

M 5.5, LAC KIVU REGION, DEM. REP. OF THE CONGO

Origin Time: Fri 2015-08-07 01:28:37 UTC (03:28:37 local)

Location: 2.09°S 28.95°E Depth: 10 km

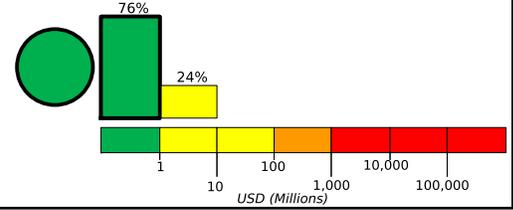
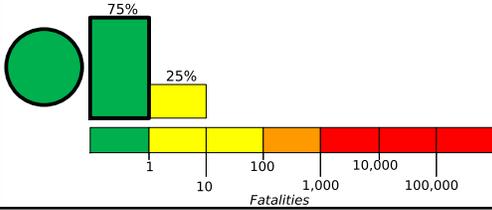
PAGER
Version 4

Created: 6 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



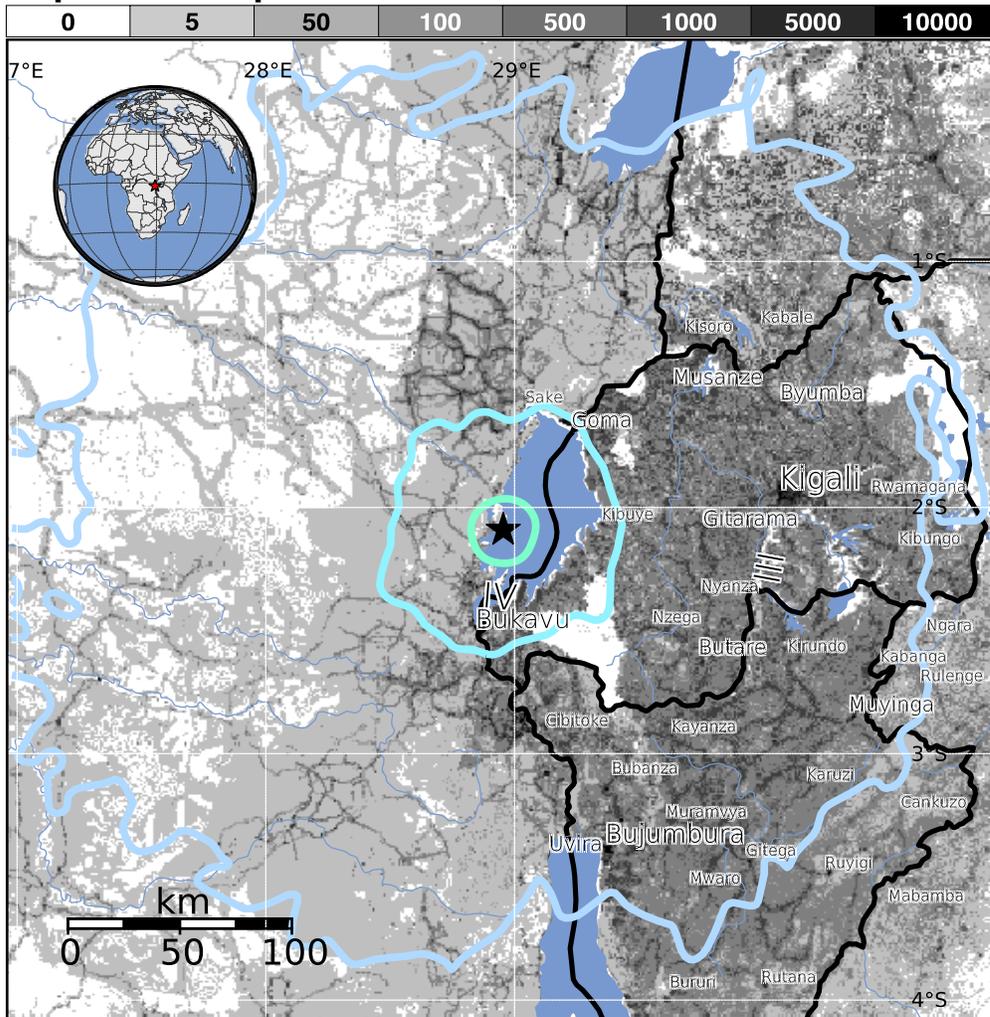
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		- - *	36,132k	3,051k	103k	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 vulnerable to earthquake shaking, though some resistant structures exist.

Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2002-01-21	43	4.9	VI(107k)	0
2002-10-24	23	5.5	VII(20k)	0
2002-10-24	18	6.2	VIII(35k)	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	Kibuye	48k
IV	Kabare	37k
IV	Cyangugu	64k
IV	Goma	144k
IV	Gisenyi	84k
IV	Bukavu	225k
III	Kigali	745k
III	Bujumbura	332k
III	Byumba	71k
III	Muyinga	71k
II	Mbarara	98k

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: us10002zzr