

Making Room: Assessing Complete Communities in The City of Vancouver

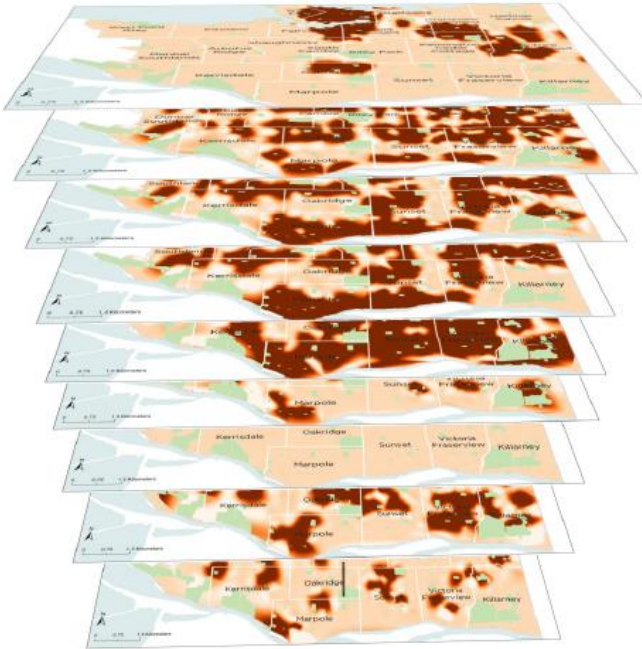
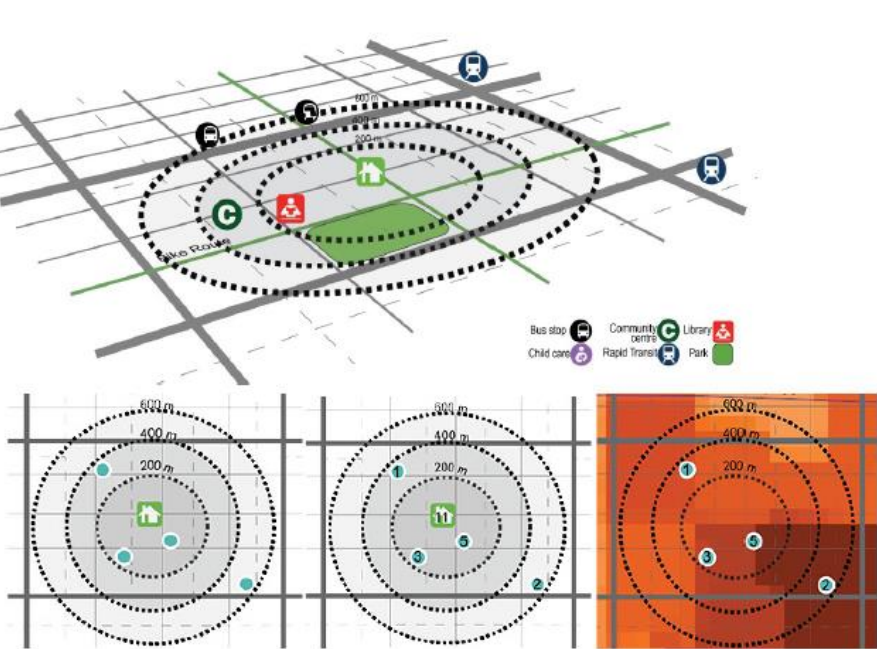
Walkability, Diversity, and Housing Choice
in low density neighbourhoods

What?

1. **Walkability** – focus growth on creating complete communities (Walkable complete communities - Climate Emergency)
2. **Diversity** – explore economic, age, and ethnic diversity
3. **Housing Choice** – expand housing choice in low density neighbourhoods (Right supply - Housing Vancouver)

