

# Seniors on the North Shore:

Mapping project analysis of seniors aged 65 to 84 and seniors 85 years and older



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Prepared by  
Justin Ho and Alison Marshall  
Strategic Consulting Partnership  
United Community Services Co-op

Prepared for  
Services to Seniors Coalition – North Shore

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# Executive Summary

In 2008, the Services to Seniors Coalition – North Shore (the seniors planning table for the North Shore) undertook a mapping initiative of seniors 85 years and older, where they lived and the programs and services available to them in the North Shore. In the summer of 2009, a second mapping exercise took place, extending the work from 2008 to include seniors 65 to 84.

The Strategic Consulting Partnership of the United Community Services Co-op, who was engaged to analyze the information and trends from the 2008 mapping project, were again contracted to analyze the new Geographic Information Systems (GIS) maps, as well as integrate their analysis with their previous work.

The analysis and report was commissioned to inform the Services to Seniors Coalition during its annual planning day in September 2009. This executive summary groups analysis highlights into the three proposed working groups of the Coalition – Advocacy, Education, and Community Development – as a means to present an overview of analysis information in the most practical format.

## ***Signposts for the Advocacy Working Group***

- Seniors in certain neighbourhoods, such as Eastview for example, may face ***multiple barriers such as low income status and lower levels of education***, which may require a tailored approach to connect these seniors to relevant services and programs.
- In Metro Vancouver, the North Shore is socio-economically one of the wealthiest communities; this may ***challenge the belief that there are seniors in the area who meet the criteria for persons and families age 65 and older with low income status***. Given that there is in fact a significant number of low income seniors on the North Shore, who may themselves have a psychological barrier of accessing various programs and services targeted at this group, there is a need for advocacy in this area.
- The observed trend that seniors in the North Shore are potentially moving into more accessible neighbourhoods as they age raises some large questions for the entire community. ***What vision does the North Shore have around housing and also about aging in place?*** If the movement trend is in fact occurring, is the community vision to accommodate and embrace this trend? If so, how will the municipalities handle the competition for housing in the high density areas as when both seniors and young families compete for the same housing stock?

## ***Signposts for the Education Working Group***

- From the current mapping analysis, we are able to track some of the concentrations of where seniors live, as well as ***a possible trend of the movement of seniors as they age***, given the

different locations of where 85 + seniors and 65 – 74 live. Additional research is required to learn more about whether this concentration is the movement of seniors as they age, is mortality-rate related, or as a result of other factors. A better understanding of this will inform the local health region, provincial health services and others on provisions of emergency services.

- As ***seniors transition out of work and adjust their lives to retirement***, the availability of programs and services (and how they are able to access them) become important, as these habits may not change as they age. The analysis for younger seniors and access/proximity to information, recreational and social services, as well as commercial centres illustrates a growing challenge with services and hubs specifically below and around the highway while having younger seniors living all across the North. Access and use of these services are key parts of a person's sense of self, sense of independent living, and quality of life.
- ***Farsi is the most significant language population for seniors 65+*** and given that this particular immigrant population is so predominant on the North Shore, targeted efforts in addressing the unique needs of Farsi-speaking seniors would be an effective way to provide significant positive impacts. The nature of the maps also indicate that concentrations of seniors speaking any of the five languages are found all across the North Shore, making concentrating efforts in particular neighbourhoods difficult to gauge and plan for.

### ***Signposts for the Community Development Group***

- ***Independent living for seniors is compromised by a lack of access to public transit.*** In order to stay independent for a longer period of time, accessible public transit becomes increasingly important in the 65 – 84 age range. There are significant number of seniors aged 75 – 84 residing in the Panorama area in the British Properties; many living in single detached houses and are well removed from the transit route buffer. A lack of accessible public transit may also hinder seniors from socializing or participating in their communities.
- Although fewer numbers of seniors 85+ are found ***in more remote areas, such as Lions Bay or Bowen Island, there are significant concentrations of seniors age 65 to 74 (as high as 66 – 135 seniors) and age 75 to 84 (as high as 26 – 55).*** Over the coming years, these populations will be aging and the need for programs and services in these areas will likely increase.

# Background and Mapping Information Sources

In 2008, the Services to Seniors Coalition – North Shore (the seniors planning table for the North Shore) undertook a mapping initiative of seniors 85 years and older, where they lived and the programs and services available to them in the North Shore. In the summer of 2009, a second mapping exercise took place, extending the work from 2008 to include seniors 65 to 84.

