

EXERCISE...EXERCISE...EXERCISE...THIS IS A CARIBE WAVE TSUNAMI PREPAREDNESS EXERCISE...THERE IS NO ACTUAL TSUNAMI THREAT

Urgent – Immediate Broadcast Requested

Tsunami Bulletin Number 4

Antigua and Barbuda Meteorological Service

Antigua and Barbuda National Tsunami Warning Focal Point and Tsunami Warning Centre

1:10 pm AST Thursday 20 March 2025

THIS IS AN EXERCISE...Tsunami Warning in Effect for Antigua and Barbuda...

THIS IS PART OF A SCHEDULED TSUNAMI PREPAREDNESS EXERCISE. THERE IS NO ACTUAL TSUNAMI THREAT. This is a Tsunami Warning Bulletin to inform the public and disaster emergency management authorities that, based on current data, widespread hazardous tsunami waves are imminent for Antigua and Barbuda following the recent seismic activity.

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Preliminary Earthquake Parameters:

- Magnitude: 8.0
- Origin Time and Date: 11:00 AST (15:00 UTC) March 20, 2025
- Coordinates: 18.2° North, 75.4° West
- Depth: 25 km/16 miles
- Location: Jamaica region

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Evaluation:

An earthquake with a preliminary magnitude of 8.0 occurred near Jamaica at 11:00 am on Thursday, March 20, 2025

Based on all available data, widespread hazardous tsunami waves are forecast for all coasts. Urgent action should be taken to protect lives and property.

A tsunami has been generated that could cause damage along the coastlines of all islands of Antigua and Barbuda, including offshore islands. Urgent action should Be taken to protect lives and property.

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Tsunami Threat Forecast, Updated:

Hazardous tsunami waves from this earthquake are possible within the next three hours along some coasts of Antigua and Barbuda. Tsunami waves of 0.3 to 1 metres above normal tide levels are possible.

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Recommended Actions:

Persons located in threatened coastal areas, near the beach or low-lying regions, should immediately move to high ground or inland and away from all harbours and inlets, including those sheltered directly from the sea.

Those feeling the earth shake, seeing unusual wave action or the water level rising or receding may have only a few minutes before the arrival of the tsunami and should evacuate immediately.

Homes and small buildings are not designed to withstand tsunami impacts. Do not stay in these structures.

Mariners in water deeper than 183 metres (600 feet) should not be affected by a tsunami.

Until the all-clear is given, by local and national authorities, do not return to evacuated areas.

Stay alert for information and be prepared to act and follow further instructions from national and local authorities. This tsunami warning is based solely on earthquake information—the tsunami has not yet been confirmed.

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Estimated Time of Arrival:

The estimated time of arrival of the initial tsunami wave is 1:45 AST (17:45 UTC) March 20, 2025 for Antigua and Barbuda. Actual arrival times may differ, and the initial wave may not be the largest. A tsunami is a series of waves and the time between waves can be five minutes to one hour.

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Potential Impacts:

- A tsunami is a series of long ocean waves. The time between wave crests can vary from 5 minutes to an hour. The hazard may persist for many hours or longer after the initial wave. Tsunami waves efficiently wrap around islands. All shores are at risk no matter which direction they face. The trough of a tsunami wave may temporarily expose the seafloor,

but the area will quickly flood again. Extremely strong and unusual nearshore currents can accompany a tsunami.

- Impacts can vary significantly from one section of the coast to the next due to local bathymetry and the shape and elevation of the shoreline.
- Impacts can also vary depending upon the state of the tide at the time of the maximum tsunami waves. High surfs can also significantly increase the impact of a tsunami.
- Persons caught in the water of a tsunami may drown, be crushed by debris in the water or be swept out to sea.

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Next Update and Additional Information:

The next message will be issued in one hour or sooner, if the situation warrants.

Stay tuned to updates from the Met Service through antiguamet.com and Twitter, Facebook and YouTube @abmetservice. Also, stay tuned to ABS Radio and TV and other media platforms for updates.

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