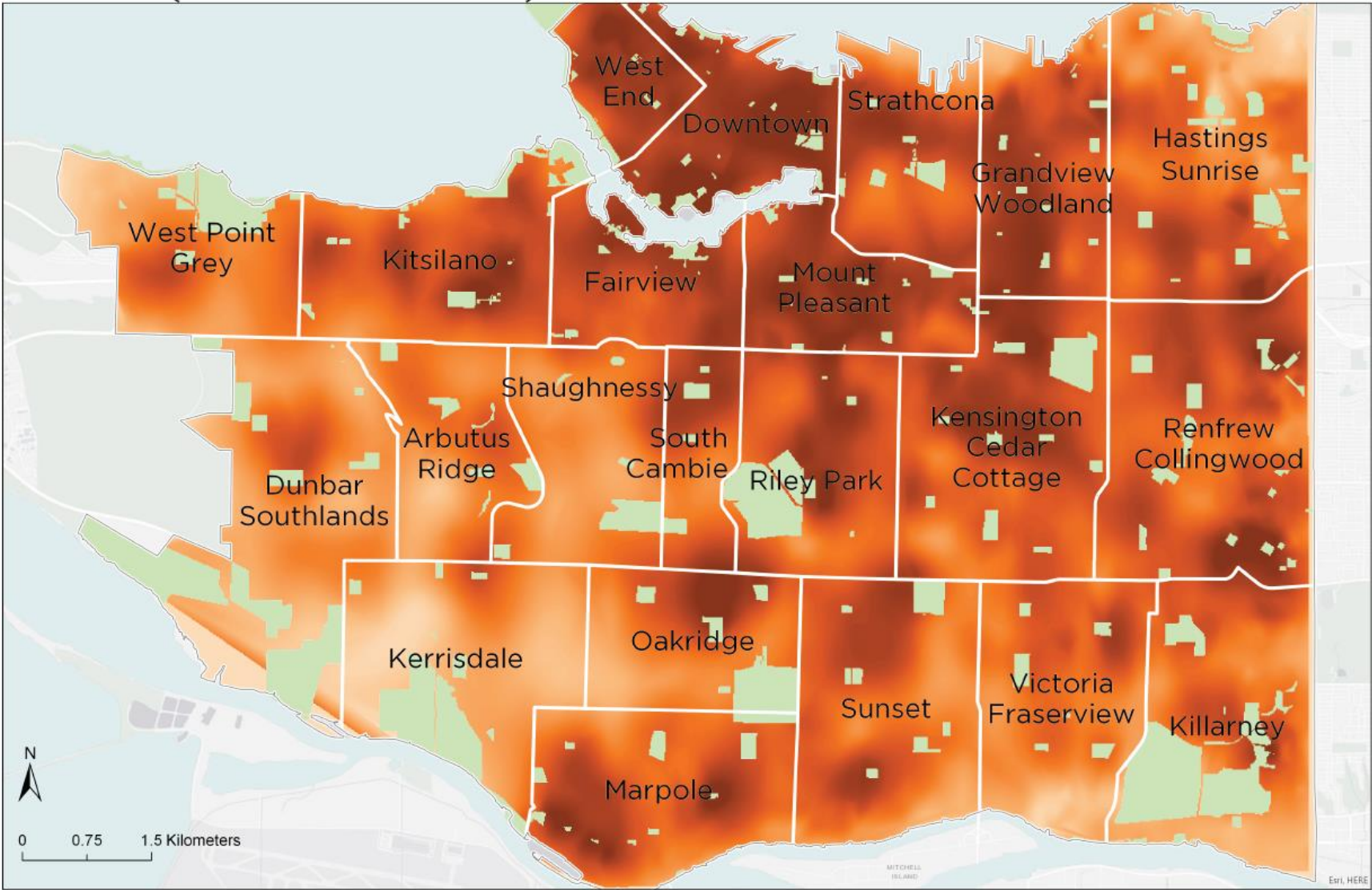
WALKABILITY (THE 5 MINUTE CITY)

Indicators	
Sky train stop	Park space
Bus stop	Grocery
Retail space	Child care
Jobs space	Elementary school
Public facilities	Playgrounds



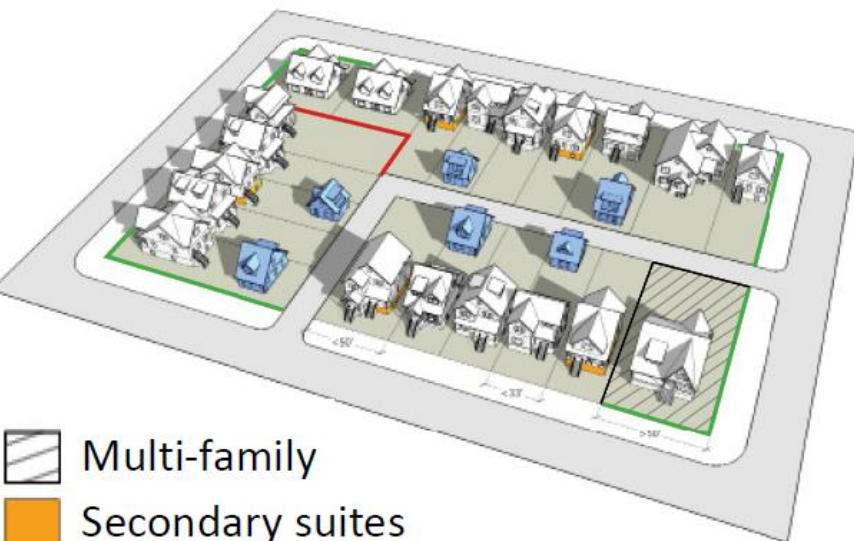
COMPLETE COMMUNITIES - ASSESSMENT FRAMEWORK - DRAFT




WALKABILITY (THE 5 MINUTE CITY)