The Strategic Consulting Partnership of the United Community Services Co-op, who was engaged to analyze the information and trends from the 2008 mapping project, were again contracted to analyze the new Geographic Information Systems (GIS) maps, as well as integrate their analysis with their previous work. This report represents the results of those efforts.

General sources for all the maps generated and studied were:

- Statistics Canada
- Neighbourhood boundaries provided by District of North Vancouver
- Streets data provided by District of North Vancouver (BC TRIM data)
- Colour scheme selected from ColorBrewer
- Map prepared by North Shore Community Resources

Category specific data:

- Transit route data provided by Translink (2008)
- Seniors Housing Options data provided by Services for Seniors Guide (2007)
- Population data provided by District of North Vancouver (Statistics Canada 2006 Census data)
- Health, emergency services, and recreation and social services data provided by the Vancouver Coastal Health Authority

**PART ONE: Comparison of Maps for Seniors 65  
– 84 with Previous Study of Seniors 85+**

## ***Analysis Category: Health Services***

### **Mapping Information**

The following Health Services data was mapped for both current and previous study

- Medical Clinic;
- Medical Labs and X-Ray Services;
- Medical Specialist;
- Community Health Centre;
- Adult Day Centre;
- Counselling, Support and Mental Health Program; and
- Multi-Service Node (locations where multiples of the above were located in close proximity)
- Source: Vancouver Coastal Health Authority

### **Maps Generated for Analysis**

The following maps were created (9 maps in total):

Current study –

- Concentration of seniors 65-74 with the location of health services (West North Shore sub-map)
- Concentration of seniors 75-84 with the location of health services (West North Shore sub-map)
- Concentration of seniors 65 – 74 with the location of health services (Central North Shore sub-map)
- Concentration of seniors 75-84 with the location of health services (Central North Shore sub-map)
- Concentration of seniors 65 – 74 with the location of health services (East North Shore sub-map)
- Concentration of seniors 75-84 with the location of health services (East North Shore sub-map)

Previous study –

- Concentration of seniors 85+ with the location of health services (West North Shore sub-map)
- Concentration of seniors 85+ with the location of health services (Central North Shore sub-map)
- Concentration of seniors 85+ with the location of health services (East North Shore sub-map)

### **General Observations**

- The highest density population of seniors aged 65 – 74 in West North Shore live in the Caulfield and Panorama area. In addition to these areas, the second highest density of 65 – 74 year old seniors is found living along Marine Drive between Park Royal and Dundarave
- Compared to those 85 + fewer of these older seniors live in Caulfield. However, those aged 74 - 84 have the 'second' more concentrated population in Caulfield; most of these aged seniors are concentrated in the Lower Capilano and Norgate area



- Health Services in the West North Shore are concentrated along Marine Drive in Ambleside and Dundarave. For those seniors living in Caulfield, Panorama and in the area towards Horseshoe Bay, there is a heavy reliance on the Caulfield medical clinic. Other health services are concentrated in lower Ambleside and Dundarave
- In Central North Shore, the majority of 65 – 74 year old seniors live above the highway and in Lynn Valley. For those 75 – 84, seniors are somewhat scattered; primarily in the Lonsdale area and in Lynn Valley. In the same area, 85 + seniors live in a variety of areas connected to senior housing complexes and locations close to central Lonsdale where many health services are clustered.
- In the East North Shore there are limited health services. There is a Community Health Centre and Medical Clinic at Parkgate and a Medical Lab and X-ray services in Deep Cove
- In the East North Shore, the concentrations of 65 – 74 year old seniors live north of Mt. Seymour Parkway. The 85+ seniors, however, are concentrated in the Parkgate area (along with the 65 - 74 year olds) but also between Mt. Seymour Parkway and the Dollarton Highway in the Maplewood / Lynnmour area. The nearest health services to this area are in Parkgate.

