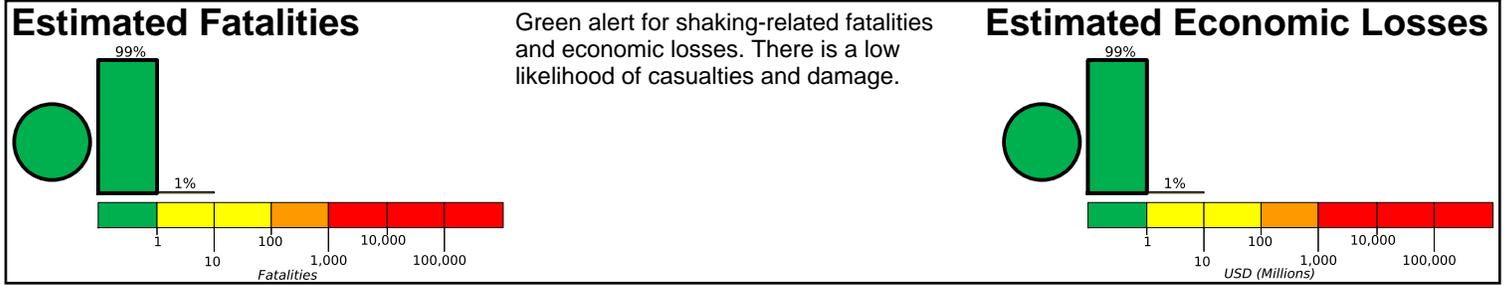


# M 5.3, HAWAII REGION, HAWAII

Origin Time: Wed 2013-06-05 00:12:39 UTC (14:12:39 local)

Location: 18.91°N 155.06°W Depth: 40 km

Created: 1 day, 23 hours after earthquake

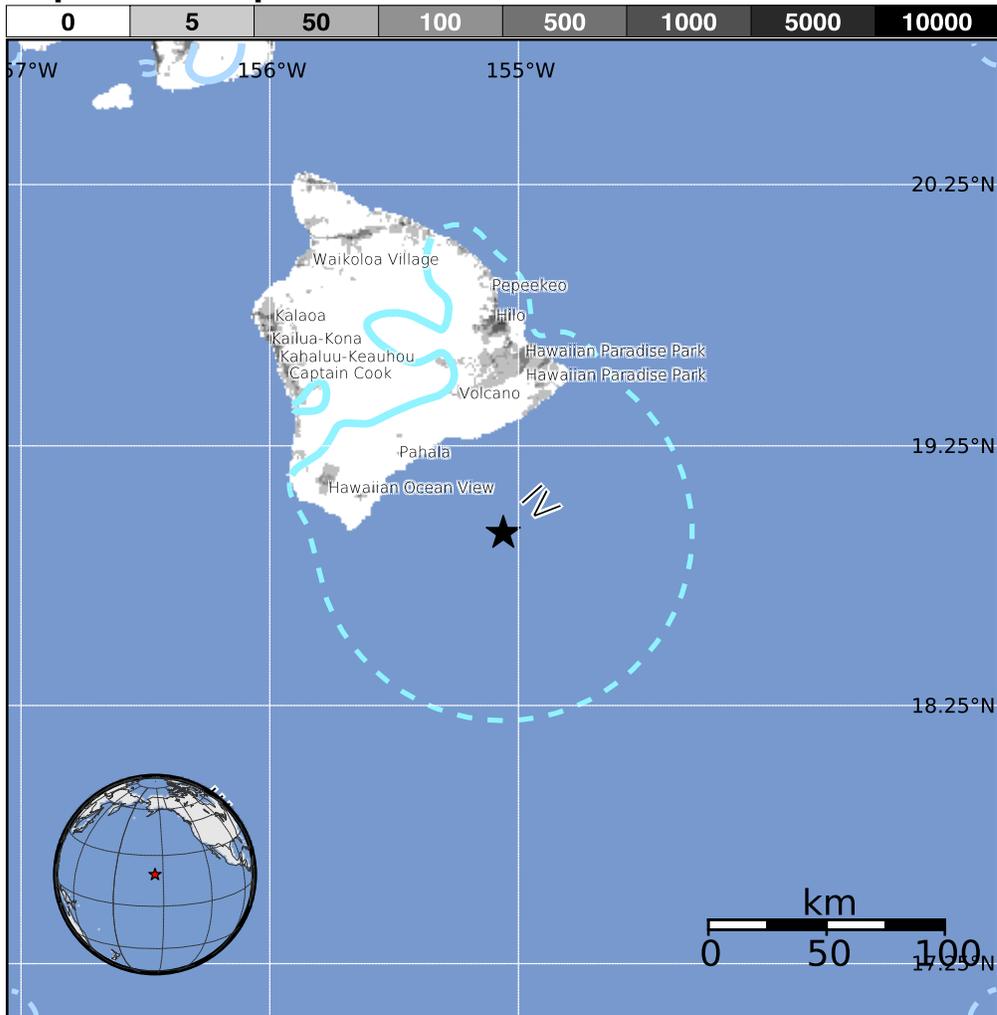


## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	110k*	113k	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	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



### Structures:

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though some vulnerable structures exist.

### Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1982-01-21	67	5.6	VII(10)	0
1989-06-26	56	6.4	IX(355)	0
1975-11-29	60	7.2	IX(30k)	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	Hawaiian Beaches	4k
IV	Leilani Estates	2k
IV	Leilani Estates	2k
IV	Mountain View	4k
IV	Papa'ikou	1k
<b>IV</b>	<b>Pepeekeo</b>	<b>2k</b>
<b>IV</b>	<b>Hilo</b>	<b>43k</b>
III	Kihei	21k
<b>III</b>	<b>Kailua-Kona</b>	<b>12k</b>

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: hv60508246