

ENHANCING GREENSPACE

The purpose of this project is to develop a sustainable and feasible pedestrian plan to get more residents of the City of North Vancouver walking. This will be accomplished by improving the City's use of green space and the areas surrounding them. Our study mapped out background information from multiple resources through the use of a GIS software, ArcMap, showing the current status of resources that affect walking in the City of North Vancouver.

Our analyses of these greenspaces based on the above maps show a lack of facilities that promote resident visitation to many of the parks. It was also found that changes to the infrastructure surrounding the green spaces are necessary in order to increase safety and walking around and in the areas.



ABOUT THE CITY OF NORTH VANCOUVER

The city itself has a population of 48,196 people, making it one of the more dense municipalities in the Greater Vancouver region. The median age and household income is 41.2 years and \$52,794 respectively, both of which are slightly greater compared to rest of Canada. It is significant to note that the median cost of a dwelling in the city (\$599,985) is nearly double than that of the national average.

This information suggests that the city is likely home to residents with higher income and greater socioeconomic status when compared to other Canadian cities.

We were provided data by the City of North Vancouver and used here in accordance with the Spatial Data Agreement between SFU and the City

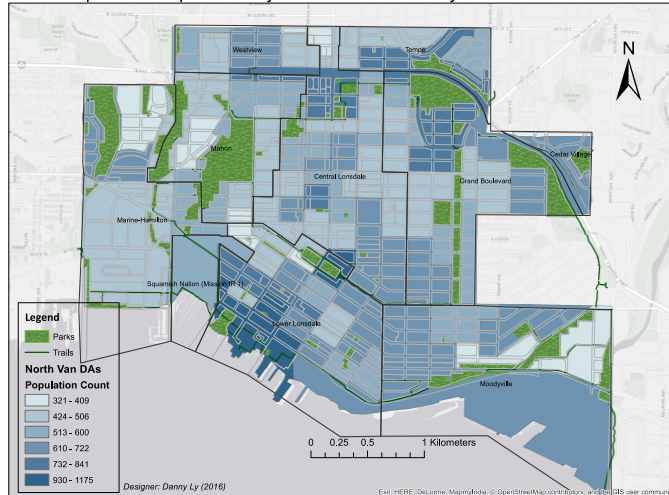
INCREASING WALKABILITY THROUGH THE ENHANCEMENT OF GREENSPACE



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IN COLLABORATION WITH THE
CITY OF NORTH VANCOUVER**

RESULTS

Population Map of the City of North Vancouver by Dissemination Area

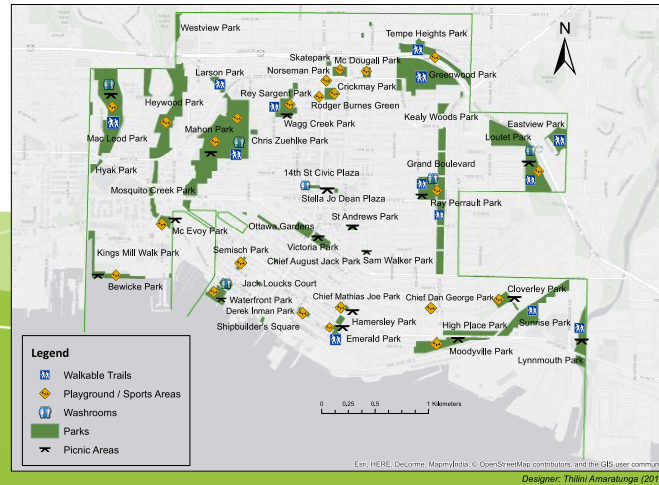


The *population map* shows the proportion of the residents of North Vancouver. It depicts the City's population by dissemination area (DA). Darker shades of blue represent higher population counts within that DA.

Recommendations based on Population

- Implement recommendations initially at parks where there are **populated areas** (e.g. Waterfront Park and Victoria Park in the Lower Lonsdale neighbourhood)
- Create **new parks and greenways** in areas where there are a lack thereof (e.g. Westview and Central Lonsdale)

Key Park Amenities in the City of North Vancouver



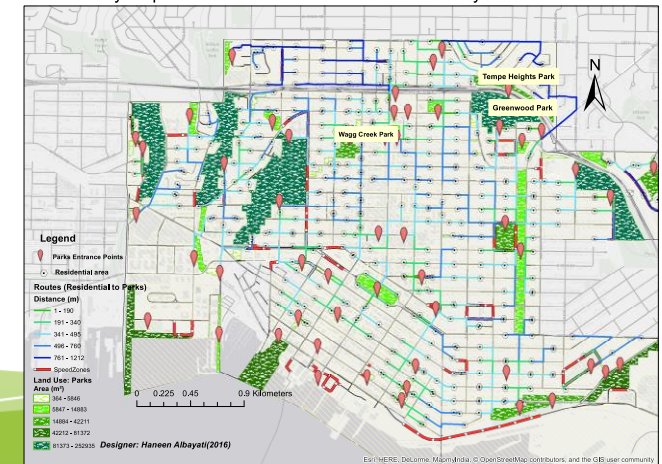
The *amenities map* depicts the current features available within the City's parks that would attract residents and their families.

These amenities include walkable trails, picnic areas, sport areas such as basketball courts and volleyball nets, playgrounds, and washroom facilities.

Recommendations within Parks

- Increase number of **walkable trails**
- Increase number of **restrooms** and **picnic areas** and ensure their regular maintenance
- Increase number of facilities that promote **children's play**, and ensure traffic safety measures are set in place

Proximity Map of Residential Areas To Parks in the City of North Vancouver



The *proximity map* shows the distance (in metres) between residential areas to the entrances of parks within the City.

Recommendations to get to Parks

- Improve current routes between parks and residential areas by: **displaying park signs** that indicate walkable routes, entrances to parks, and elements within parks.
- Implement **slower speed zones** around all parks that include playgrounds.
- Consider including future parks only within the recommended **walking threshold** → **max of 2 km**.

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