## Context and Analysis

- In general, the younger seniors aged 65 – 74 are living in less populated areas; areas marked with single detached homes without amenities and health services
- In general, there is a pattern of the 75 – 84 year old seniors that appear to be moving away – to some degree – from single detached home areas towards commercial areas
- From the current mapping analysis, we are able to track some of the concentrations of where seniors live, and further, that from around the age of 74 and older, seniors move closer to commercial centres and into senior housing complexes. However, more research is required to determine (1) *where* the North Shore seniors move from and move to during their ‘early’ senior years into their ‘later’ senior years, and (2) *why* are the North Shore seniors moving during this time – is it health related? Financially related? Mobility related?
- Health related brochures, pamphlets and other informational tools which are accessible to all seniors (i.e. seniors who are new immigrants) is important in raising greater awareness about North Shore programs and services
- See the section in this report called *“Concentration of Persons and Families Age 65 and Older with Low Income Status”* concerning health issues relating directly to challenges around: nutrition, pharmaceutical drugs, mobility aids and preventative health practices

## Signposts for Consideration

- ‘Red Flag’ Questions
  - How do we support the younger seniors aged 65 – 74 who are managing new health issues?
  - Often, re-zoning for higher density housing proposals is met with opposition from the greater community, but as the North Shore senior populations grows, and seniors want to leave their single-detached homes, where will they move to? Will the seniors need to directly ‘complete’ with young families or single people for housing? How do these concerns connect with the idea of a healthy and inclusive North Shore community?

- If we know where the 65 – 74 year old seniors are living, how can we support them in a meaningful way and forecast optimum health options?

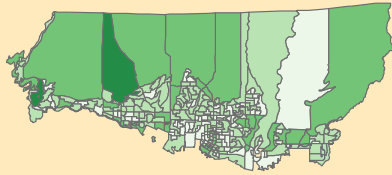
## **Maps**

See following pages.

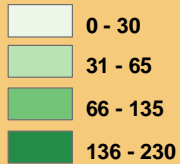
# Health Services (West North Shore, Burrard Inlet, BC)

Seniors in Communities Project, 2009

North Shore Seniors Coalition



Number of persons age  
65 to 74 within each DA<sup>e, c</sup>



<sup>e</sup>Dissemination Area (DA): small geographic area composed of one or more neighbouring blocks.

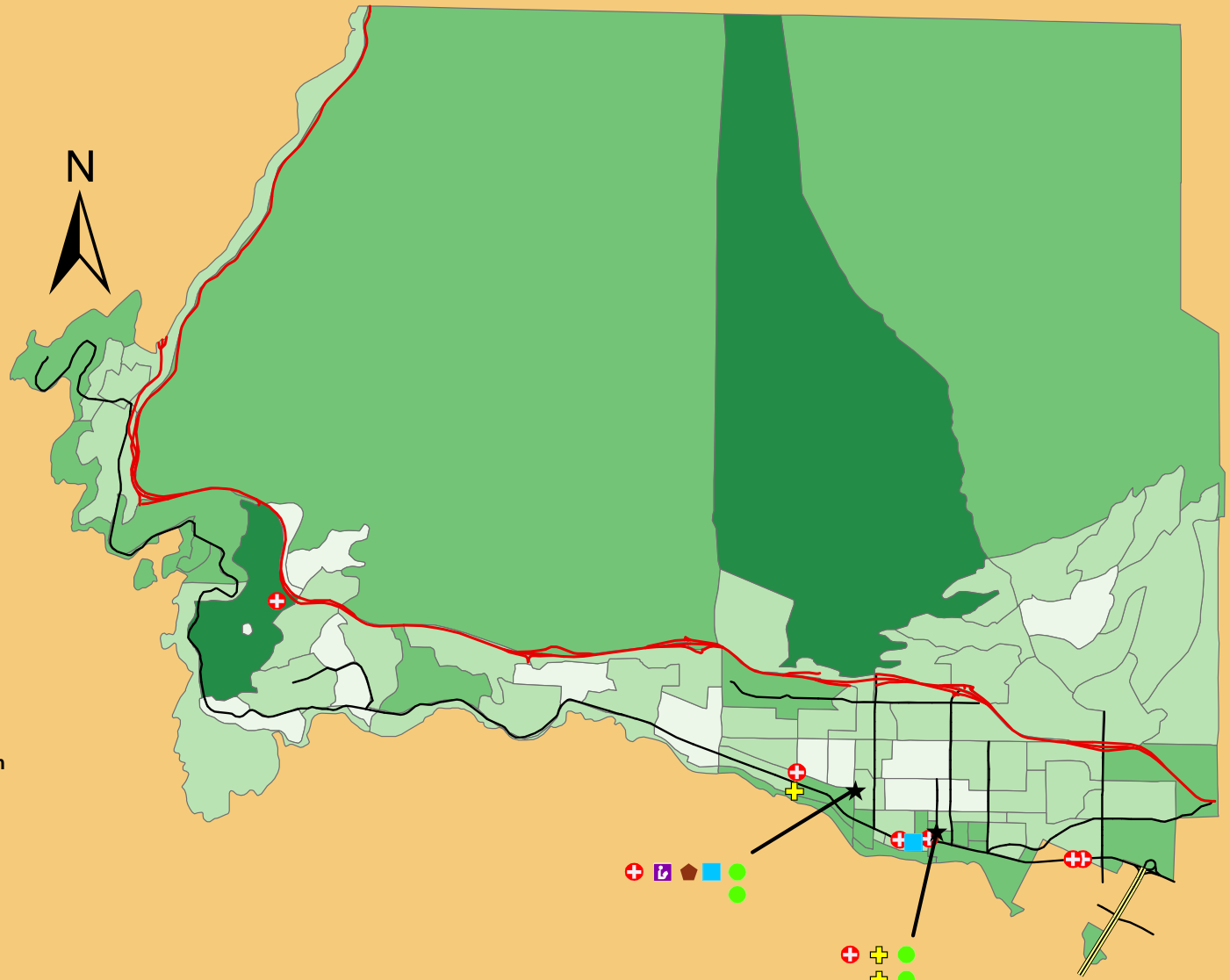
<sup>c</sup>Excluding Bowen Island and Lions Bay.