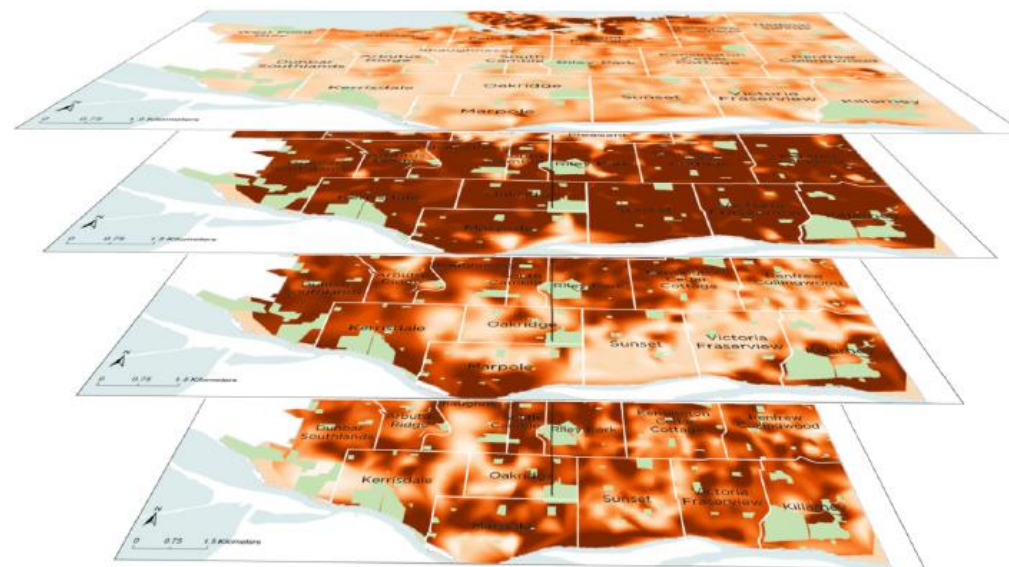


HOUSING CHOICE

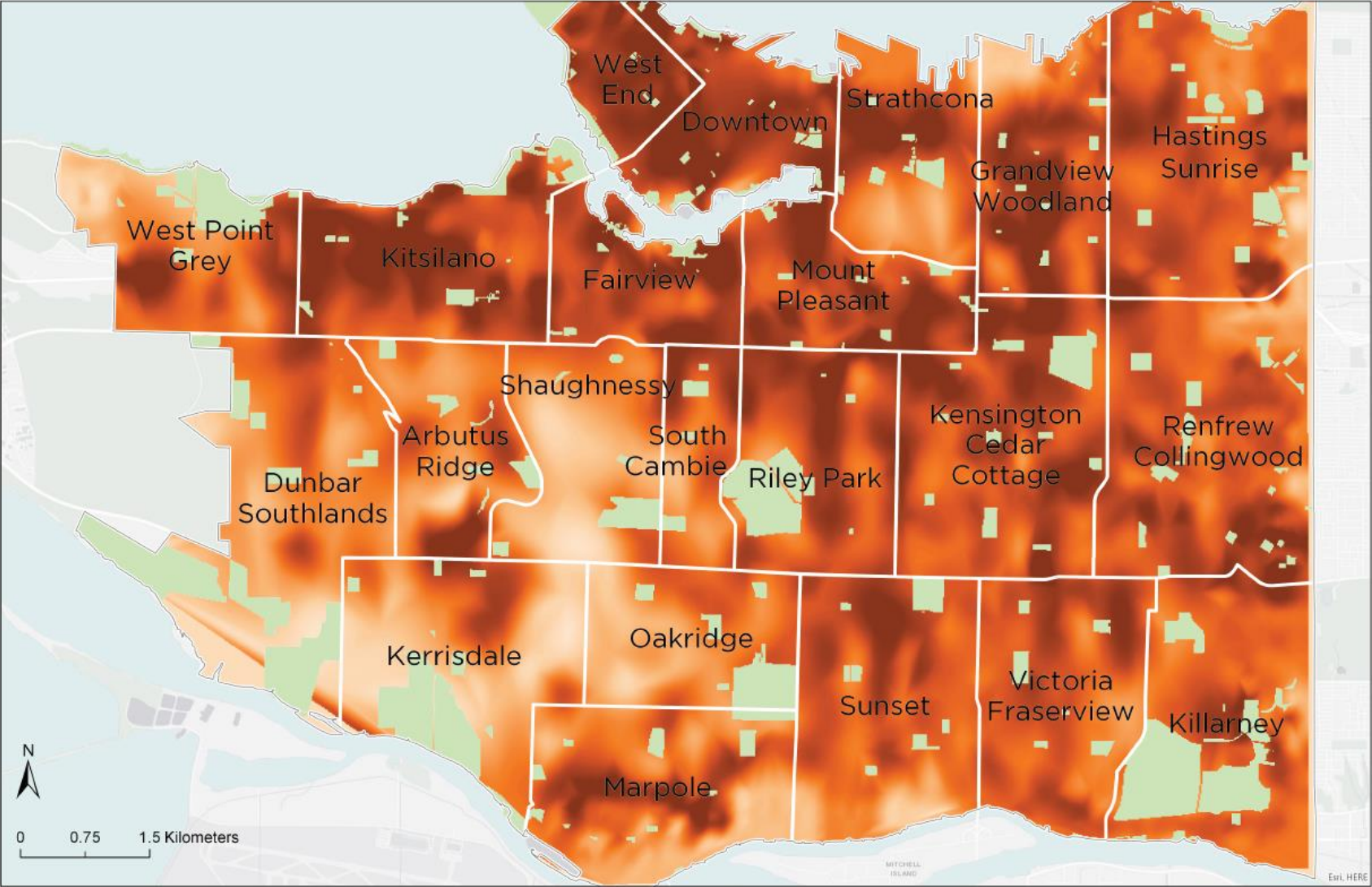
Indicators
Unit Density (per hectare)
Rental Density (per hectare)
Housing Form Diversity
Bedroom count diversity
Rental Affordability (proportion of rental households spending less than 30% of income on shelter)



