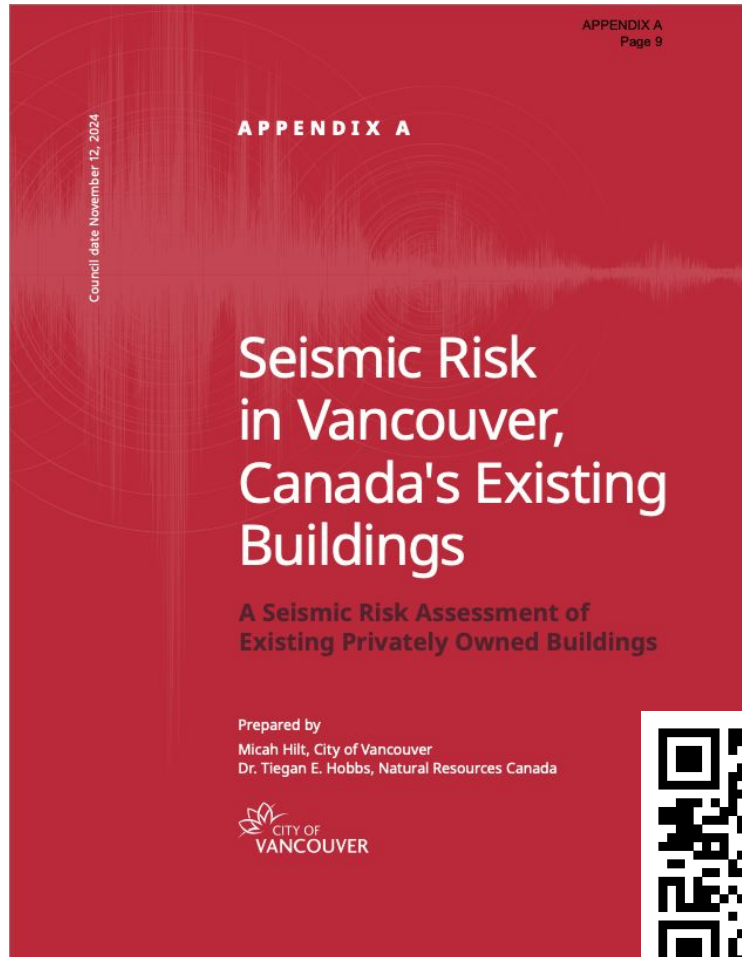


An aerial photograph of the Vancouver waterfront, featuring a marina with numerous boats, a bridge, and modern high-rise buildings. The entire image is overlaid with a semi-transparent teal color. The text is centered over the image.

BC | Climate Resilience Summit 2026

Vancouver, Robson Square | March 2-3

(1) Seismic Risk in Existing Buildings



- 6,080 Heavily Damaged Buildings
- 1,370 Severe Injuries + Fatalities
- > 230,500 Disrupted or Displaced Residents
- > \$17B in Direct Financial Losses



'Existential threat': How a big earthquake would devastate Vancouver

New computer modelling suggests 6,300 older buildings would be heavily damaging, killing or maiming 1,350 people

By [Gordon Hoekstra](#)

Published Nov 11, 2024 Last updated Nov 11, 2024 4 minute read 19 Comments



Unanimous support from Vancouver councillors to create earthquake risk mitigation strategy

By [Abigail Turner](#)

Published: November 13, 2024 at 9:21PM EST



(2) Seismic Risk Reduction Action Planning

4 Risk Reduction Actions

Status Quo	Capacity-Building Measures	Enabling & Encouraging Measures	Mandated Retrofit & Replacement
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Potential Risk Reduction Actions

- At-risk building inventory, supported by seismic screening
- Nonmarket housing pilots & support programs
- Simplifications and enhancements to the VBBL Part 11
- Land use planning tools
- Community & Owner education programs

Seismic Risk and Risk Reduction in Existing Privately Owned Buildings | 11-11-2024 | 26