- Trans Canada Highway
- Major Street
- Bridge
- ★ Multi-Service Node
- + Medical Clinic
- + Medical Labs and X-Ray Services
- Medical Specialist
- + Community Health Centre
- + Adult Day Centre
- + Counselling, Support and Mental Health Program

\*Services not necessarily in the same building.



**Sources:** 2006 Census of Canada, Statistics Canada  
Vancouver Coastal Health Authority  
Neighbourhood boundaries provided by District of North Vancouver  
Streets data provided by District of North Vancouver  
Colour scheme selected from ColorBrewer  
Map prepared by North Shore Community Resources

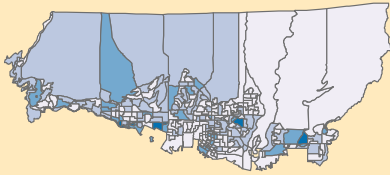


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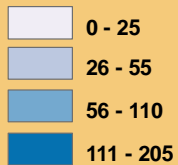
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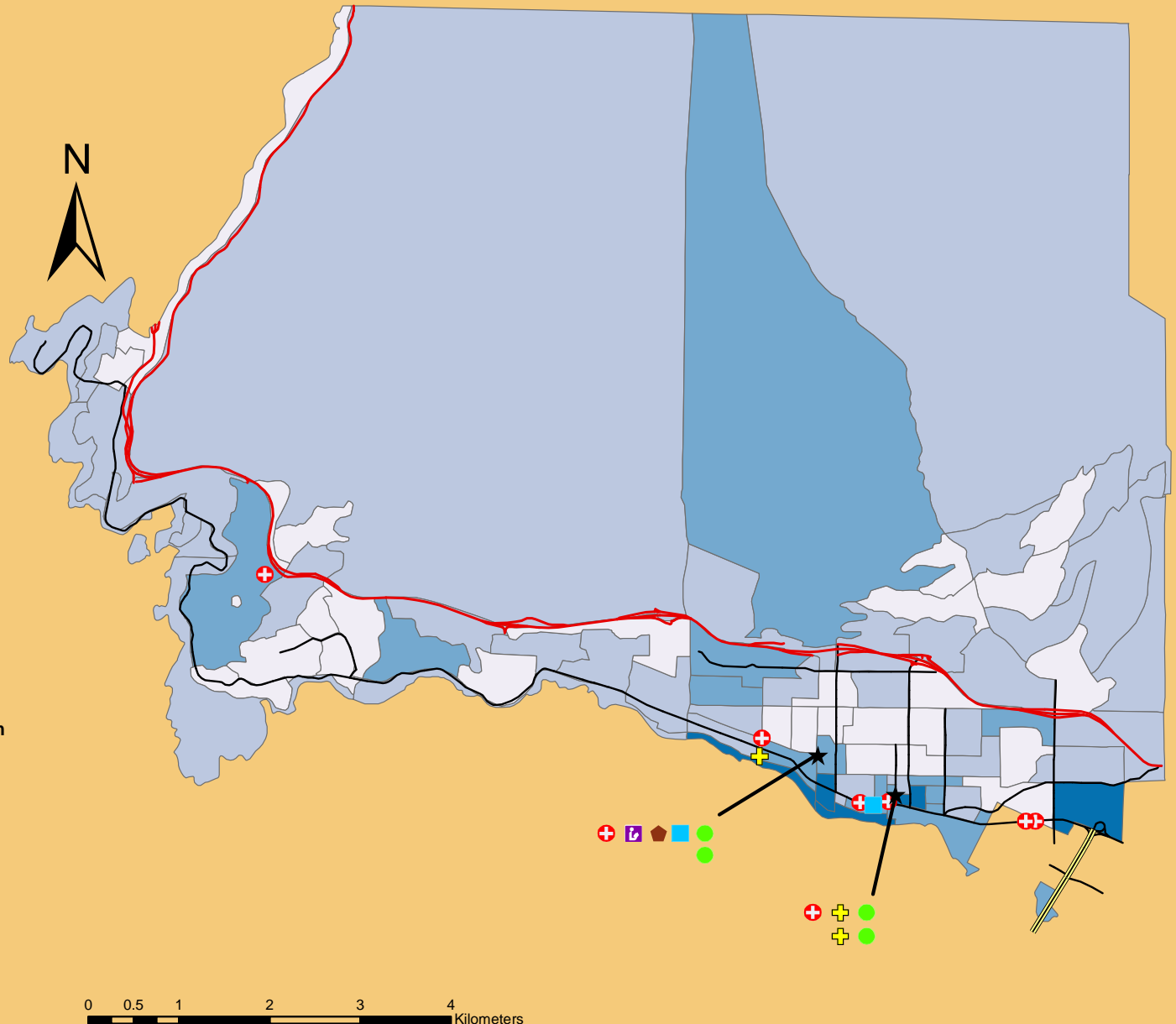
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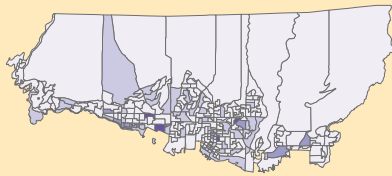


# Health Services

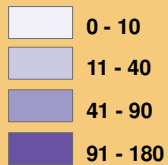
## (West North Shore, Burrard Inlet, BC)

Seniors in Communities Project, 2007-2008

North Shore Seniors Coalition



Number of persons age 85 and older within each DA<sup>e, c</sup>



<sup>e</sup>Dissemination Area (DA): small geographic area composed of one or more neighbouring blocks, with a population of 400 to 700 persons.