-  Multi-family
-  Secondary suites
-  Infill



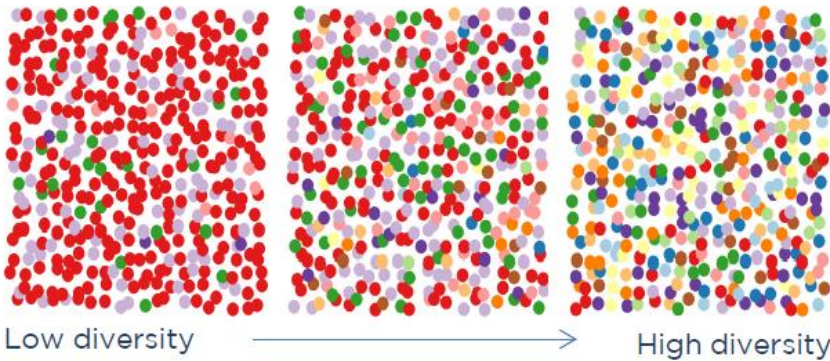
HOUSING CHOICE



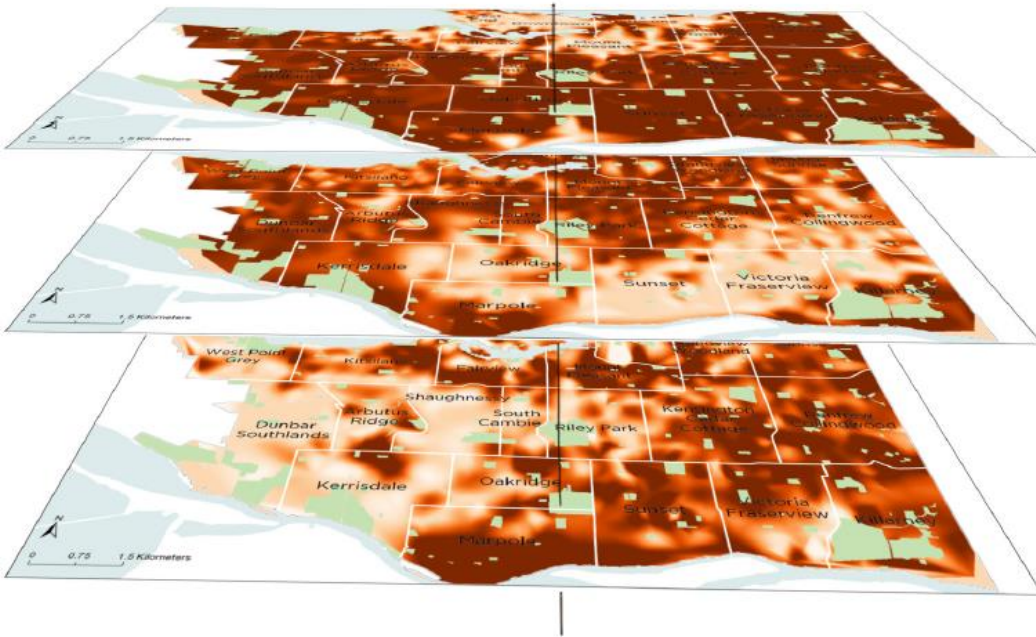
