



The Crises





Housing



Climate change



Biodiversity



Competing for Limited Space



- Where do we see as 'vacant land'?
- How do we determine the 'highest and best use'?

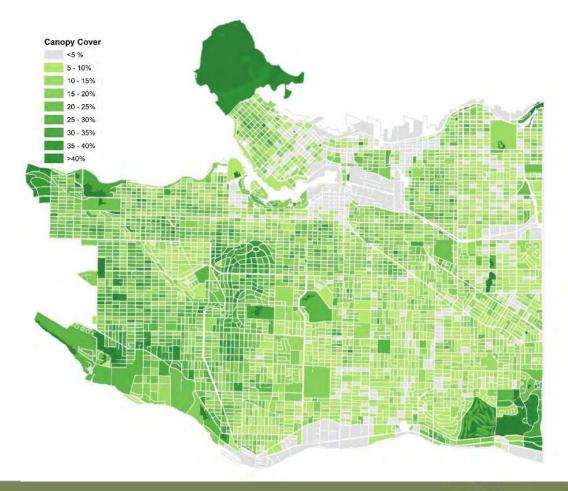


Competing for Limited Space



- The climate and biodiversity crises tell us that we need urban nature...
 - ... and we need it close by

Research shows that lower greenness within 100 m of a residence is associated with more deaths during extreme heat events



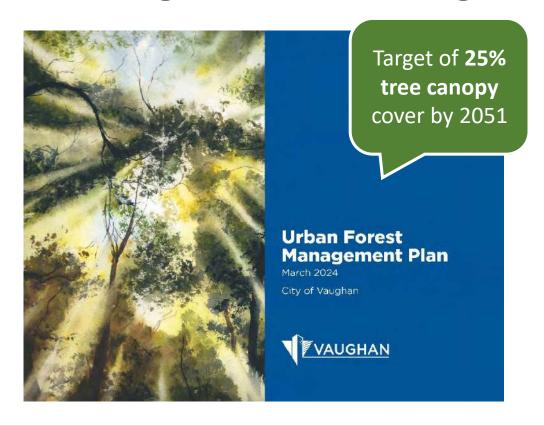


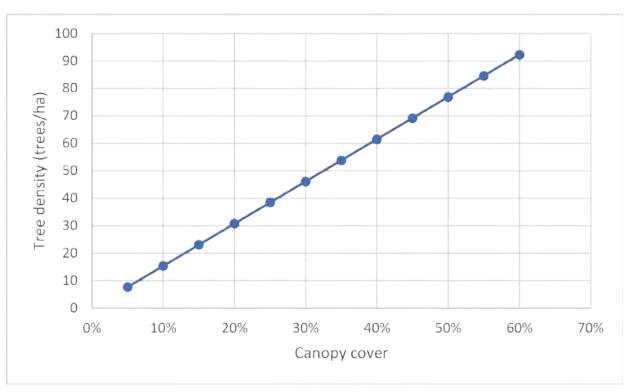


Integrate Nature Into Land Use



Translating environmental targets into landscaping requirements

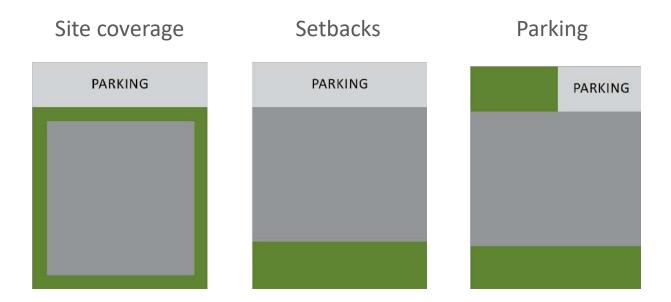








• Land use regulations drive the space available for nature:



• And think underground: utilities and structures

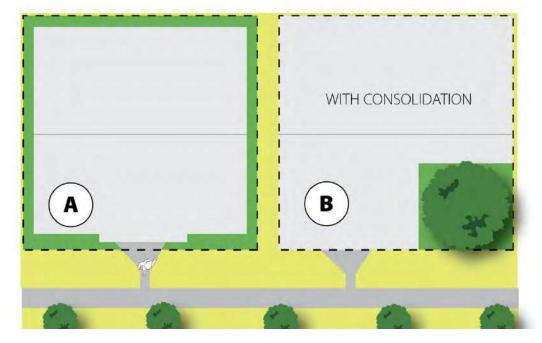




Land use regulations drive the space available for nature



 Pervious area requirements can secure the space Same total pervious area with varied configurations: (A) perimeter vs (B) consolidated for tree planting potential







