

## SEISMIC ACTIVITY IN THE NORTHERN CARIBBEAN INFORMATION NOTE No. 1

AS OF 8:00 AM (AST) ON JANUARY 8, 2020

The Puerto Rico Seismic Network has reported elevated seismic activity in southern Puerto Rico from 6:32 AM on January 6, 2020.

## MAGNITUDE RANGE: M 3.89 - 6.4

**LOCATION: South of Indios, Puerto Rico** 

WATCHES AND WARNINGS:

No watches or warnings of Tsunami surveillance have been issued for Puerto Rico and the Virgin Islands as of 8:00 AM AST on January 8, 2020.



Seismic Activity to the South of Puerto Rico, January 7, 2020. [PRSN redsismica dd. Jan 7, 2020]

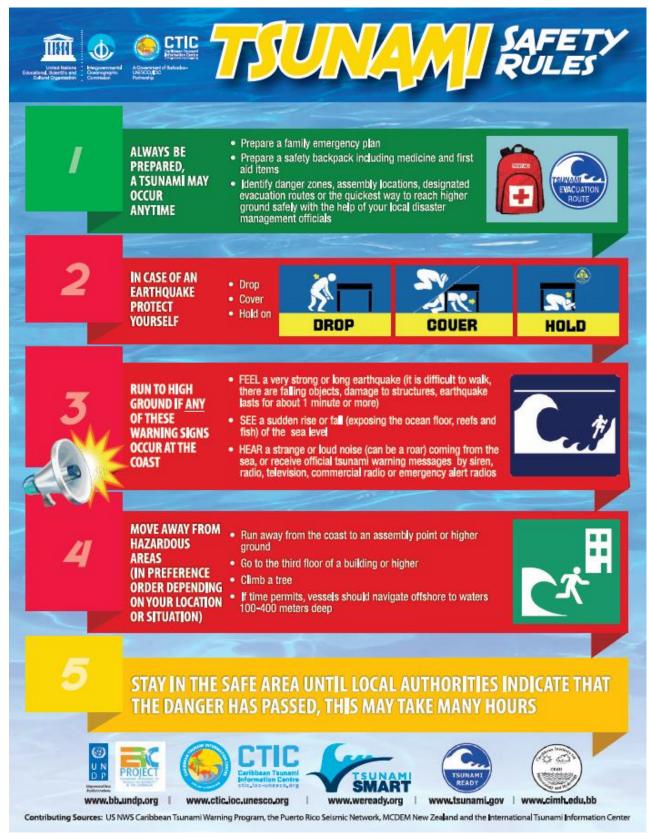
## Situation

According to The University of the West Indies Seismic Research Centre (UWI SRC), at this time, the main hazard of focus is related to damage from earthquakes, with aftershocks likely to occur in the next few weeks to months. The potential for a larger magnitude event, along the Punta Montalva fault near the southern boundary of Puerto Rico, cannot be excluded that may have the potential to generate a tsunami. The Pacific Tsunami Warning Centre reported small tsunami waves measuring around 20 centimetres (7.9 inches) were observed to be associated with the M 6.4 event. The SRC acknowledges the Puerto Rico Seismic Network (PRSN) as the lead seismic monitoring agency for Puerto Rico and advises interests in the region to consult the PRSN for detailed updates on the seismic activity in Puerto Rico.

## **Caribbean Disaster Emergency Management Agency (CDEMA) Actions**

- Tsunami alerts (watches and warnings) are issued nationally through the National Tsunami Warning Centres (NTWCs) within each CDEMA Participating State, further to the interpretation of the information products from the Pacific Tsunami Warning Centre – the regional tsunami Service Provider.
- CDEMA advises its PSs to continue to monitor the situation in Puerto Rico and to be guided by the alerts received from their respective NTWCs and by the established protocols outlined in their respective tsunami and coastal hazard plans.
- CDEMA and the Regional Response Mechanism Partners will continue to monitor the situation and will provide updates if the situation warrants.

Caribbean Disaster Emergency Management Agency. Resilience Way, Lower Estate, St. Michael, Barbados www.cdema.org Tel: (246) 434-4880, Fax: (246) 271-3660 **Tsunami Safety Tips** [visit <u>www.cdema.org</u> or <u>www.ctic.ioc-unesco.org</u> for more information]



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