DIVERSITY

Indicators
Age Diversity
Ethnic Origin Diversity
Household Income Diversity

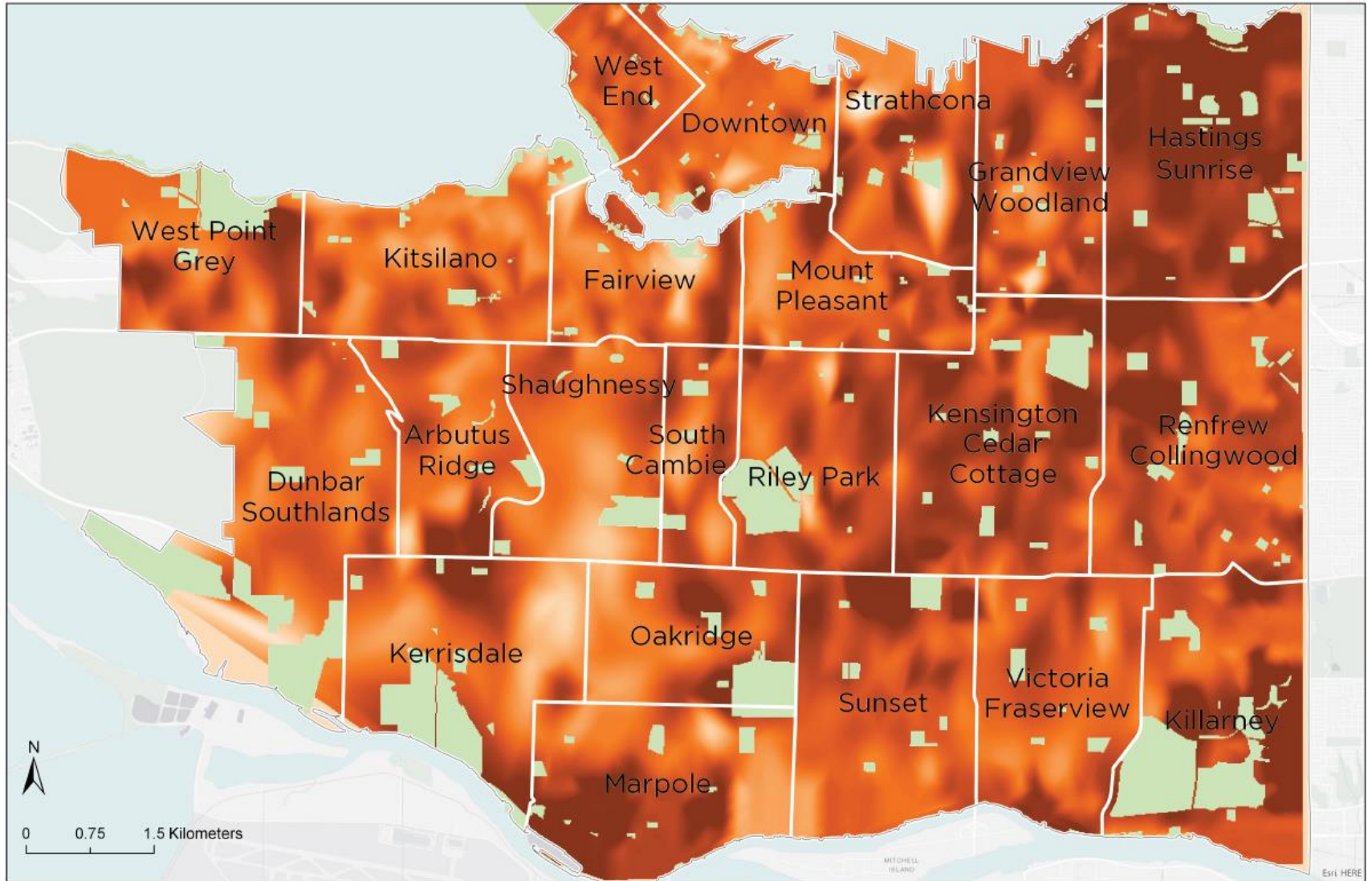
Step 2: Calculate Indicators



