



## Earthquake Scenario – Earthquake Unit – For High Schools

### EARTHQUAKE UNIT

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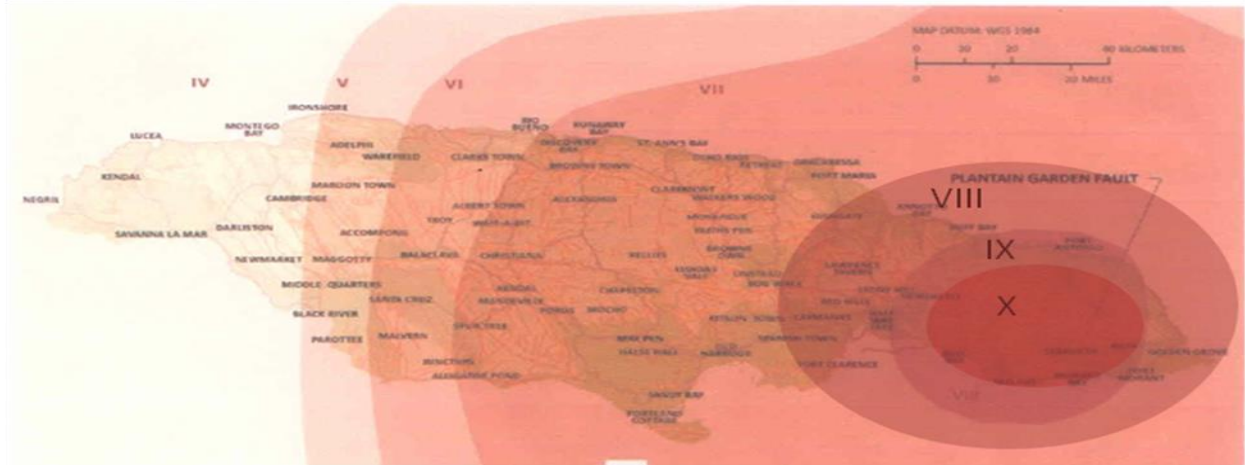
## **FELT EARTHQUAKE BULLETIN**

### ***Preliminary***

**AN EARTHQUAKE WAS FELT IN JAMAICA AT 11:08AM EST (LOCAL TIME) ON WEEK OF March 22, 2016.**

#### Preliminary Details:

|                            |   |
|----------------------------|---|
| <b>TIME OF OCCURRENCE:</b> | 11:08AM   |
| <b>EPICENTRE:</b>          | Trinity Ville, St Thomas in the Yallahs-Plantain Garden subarea.<br>(17° 57' 42.28"N/ 76° 31' 24.84"W)  |
| <b>MAGNITUDE:</b>          | 7.1   |
| <b>FOCAL DEPTH:</b>        | 15 km   |
| <b>INTENSITY REPORT:</b>   | Reportedly felt in all parishes (strongest intensities in St Thomas, Portland, Kingston and St Andrew and St Catherine).<br>Landslides are reported in Judgement Cliff (St. Thomas), Breastworks (Portland), Dallas Mountain and Jacks Hill (St. Andrew). |



|                        |         |            |        |             |                |         |            |
|------------------------|---------|------------|--------|-------------|----------------|---------|------------|
| PERCEIVED SHAKING      | Light   | Moderate   | Strong | Very Strong | Severe         | Violent | Extreme    |
| POTENTIAL DAMAGE       | None    | Very light | Light  | Moderate    | Moderate heavy | Heavy   | Very heavy |
| PEAK ACC (% g)         | 1.4-3.9 | 3.9-9.2    | 9.2-18 | 18-34       | 34-65          | 65-124  | >124       |
| INSTRUMENTAL INTENSITY | IV      | V          | VI     | VII         | VIII           | IX      | X          |

**\*\* Modified from simulation exercise in 2012.**