

Earthquake Risk: Concentration of Damage to Buildings

Modelled Scenario: Magnitude 7.3 Earthquake in the Strait of Georgia

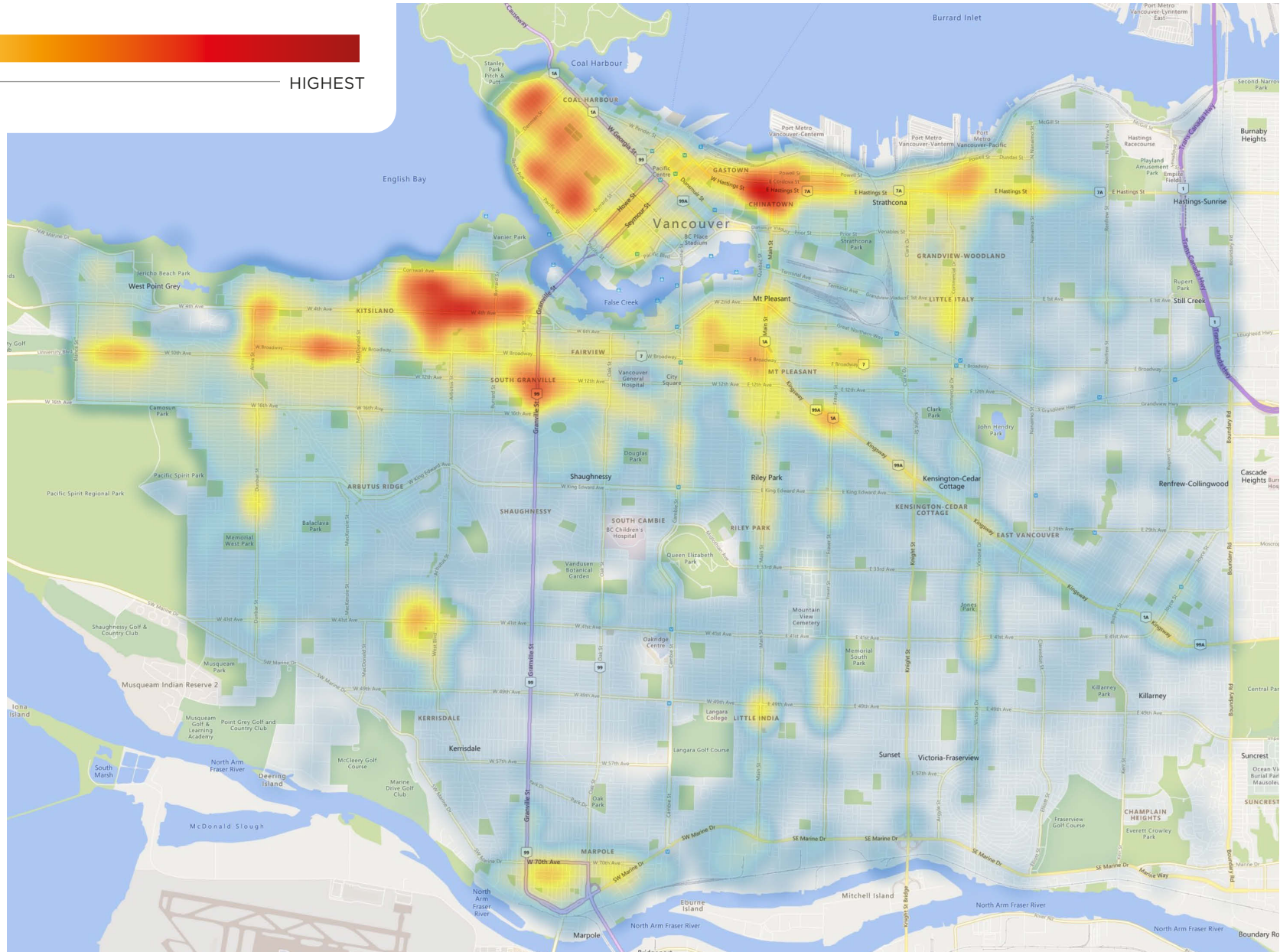


This map is based on a simulated magnitude 7.3 earthquake, located about 30 km west of Vancouver at a depth of 5-10 km. The map shows the potential concentration and severity of damage to buildings as a result of this earthquake scenario.

This map does not include damage to other types of infrastructure that may impact homes and buildings. Damage is possible across Vancouver and residents everywhere should take steps to prepare their homes and workplaces for earthquakes.

Earthquake preparedness is everyone's responsibility.

Learn more and get prepared at: vancouver.ca/earthquake



Limitations of this map: The magnitude 7.3 shallow crustal earthquake scenario was chosen as a planning scenario to evaluate the potential impacts to different types of buildings in Vancouver. Vancouver is exposed to different types of earthquakes in different locations, and no two earthquakes will have exactly the same impacts. While this model reflects only one scenario, it provides valuable information for mitigation and response and recovery planning. The model groups buildings by type, and does not provide information about individual buildings. The model does not include damage to infrastructure. Earthquake science and modelling in this region continues to evolve providing more opportunities to get better prepared.