$$Diversity = 1 - \left(\frac{\sum(n*(n-1))}{n*(n-1)} \right)$$

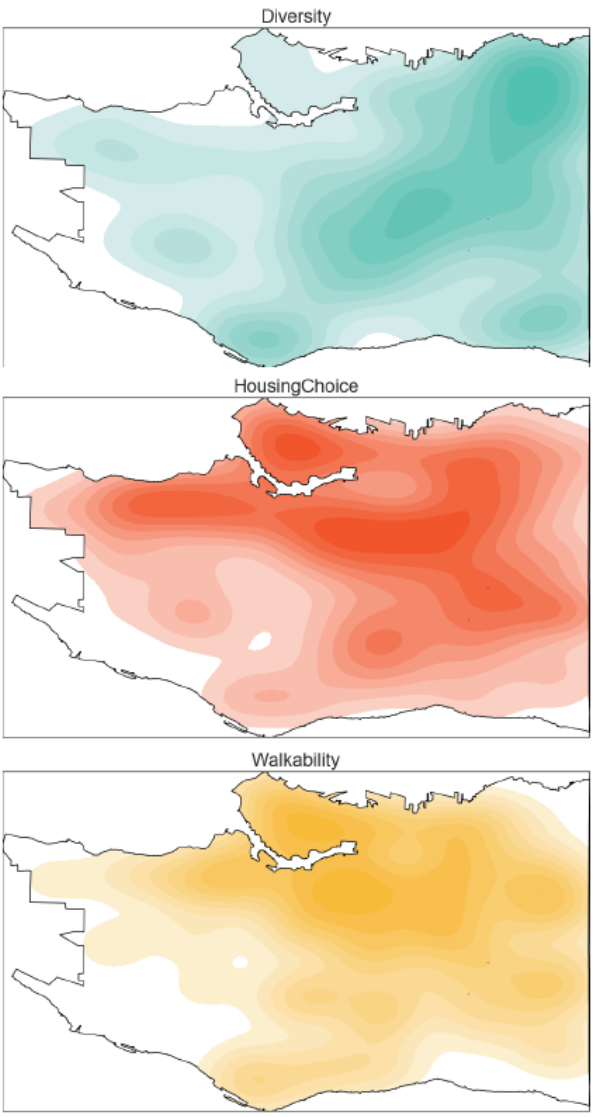
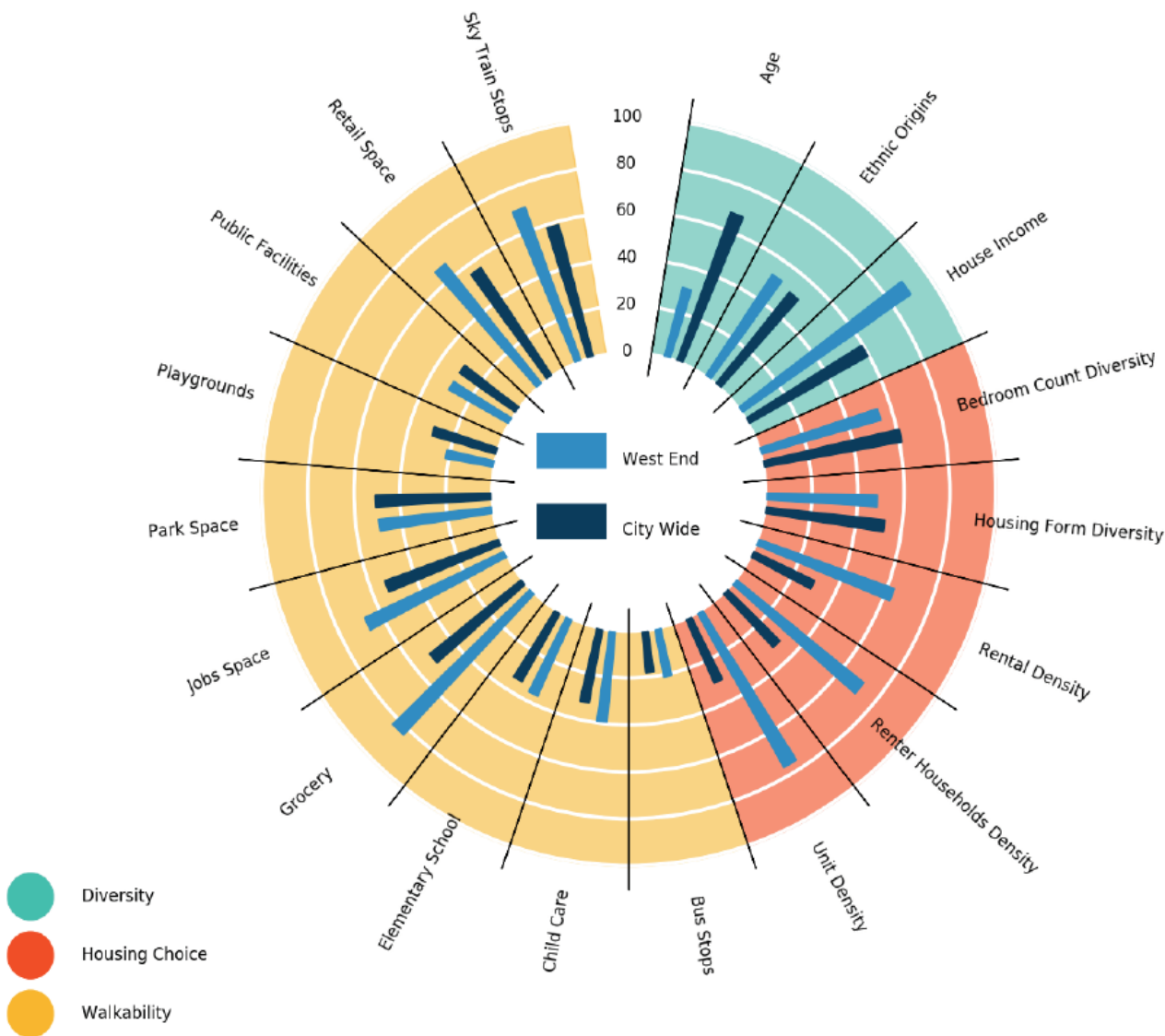