- Environmental Development Permit Areas: Plan around, protect, and restore ecosystems
 - Learn about and respond to site conditions
 - Provide direction and flexibility to make informed site planning decisions



City-wide



Sensitive ecosystems

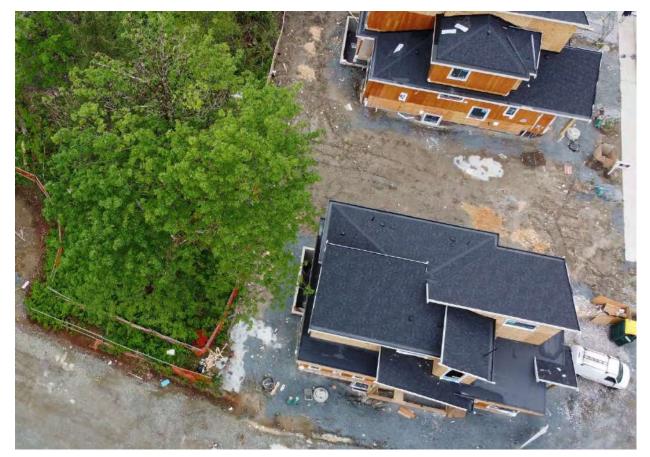


Biodiversity network





- Tree bylaws: increase tree retention and ensure canopy replacement
 - Can focus on public and private land (where provincial jurisdiction exists)
 - Only as effective for tree retention as land use bylaws allow it to be







Should Provinces Do More?



 Considering provincial mandates for no net loss of sensitive ecosystems

Washington State Growth
Management Act requires that all
cities and counties adopt
development regulations that
protect critical areas:

- Wetlands
- Areas with a critical recharging effect on aquifers used for potable water
- Frequently flooded areas
- Geologically hazardous areas
- Fish and wildlife habitat conservation areas



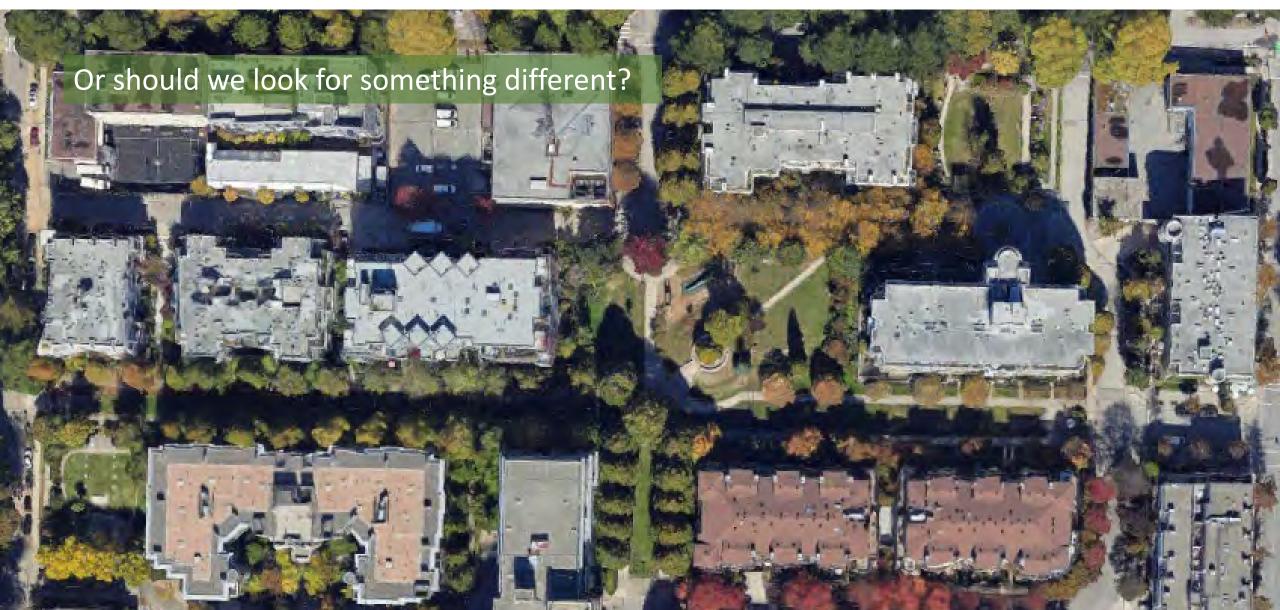
What is our vision?





What is our vision?





Thank you!





For more information on this Toolkit, visit

https://metrovancouver.org/services/regional-

<u>planning/Documents/metro-vancouver-tree-regulations-toolkit.pdf</u>

Or download the PDF here:



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