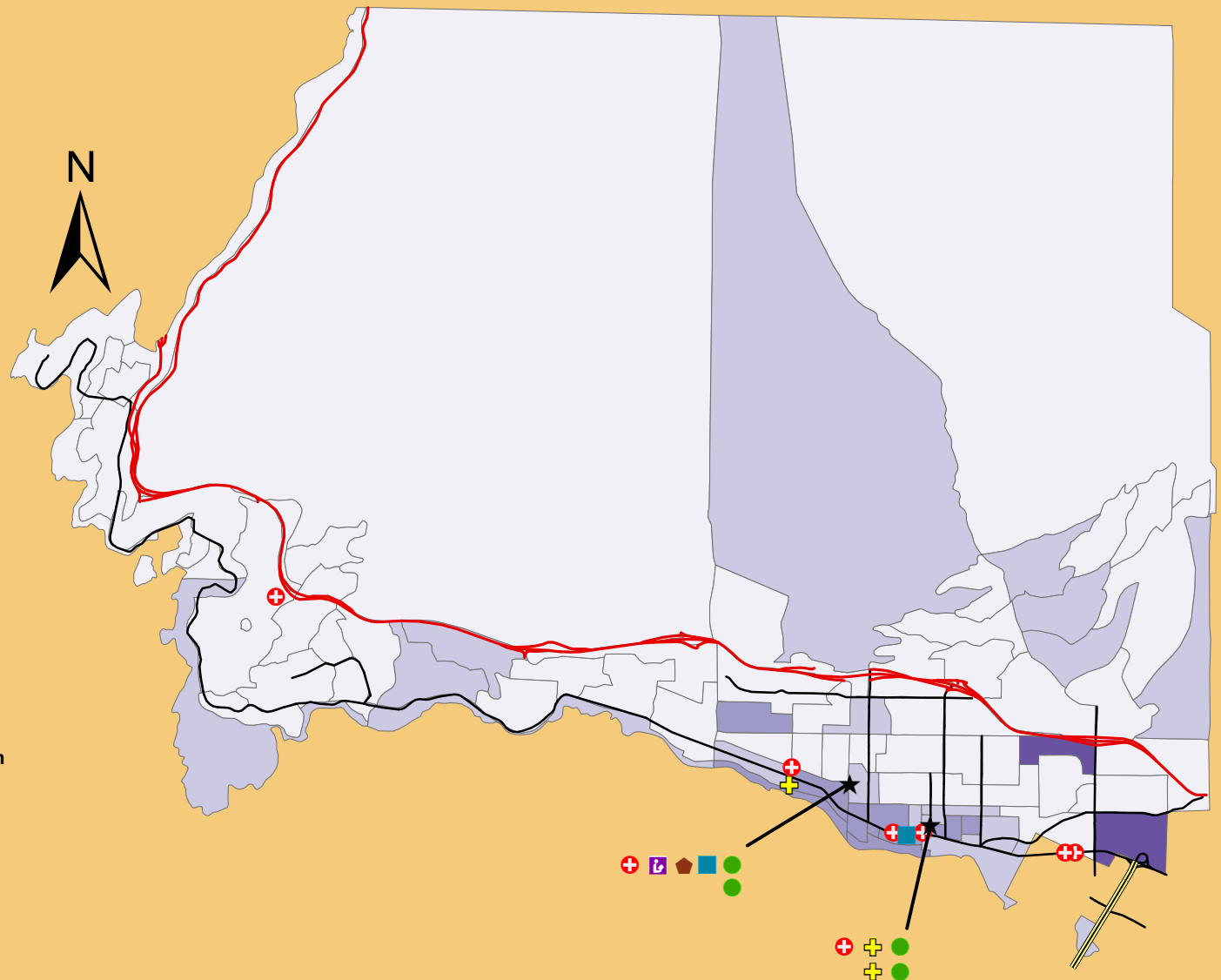
<sup>c</sup>Excluding Bowen Island and Lions Bay.

- TransCanada Highway
- Streets
- Lions Gate Bridge
- ★ Multi-Service Node
- + Medical Clinic
- + Medical Labs and X-Ray Services
- Medical Specialist
- + Community Health Centre
- + Adult Day Centre
- + Counselling, Support and Mental Health Program

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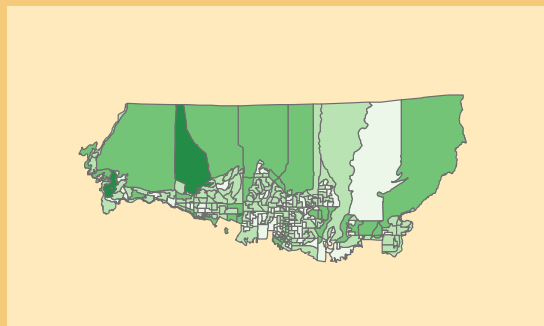
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# Health Services

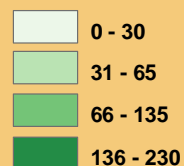
## (Central North Shore, Burrard Inlet, BC)

