

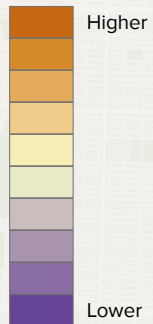
ShakeMap: M7.0 Georgia Strait Earthquake

Relative Shaking Intensity
Presented at the Settled Area scale

This map shows the ground motion shaking intensity associated with a M7.0 Georgia Strait 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 $S_a(T=1s)$. Epicenter coordinates: latitude 49.243 degrees, longitude -123.627 degrees, Depth = 3km.

In 1997, a magnitude 4.6 earthquake occurred 3 to 4 km beneath the Strait of Georgia. This scenario visualizes the effects of that event if it had a magnitude of 7.0, and represents a strong ground shaking event that could strike Metro Vancouver.

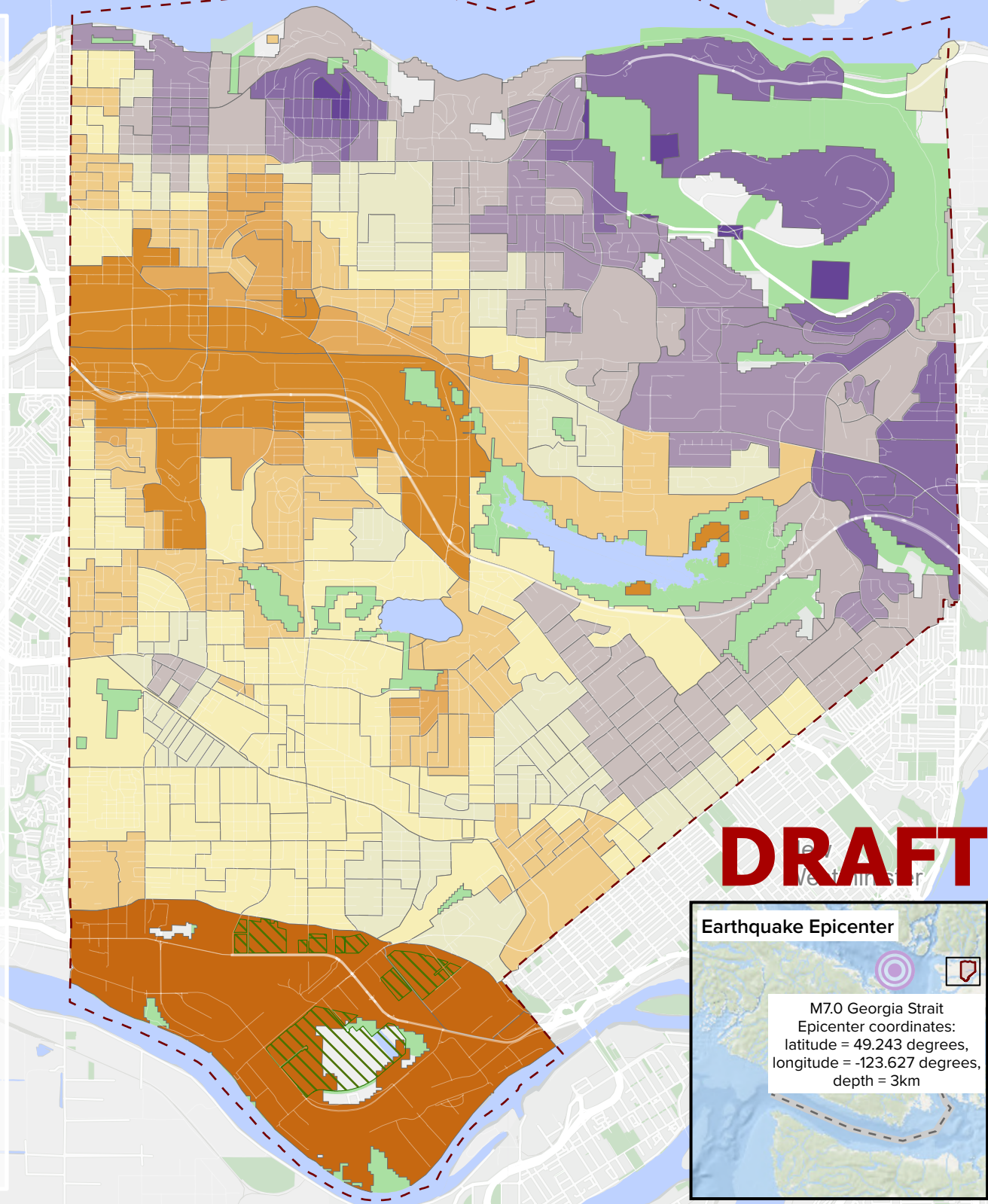
Relative Shaking Intensity



- Park
- Agricultural Areas
- Municipal Boundary

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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/>



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Earthquake Epicenter

M7.0 Georgia Strait
Epicenter coordinates:
latitude = 49.243 degrees,
longitude = -123.627 degrees,
depth = 3km