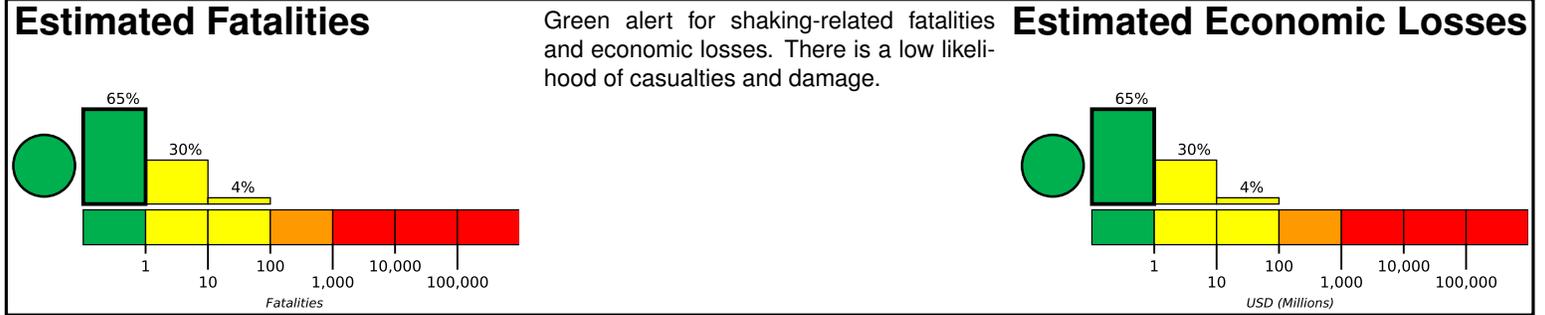


**M 5.9, Zambia**

Origin Time: 2017-02-24 00:32:17 UTC (Fri 02:32:17 local)  
Location: 8.4404° S 30.0305° E Depth: 30.0 km

Created: 11 weeks, 2 days after earthquake

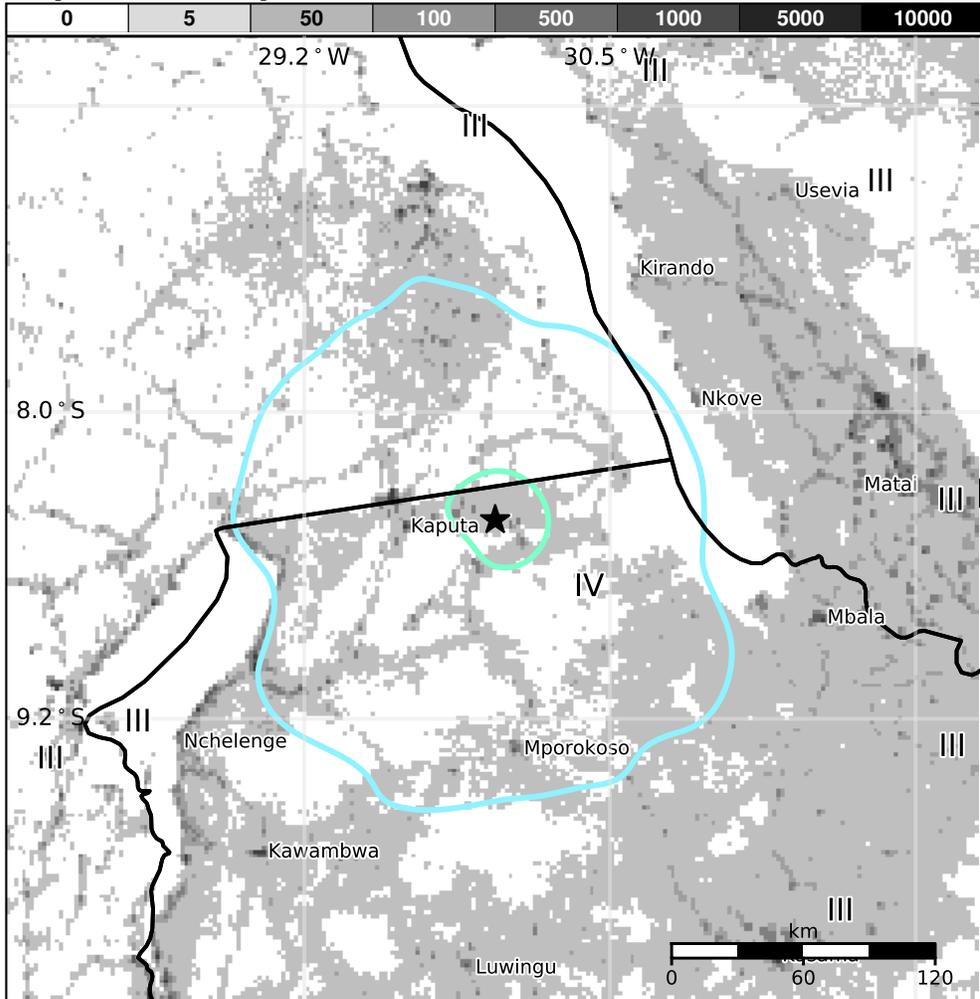


**Estimated Population Exposed to Earthquake Shaking**

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	3,081k*	570k	32k	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**



**Structures**

Overall, the population in this region resides in structures that are highly vulnerable to earthquake shaking, though some resistant structures exist. The predominant vulnerable building types are adobe block and informal (metal, timber, GI etc.) construction.

**Historical Earthquakes**

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2000-10-02	100	6.4	VII(49k)	0
1994-08-18	215	5.9	VII(36k)	—
2005-12-05	245	6.8	IX(8k)	6

**Selected City Exposure**

from GeoNames.org

MMI	City	Population
IV	<b>Kaputa</b>	<b>3k</b>
IV	<b>Mporokoso</b>	<b>3k</b>
IV	Mpulungu	9k
III	Namanyere	28k
III	<b>Kirando</b>	<b>33k</b>
III	<b>Nkove</b>	<b>5k</b>
III	<b>Matali</b>	<b>24k</b>
III	<b>Nchelenge</b>	<b>24k</b>
III	Sumbawanga	89k
III	Chala	23k
III	<b>Kasama</b>	<b>91k</b>

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/us20008lww#pager>

bold cities appear on map.

(k = x1000)