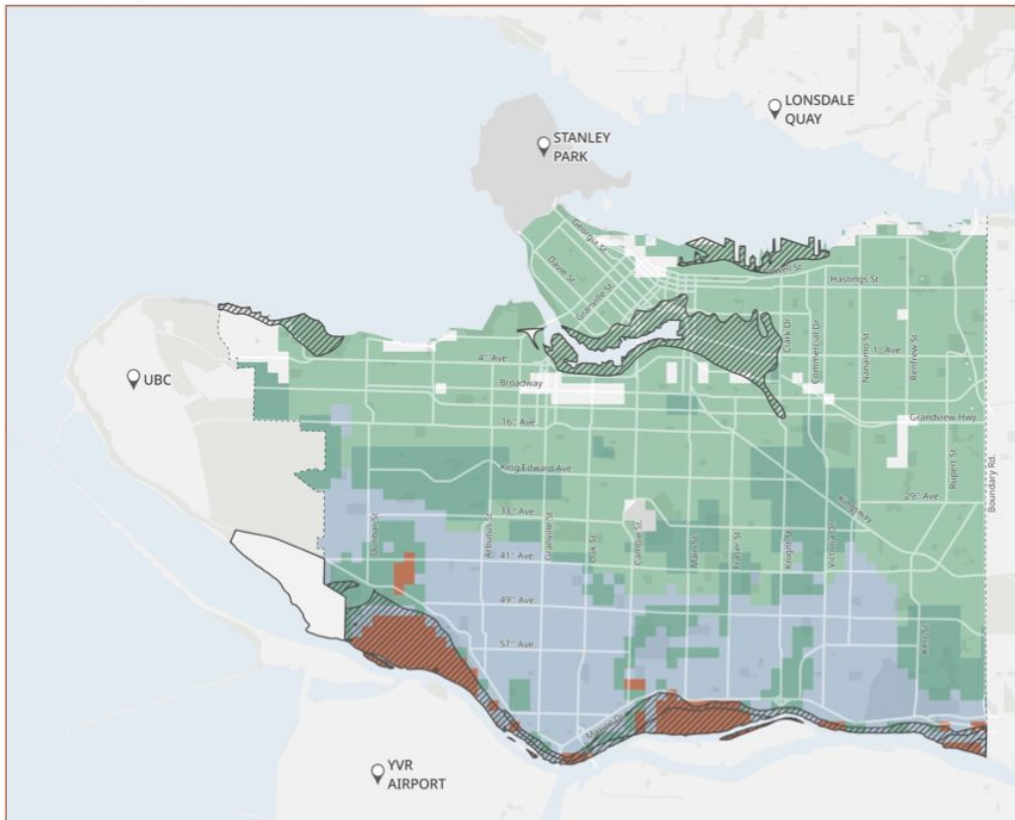
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Buildings Seismic Risk Reduction Action Plan - 2025 Stakeholder Engagement

city of VANCOUVER
February 2, 2026

(3) Risk Reduction Trajectory

Map 26: Areas of amplification and liquefaction



Source: Metro Vancouver Seismic Microzonation Mapping Project (2025)



Part 5 12. Hazardous Lands and Risk Reduction

12.2.3 Consider hazardous lands in area planning, including considering limiting development on lands subject to hazardous conditions, or strategically allowing for redevelopment or changes in use where existing infrastructure or development is particularly vulnerable to risk, giving careful consideration to displacement impacts.

12.2.4 Develop City policies and leverage partnerships with provincial and federal governments to reduce risks and adapt buildings and infrastructure subject to hazards like earthquakes, flooding, and extreme heat.

12.2.5 Development sites near rail facilities should reflect design solutions and incorporate risk mitigation measures tailored to the unique local context to address potential hazards from heavy passenger and freight rail, as well as health and safety concerns such as noise, vibration, and emissions. This may include separating certain uses from rail facilities and providing and constructing engineered solutions to mitigate derailment risk.

Building an Action Plan, Building Action

- Build upon and expand all-sector, all-level **partnership** to foster sustained buy-in and increase the feasibility of action
- Deepen our **collective understanding** of the issue, as a first step to co-creating solutions and achieving senior government buy-in, and as an ongoing process that sustains action
- Advance **strategic upgrade methods** that incrementally improve buildings across multiple hazards

Thank you!

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