DIVERSITY



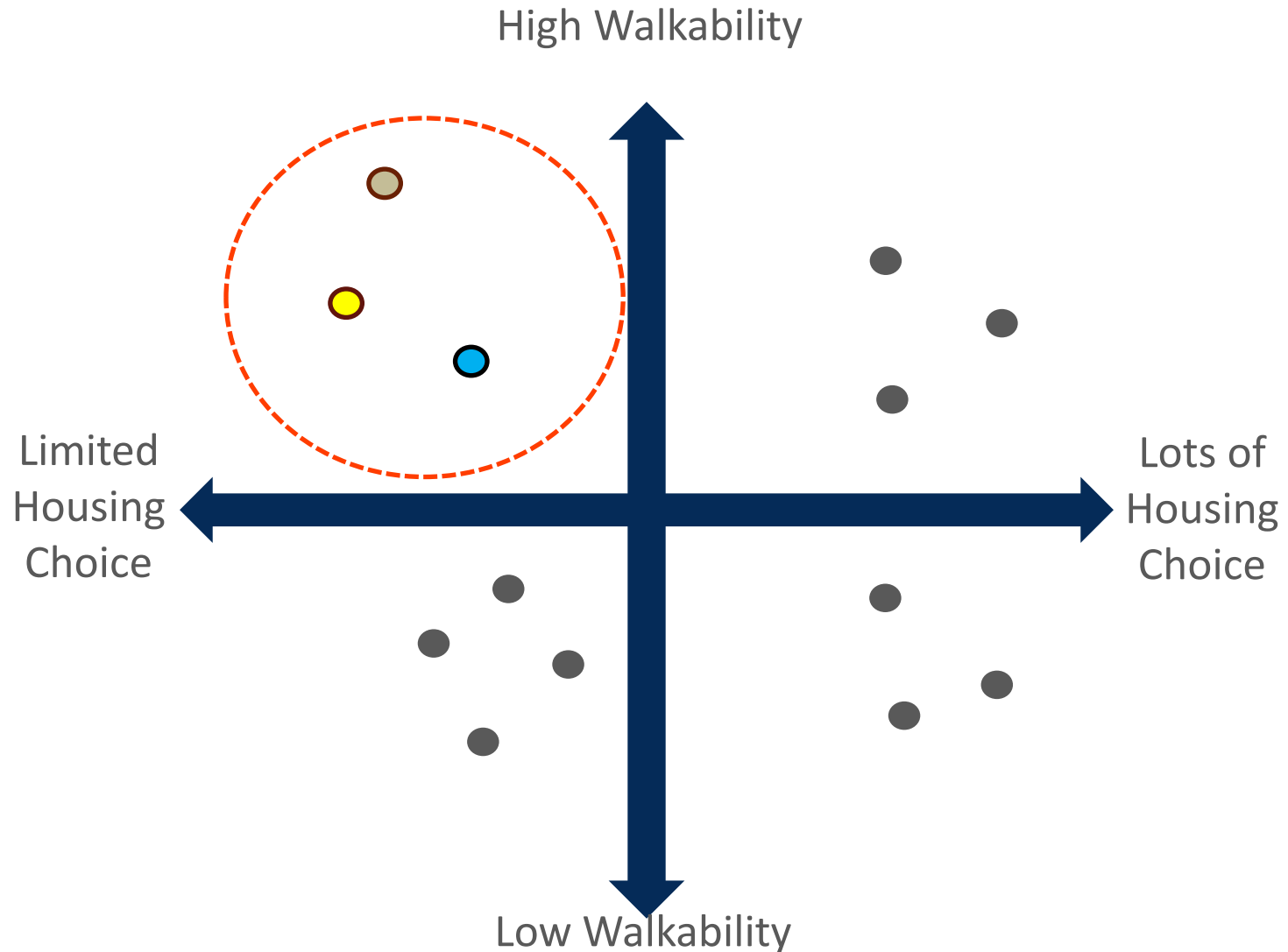
Applications
Applications
Applications
Applications
Applications

COMPLETE COMMUNITIES - COMPARING GEOGRAPHIES



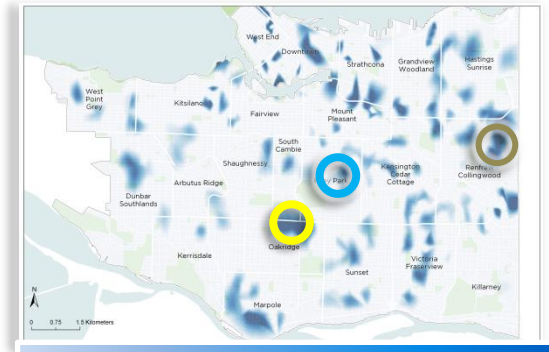
Complete Communities – Identifying Opportunities

eg., identify areas with low *housing choice* and high *walkability*....



