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Earthquake Shaking Green Alert

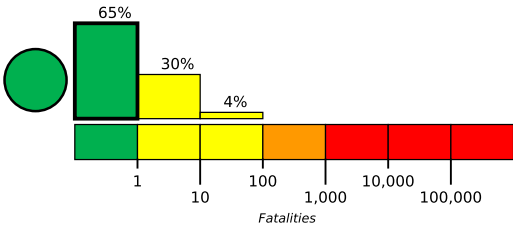
GSN ANSS USAID FROM THE AMERICAN PEOPLE

M 6.1, 57km SE of East End, Cayman Islands

Origin Time: 2020-01-28 21:55:16 UTC (Tue 16:55:16 local)
Location: 18.9457° N 80.7142° W Depth: 10.0 km
FOR TSUNAMI INFORMATION, SEE: tsunami.gov

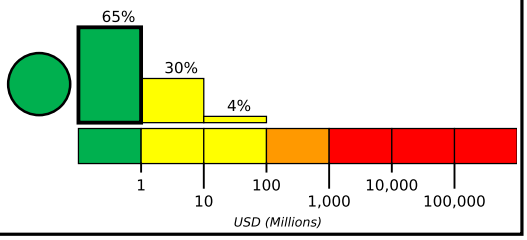
PAGER Version 3
Created: 2 hours, 3 minutes after earthquake

Estimated Fatalities



Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses



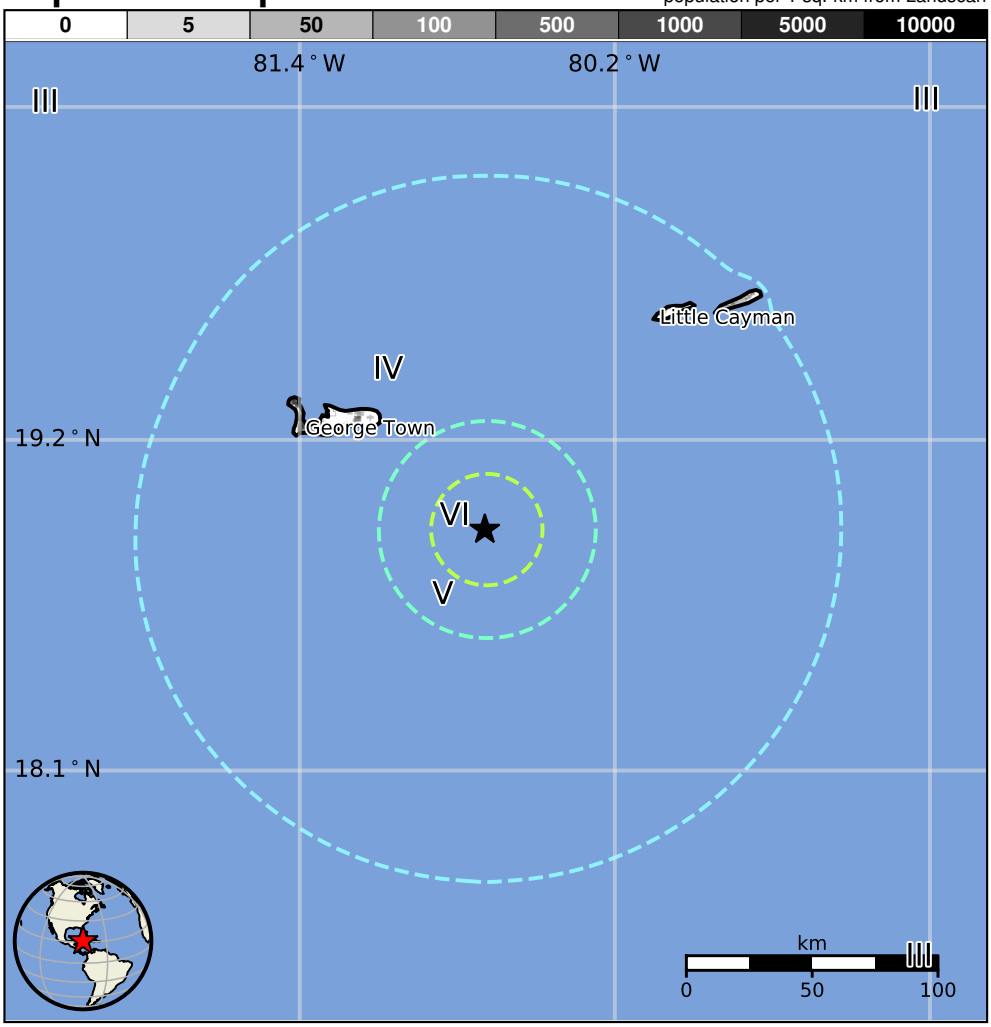
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		–*	–*	59k	2k	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	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

population per 1 sq. km from Landscan



Structures

Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though resistant structures exist. The predominant vulnerable building types are unknown/miscellaneous types and wood construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1982-12-16	377	4.5	V(7k)	0
2004-12-14	70	6.8	VI(42k)	–
1992-05-25	305	6.8	VII(96k)	0

Selected City Exposure

from GeoNames.org

MMI	City	Population
V	East End	2k
IV	Bodden Town	10k
IV	**George Town**	**29k**
IV	North Side	1k
IV	**Little Cayman**	**<1k**
IV	West Bay	11k

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.

https://earthquake.usgs.gov/earthquakes/eventpage/us60007iig#pager

Event ID: us60007iig