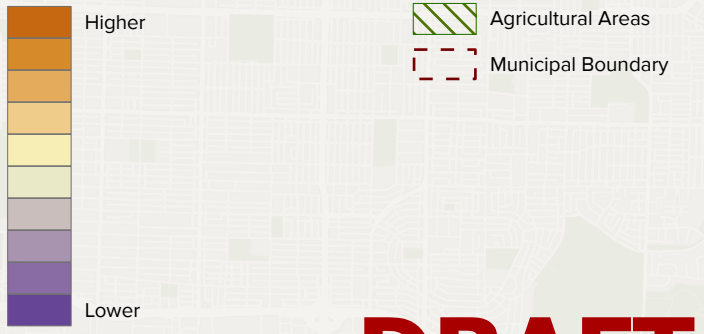
ShakeMap: M9.0 Cascadia Subduction Earthquake

Relative Shaking Intensity
Presented at the Settled Area scale

This map shows the ground motion shaking intensity associated with a M9.0 Cascadia Subduction Earthquake. The diverging colour gradient illustrate the spatial variation in expected shaking intensity across the City of Burnaby. While this map provides a qualitative representation, the intensity measure used to produce it was the Spectral Acceleration at a 1-second period or Sa(T=1s). Epicenter coordinates: latitude 48.250 degrees, longitude -125.217 degrees, Depth = 15km.

Full rupture of the Cascadia interface fault, the fault defining the boundary between the North American and Pacific Ocean plates. This magnitude 9.0 event, often referred to as 'The Big One', affects most communities in southwestern British Columbia.



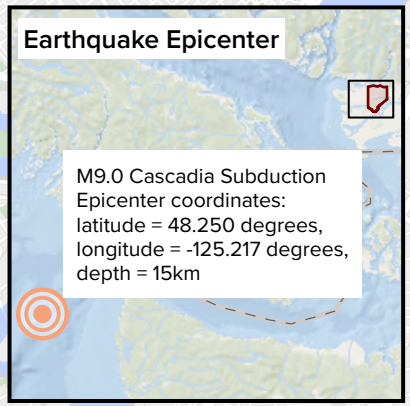
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The data presented in this map originated from the National Earthquake Scenario Catalogue, with site-specific updates carried out as part of the B-SAFER project. More details at: https://opendrr.github.io/earthquake-scenarios/

City of Burnaby

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