Complete Communities – Identifying Opportunities

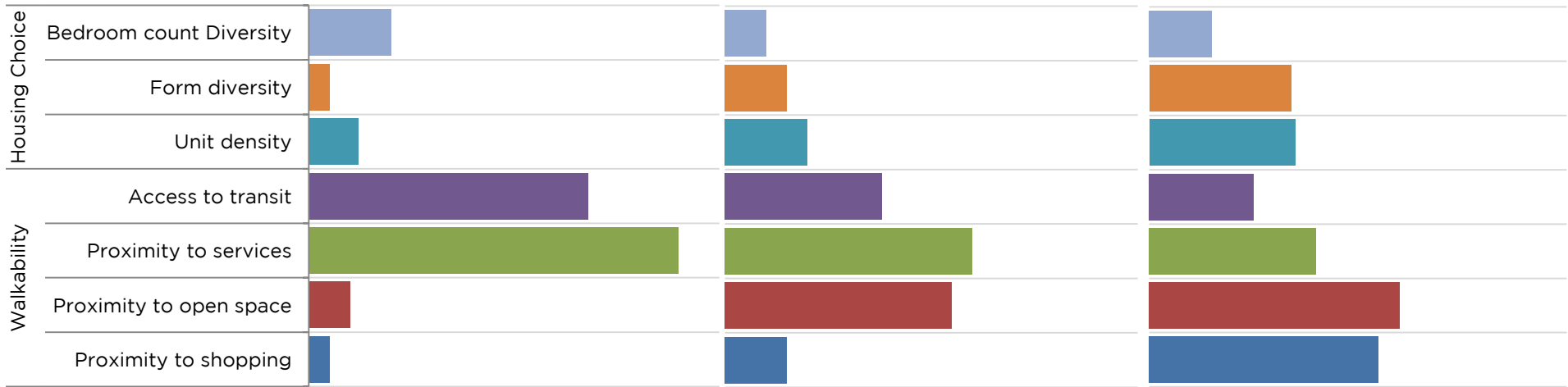
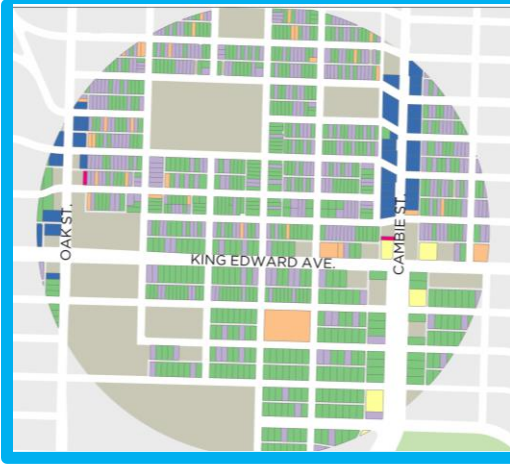
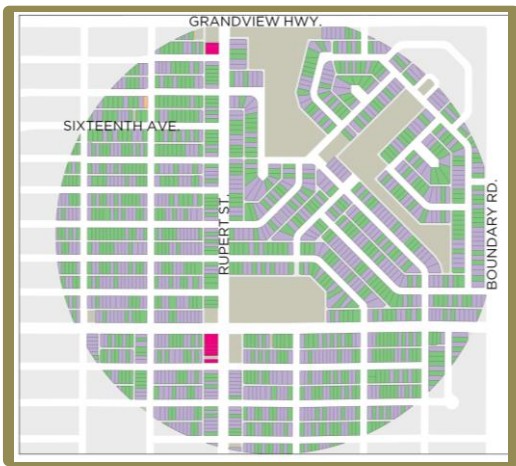
Areas with low displacement risk AND
low housing choice



High displacement risk and High housing choice

Low displacement risk and low housing choice

- SFD
- SFD (w suite)
- Multi-family
- Apt (4+ flrs)
- Apt (<4 flrs)
- Mixed-use
- Non-Residential



Complete Communities – Identifying Neighbourhoods

DRAFT - Identifying Neighbourhood Typologies:

1. Find nodes within 400m of: a) Public spaces and b) shopping and services (15,000 sq ft)
2. Identify 'neighbourhoods' from surrounding nodes' proximity to shopping and services and population density

