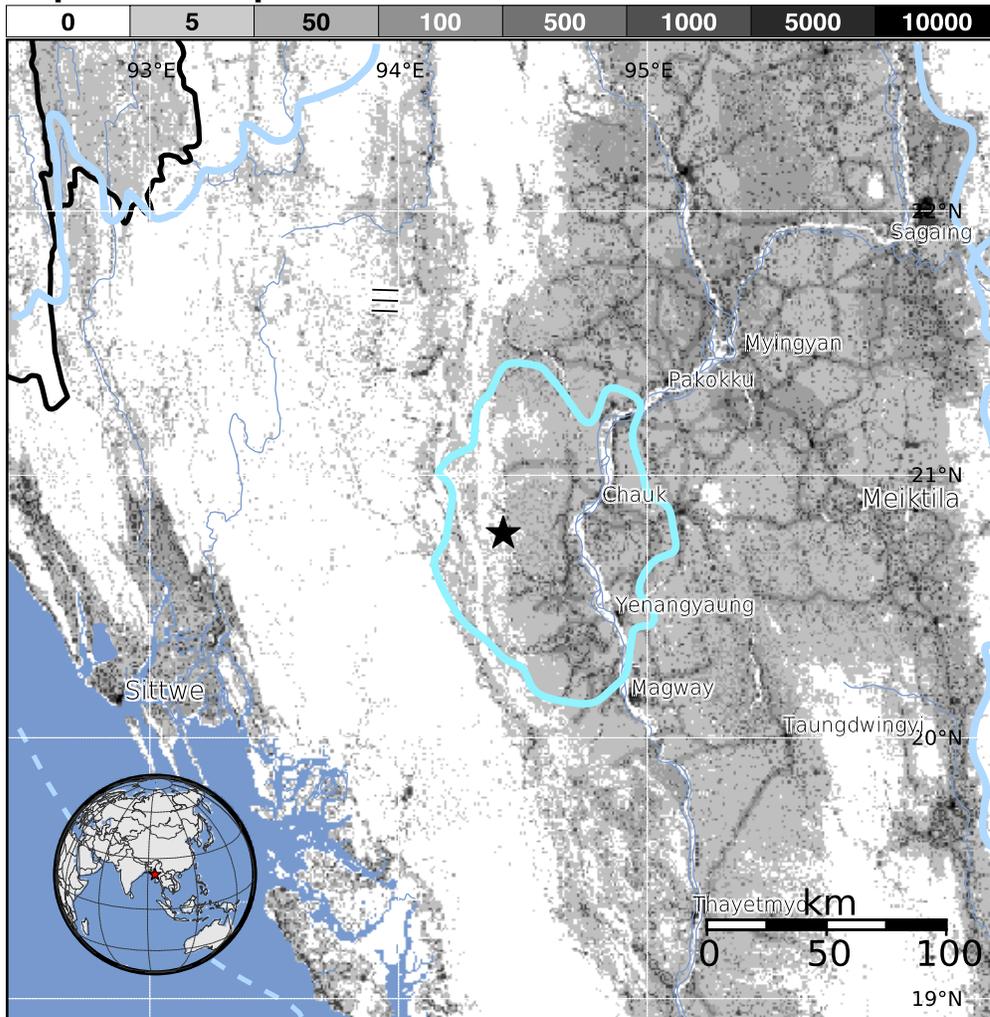
Estimated Population Exposed to Earthquake Shaking

| | | | | | | | | | | |
|---|-----------------------|----------|----------|--------|----------|----------|----------------|----------------|----------|----------|
| ESTIMATED POPULATION EXPOSURE (k = x1000) | | --* | 16,692k* | 1,704k | 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 Landsat



Structures:

Overall, the population in this region resides in structures that are highly vulnerable to earthquake shaking, though some resistant structures exist.

Historical Earthquakes (with MMI levels):

| Date (UTC) | Dist. (km) | Mag. | Max MMI(#) | Shaking Deaths |
|------------|------------|------|------------|----------------|
| 2000-11-13 | 189 | 5.4 | VII(2k) | 0 |
| 1975-07-08 | 77 | 6.5 | VI(352k) | 1 |
| 1991-01-05 | 344 | 6.9 | IX(28k) | 2 |

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 |
|-----|-------------|------------|
| IV | Chauk | 91k |
| IV | Yenangyaung | 111k |
| III | Pakokku | 127k |
| III | Minbu | 57k |
| III | Magway | 97k |
| III | Myingyan | 142k |
| III | Monywa | 182k |
| III | Mandalay | 1,208k |
| III | Nay Pyi Taw | 925k |
| III | Sittwe | 178k |
| III | Sagaing | 79k |

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: usc000sy0y