

# M 5.8, CUBA REGION

Origin Time: Tue 2017-01-17 09:08:01 UTC (09:08:01 local)

Location: 19.87°N 76.61°W Depth: 10 km

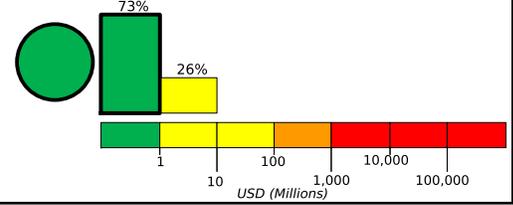
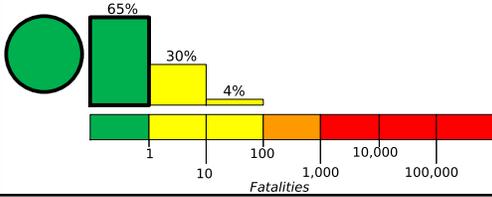
## PAGER Version 1

Created: 9 hours, 13 minutes 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



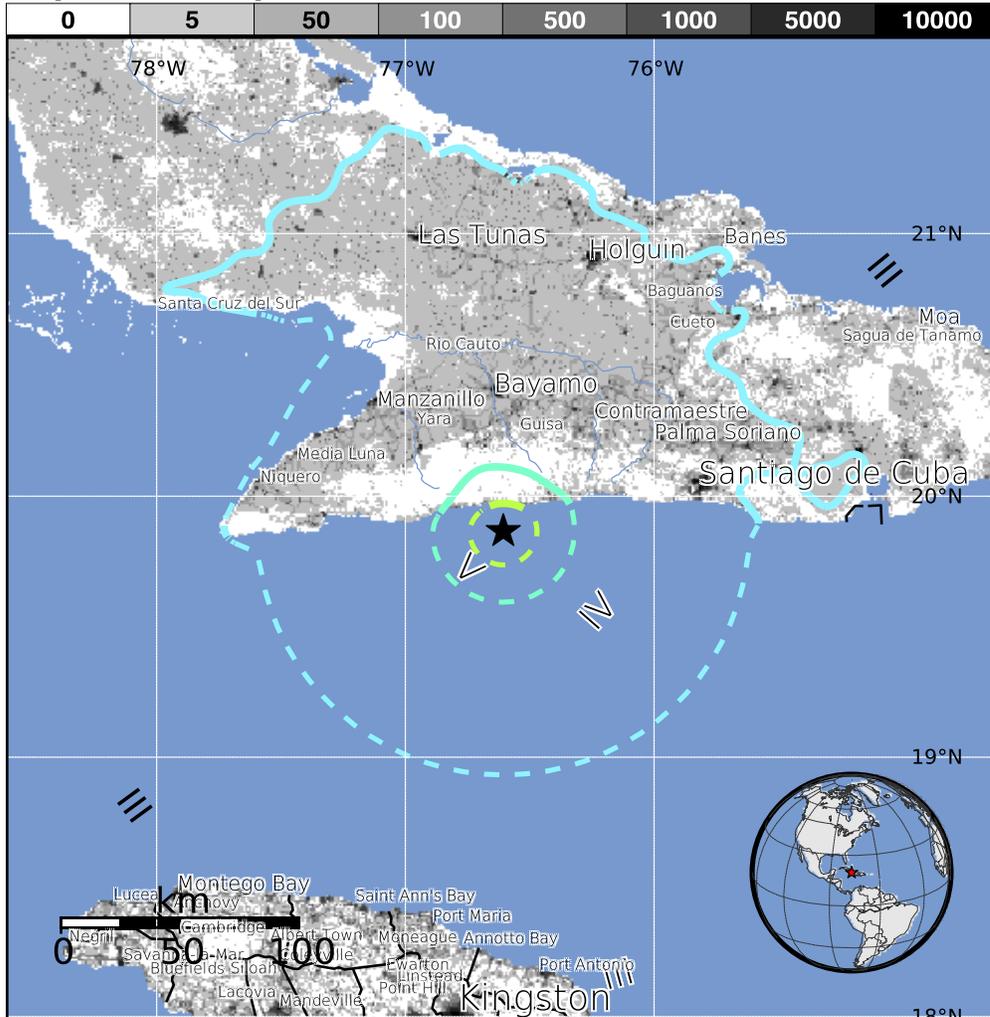
### Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)	- -*	2,964k*	3,363k	29k	11k	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
	Vulnerable Structures	none	none	none	Light	Moderate	Moderate/Heavy	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
1998-12-28	220	5.6	VI(33k)	0
1992-05-25	137	6.8	VIII(279)	0
1993-01-13	202	5.5	VII(2k)	1

### Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Bayamo	193k
IV	Yara	29k
IV	Guisa	18k
IV	Contramaestre	70k
IV	Jiguani	41k
IV	Rio Cauto	24k
IV	Santiago de Cuba	556k
IV	Holguin	319k
IV	Guantanamo	273k
III	Camaguey	348k
III	Kingston	938k

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/us10007tmh>

Event ID: us10007tmh