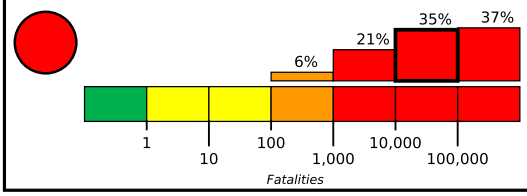
Earthquake Shaking Red Alert

M 7.2, Nippes, Haiti

Origin Time: 2021-08-14 12:29:08 UTC (Sat 08:29:08 local)
Location: 18.4079° N 73.4753° W Depth: 10.0 km
FOR TSUNAMI INFORMATION, SEE: tsunami.gov

PAGER Version 11
Created: 5 days, 6 hours after earthquake

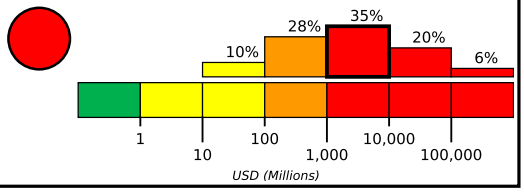
Estimated Fatalities



Red alert for shaking-related fatalities and economic losses. High casualties and extensive damage are probable and the disaster is likely widespread. Past red alerts have required a national or international response.

Estimated economic losses are 6-70% GDP of Haiti.

Estimated Economic Losses



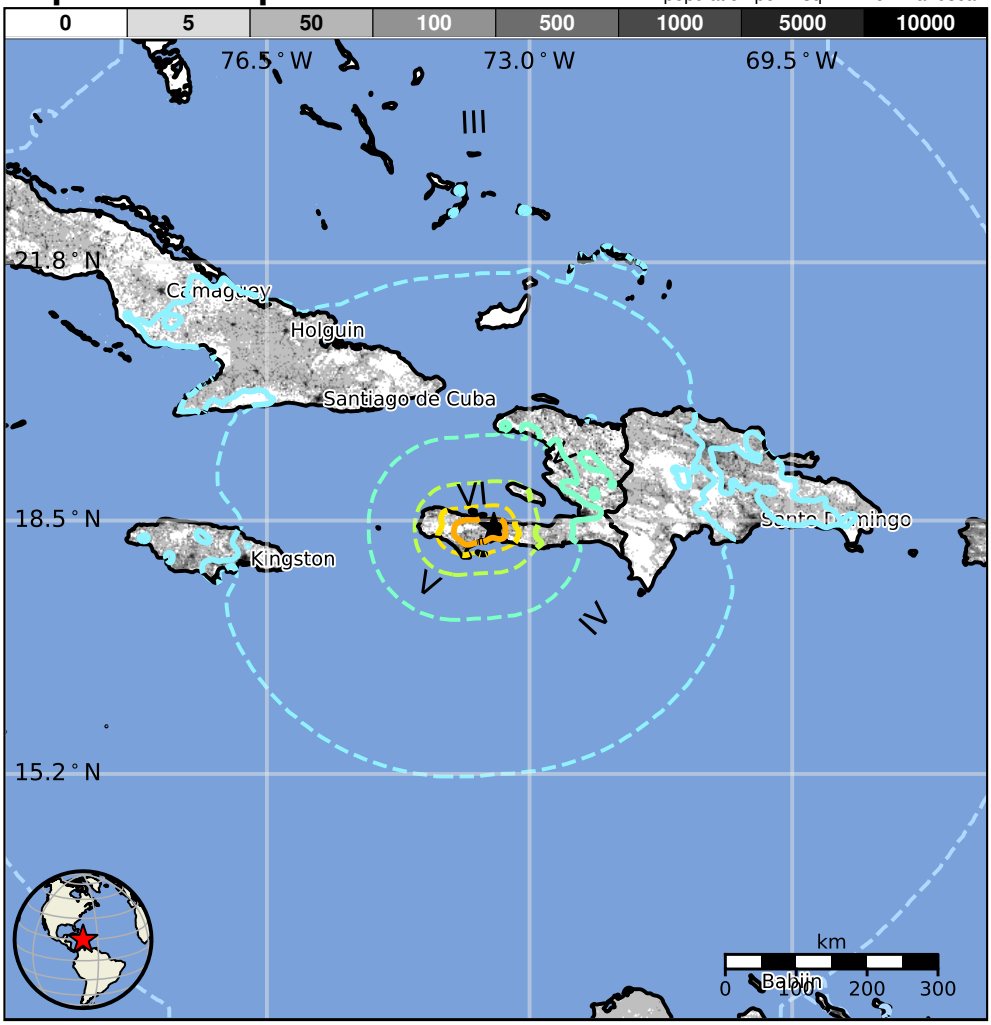
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		–*	10,272k*	14,364k	5,433k	939k	475k	685k	5k	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 mud wall and adobe block construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1988-05-09	320	4.5	VI(10k)	0
2003-09-22	329	6.4	IX(132k)	1
1994-03-02	184	5.4	VII(47k)	4

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
VIII	Cavaillon	1k
VIII	Aquin	5k
VIII	Chantal	2k
VIII	Baraderes	2k
VIII	Anse-a-Veau	2k
VIII	Les Cayes	126k
V	Port-au-Prince	1,235k
IV	**Kingston**	**938k**
IV	Santiago de los Caballeros	1,200k
III	Santo Domingo Este	700k
III	**Santo Domingo**	**2,202k**

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/us6000f65h#pager

Event ID: us6000f65h