Seniors in Communities Project, 2009

North Shore Seniors Coalition



Number of persons age  
65 to 74 within each DA<sup>e, c</sup>

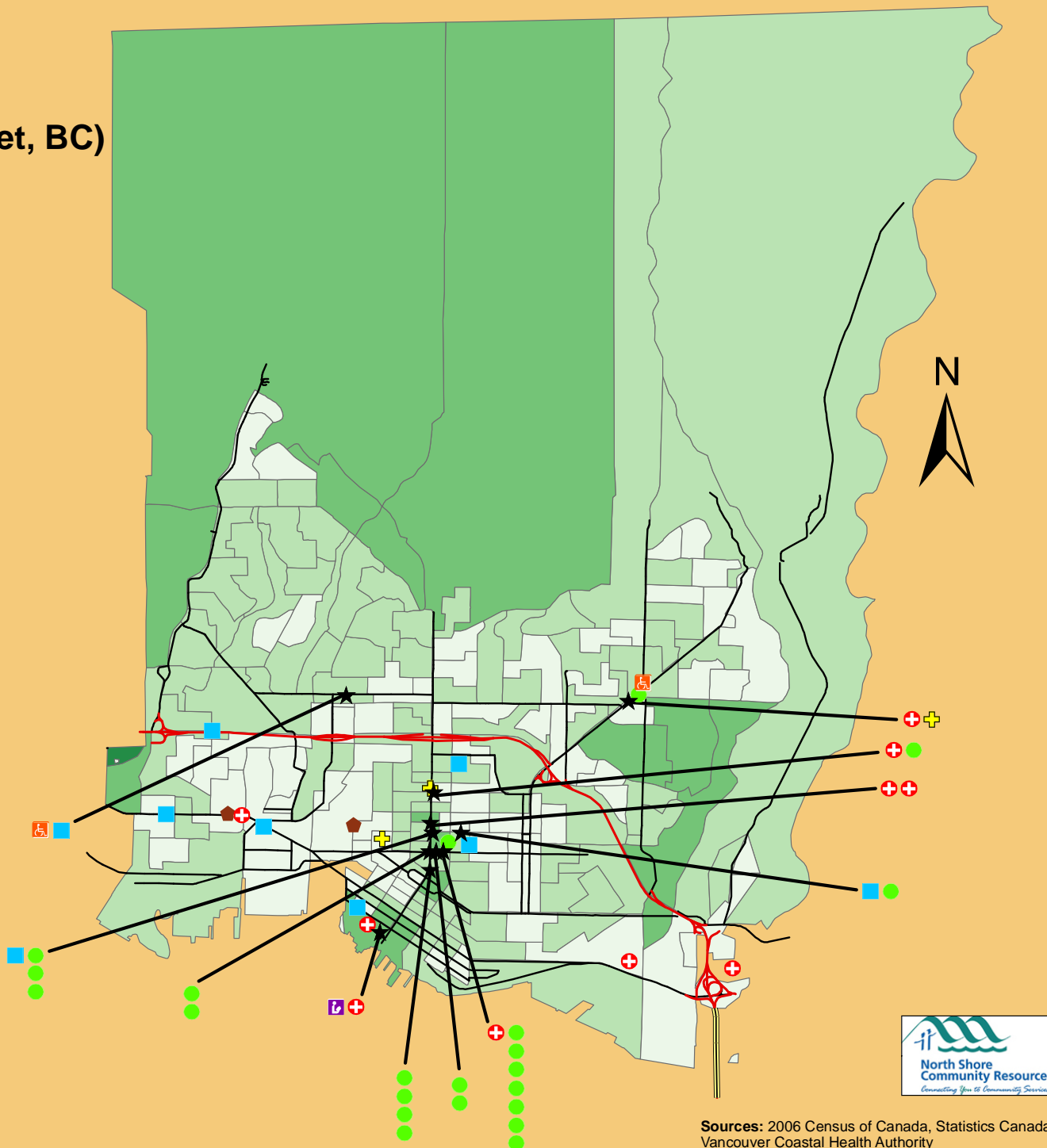


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- Bridge
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- ⊕ Medical Labs and X-Ray Services
- Medical Specialist
- Ⓛ Community Health Centre
- Ⓜ Adult Day Centre
- Ⓜ Counselling, Support and Mental Health Program
- Ⓜ Medical Equipment

\*Services not necessarily in the same building.



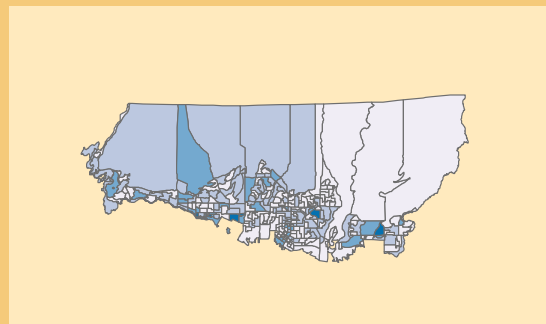
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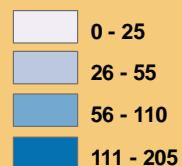
## (Central North Shore, Burrard Inlet, BC)

