

M 6.9, 19km SSW of Leilani Estates, Hawaii

Origin Time: 2018-05-04 22:32:54 UTC (Fri 12:32:54 local)

Location: 19.3127° N 154.9975° W Depth: 2.1 km

FOR TSUNAMI INFORMATION, SEE: tsunami.gov

Created: 3 days, 21 hours after earthquake

PAGER
Version 1

Estimated Fatalities

Green alert for shaking-related fatalities. There is a low likelihood of casualties.

Yellow alert for economic losses. Some damage is possible and the impact should be relatively localized. Estimated economic losses are less than 1% of GDP of the United States. Past events with this alert level have required a local or regional level response.

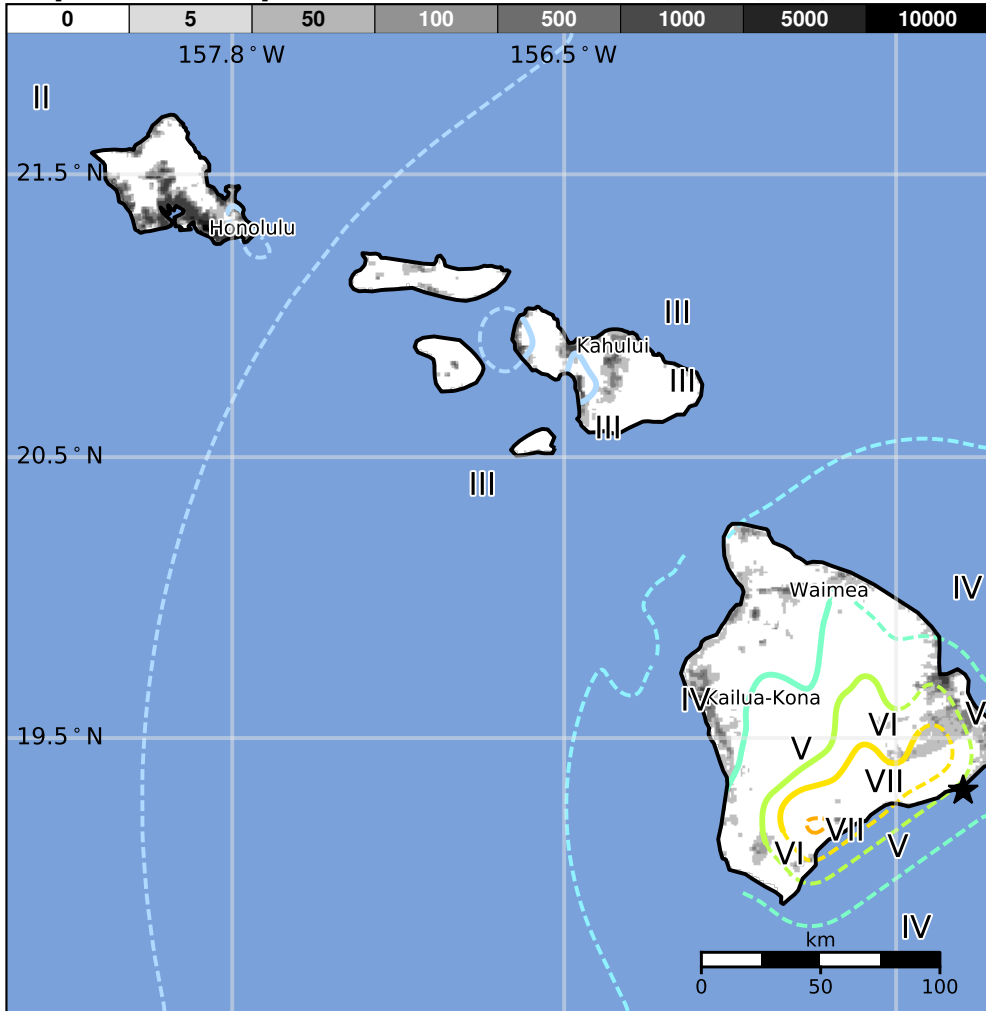
Estimated Economic Losses

Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	1,200k*	79k*	26k	78k	1k	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 resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are unreinforced brick masonry and reinforced masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1973-04-26	71	6.2	VII(74k)	0
2006-10-15	120	6.7	VIII(15k)	0
1975-11-29	15	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
VI	Leilani Estates	2k
VI	Leilani Estates	2k
VI	Fern Acres	2k
VI	Nanawale Estates	1k
VI	Nanawale Estates	1k
VI	Pahala	1k
V	Hilo	43k
III	Honolulu	372k
III	Pearl City	48k
II	Waipahu	38k
II	Kailua	39k

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/us1000dyad#pager>

bold cities appear on map.

(k = x1000)

Event ID: us1000dyad