

Seismic Observation of Jamaica

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1. Jamaica Seismograph Network (JSN)

The Jamaica Seismograph Network (JSN) is comprised of 12 short period seismograph stations, 4 being three component stations (Fig. 1). The stations transmit continuously to the Central Recording Station (CRS - located at the UWI) in the UHF band using analogue telemetry. At the CRS, the signals are split into discrete channels per station or component and digitized at a sample rate of 50 using Seislog and Seisan softwares for data acquisition and processing.

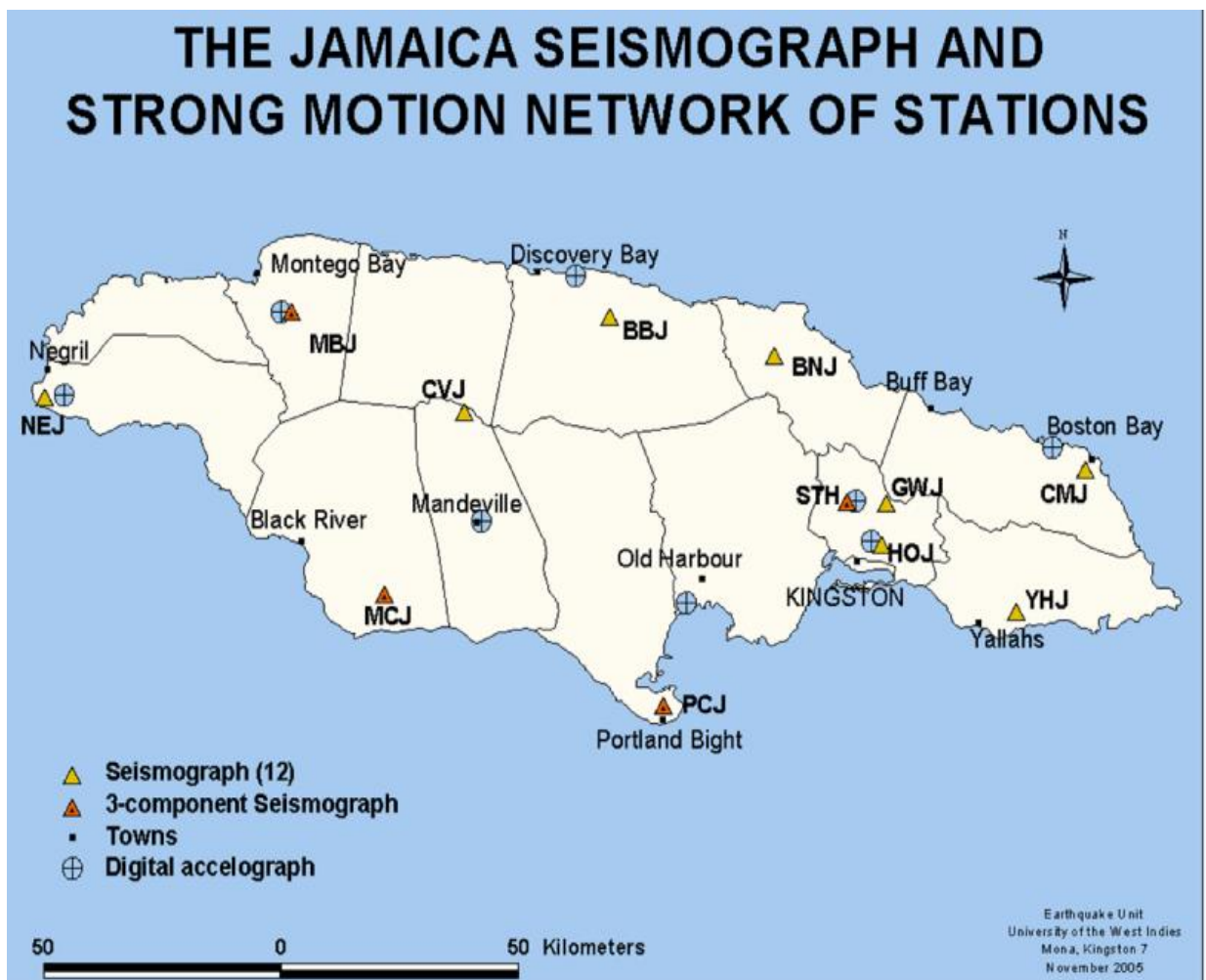


Figure1. Jamaica Seismograph Network and Strong Motion Network.

2. Strong Motion Network

There are currently eleven accelerographs deployed at nine installations across the island (Fig. 1). Besides MTDJ (not shown) there is no data link thus field visits are required to download data. The Unit is actively encouraging both governmental and non-governmental stakeholders to purchase and install accelerographs at/in key infrastructures which we would maintain.