

**M 5.9, LAKE VICTORIA REGION, TANZANIA**

Origin Time: Sat 2016-09-10 12:27:33 UTC (15:27:33 local)

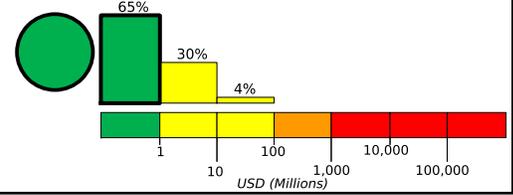
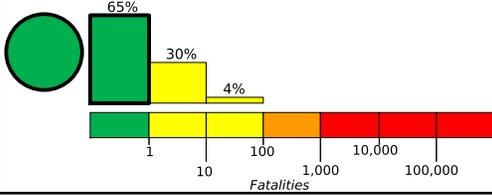
Location: 1.04°S 31.62°E Depth: 40 km

Created: 7 weeks, 4 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**



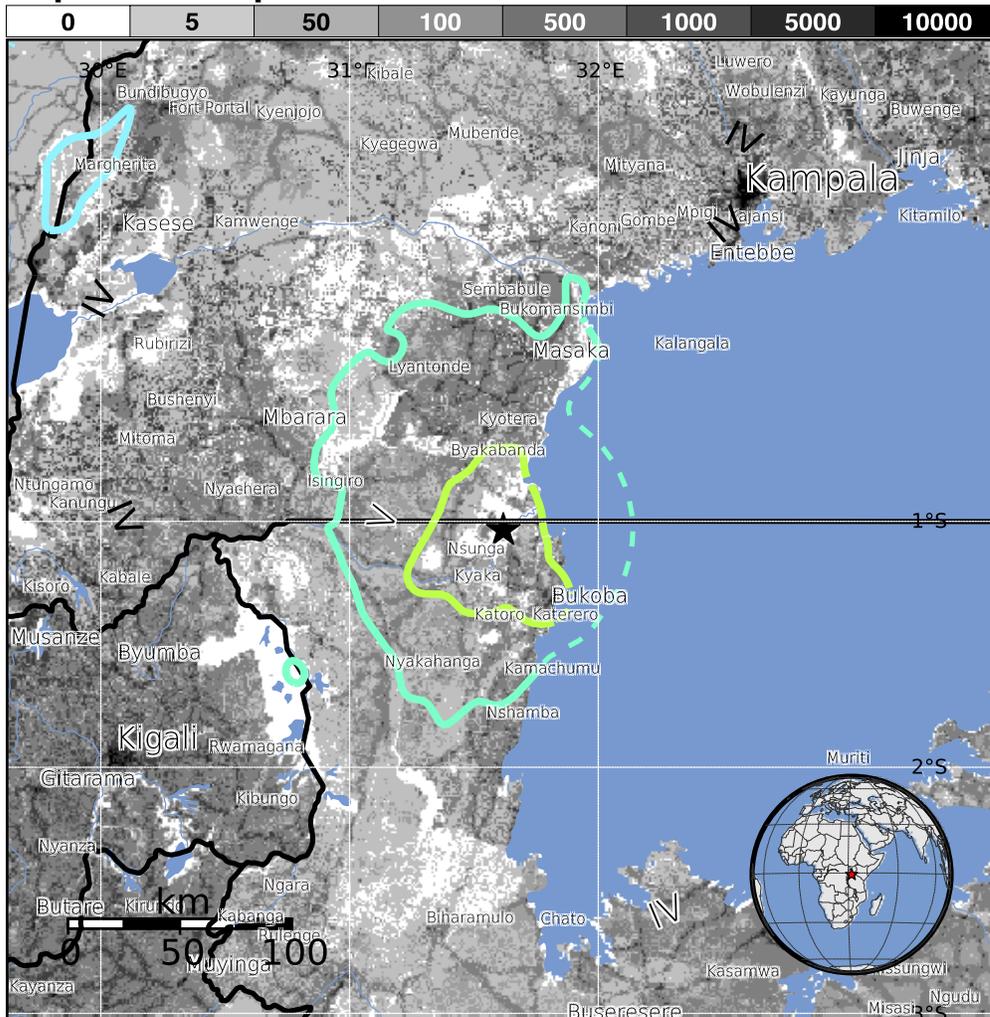
**Estimated Population Exposed to Earthquake Shaking**

ESTIMATED POPULATION EXPOSURE (k = x1000)	--*	351k*	36,654k*	2,365k	509k	3k	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	297	5.1	VII(3k)	0
2002-05-18	320	5.5	VIII(867)	2
2004-02-24	350	4.7	VI(260k)	3

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
VII Bukoba	71k
VI Kyaka	14k
VI Katerero	18k
VI Byakabanda	8k
V Nsunga	20k
V Kyotera	8k
IV Mbarara	98k
IV Mwanza	437k
IV Kampala	1,353k
IV Jinja	93k
IV Kigali	745k

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/earthquakes/eventpage/us10006nkx>

Event ID: us10006nkx