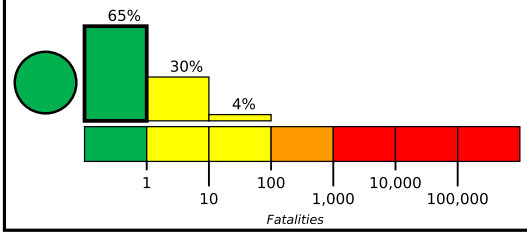
Earthquake Shaking Green Alert

# M 6.3, 18 km E of Talagutong, Philippines

Origin Time: 2020-09-06 15:23:43 UTC (Sun 23:23:43 local)
Location: 6.2761° N 125.8385° E Depth: 119.4 km
**FOR TSUNAMI INFORMATION, SEE: tsunami.gov**

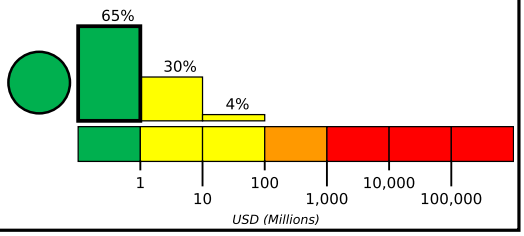
**PAGER Version 4**
Created: 3 hours, 3 minutes after earthquake

## Estimated Fatalities




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

## Estimated Economic Losses



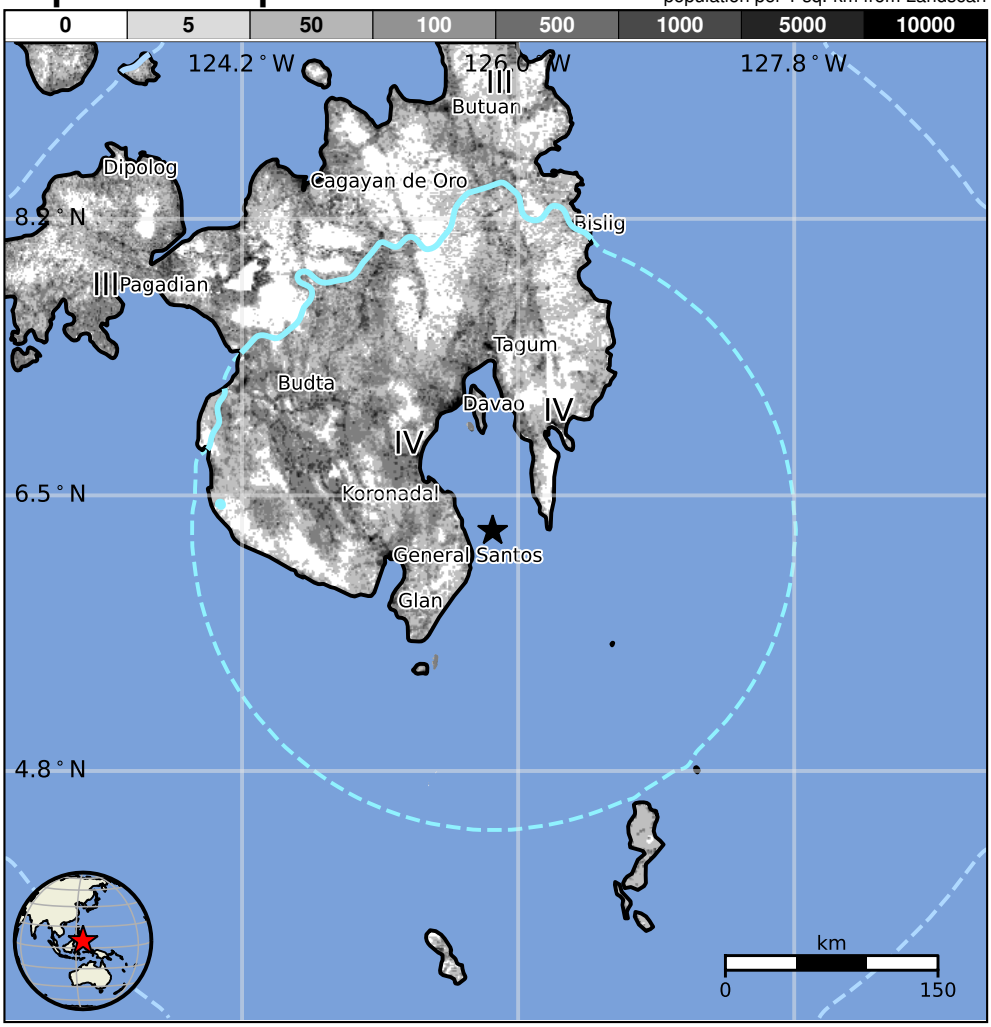

## Estimated Population Exposed to Earthquake Shaking

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| ESTIMATED POPULATION EXPOSURE (k=x1000) | | –* | 9,789k | 13,141k | 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 | Mod./Heavy | Heavy | V. Heavy |
| | Vulnerable Structures | None | None | None | Light | Moderate | Mod./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

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are unknown/miscellaneous types and heavy wood frame construction.

## Historical Earthquakes

| Date (UTC) | Dist. (km) | Mag. | Max MMI(#) | Shaking Deaths |
|---|---|---|---|---|
| 1987-05-23 | 198 | 5.7 | VII(70k) | 1 |
| 1987-05-18 | 228 | 6.2 | VIII(12k) | 1 |
| 2002-03-05 | 182 | 7.5 | VIII(12k) | 15 |

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 | Malita | 41k |
| IV | Lais | 2k |
| IV | Buayan | 15k |
| IV | Padada | 11k |
| IV | Talagutong | 8k |
| IV | Kinangan | 5k |
| **IV** | **Davao** | **1,213k** |
| IV | Cotabato | 179k |
| **III** | **Cagayan de Oro** | **445k** |
| **III** | **Butuan** | **310k** |
| **III** | **Pagadian** | **187k** |

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.

**https://earthquake.usgs.gov/earthquakes/eventpage/us7000biyd#pager**

**Event ID: us7000biyd**