Earthquake Shaking Green Alert

M 5.9, 82 km SSW of Bambanglipuro, Indonesia

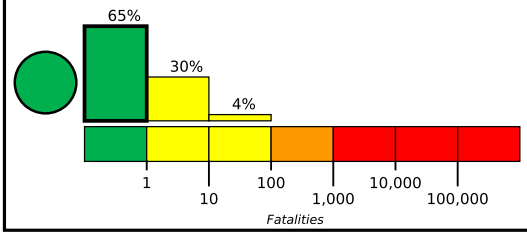
Origin Time: 2023-06-30 12:57:42 UTC (Fri 19:57:42 local)
Location: 8.6478° S 110.0229° E Depth: 76.4 km

PAGER Version 5

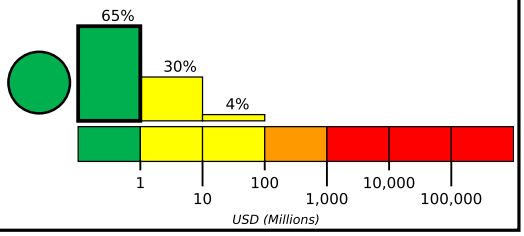
Created: 8 weeks, 3 days after earthquake

Estimated Fatalities

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



Estimated Economic Losses



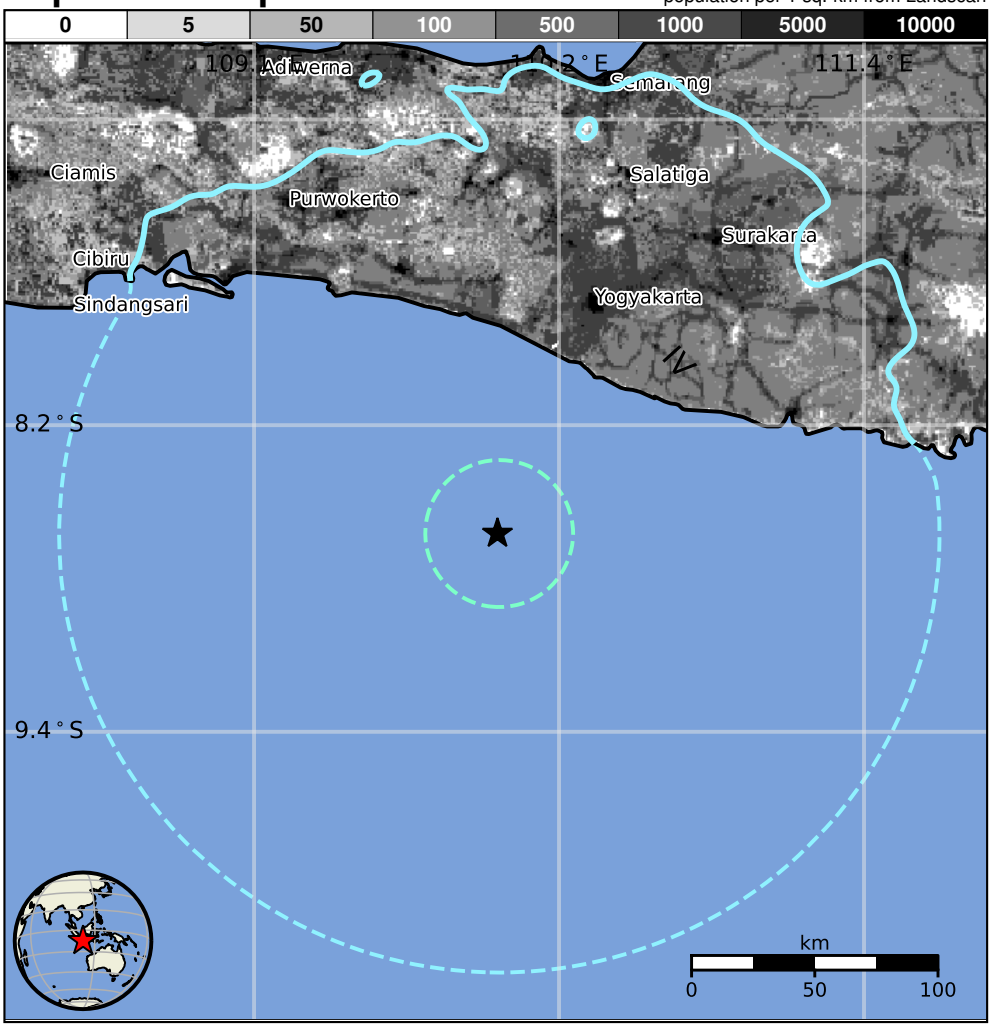
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		–*	15,182k*	35,838k	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 vulnerable to earthquake shaking, though resistant structures exist. The predominant vulnerable building types are unreinforced brick with concrete floor and precast concrete frame with wall construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1979-11-02	227	6.5	VII(483k)	23
1990-07-06	299	5.5	VII(144k)	0
2006-05-26	84	6.4	IX(956k)	6k

Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Sewon	74k
IV	Bantul	59k
IV	Pundong	24k
IV	Bambanglipuro	45k
IV	Pandak	56k
IV	Srandakan	30k
IV	**Yogyakarta**	**637k**
IV	**Surakarta**	**555k**
IV	**Semarang**	**1,288k**
IV	Pekalongan	258k
III	Tasikmalaya	271k

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/us6000kp2e#pager

Event ID: us6000kp2e