Seniors in Communities Project, 2009

North Shore Seniors Coalition



Number of persons age  
75 to 84 within each DA<sup>e, c</sup>

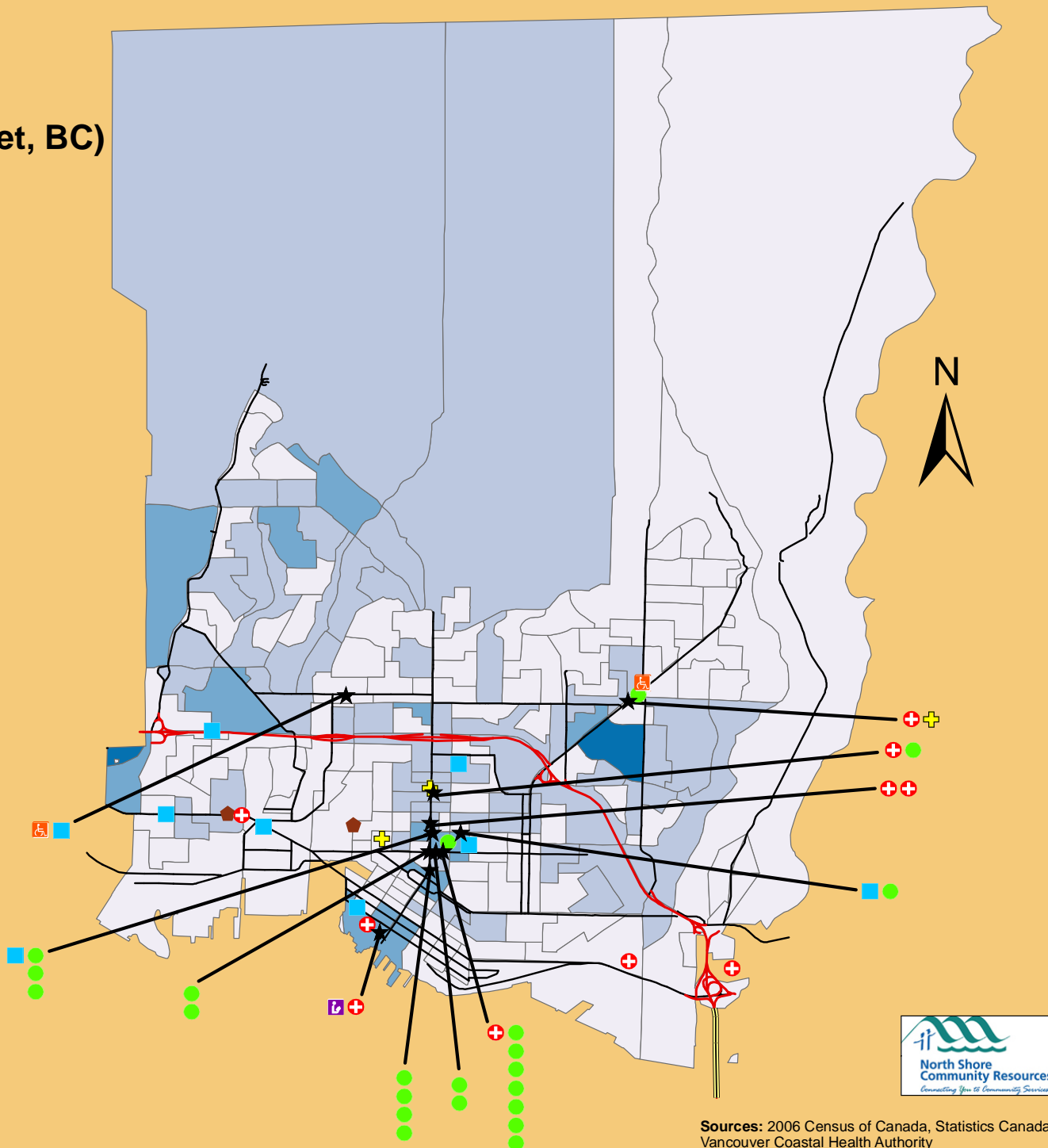


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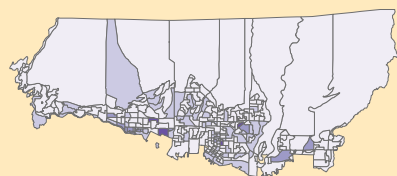
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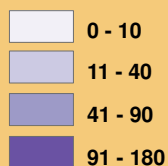
## (Central North Shore, Vancouver, BC)

Seniors in Communities Project, 2007-2008

North Shore Seniors Coalition



Number of persons age 85 and older within each DA<sup>e, c</sup>

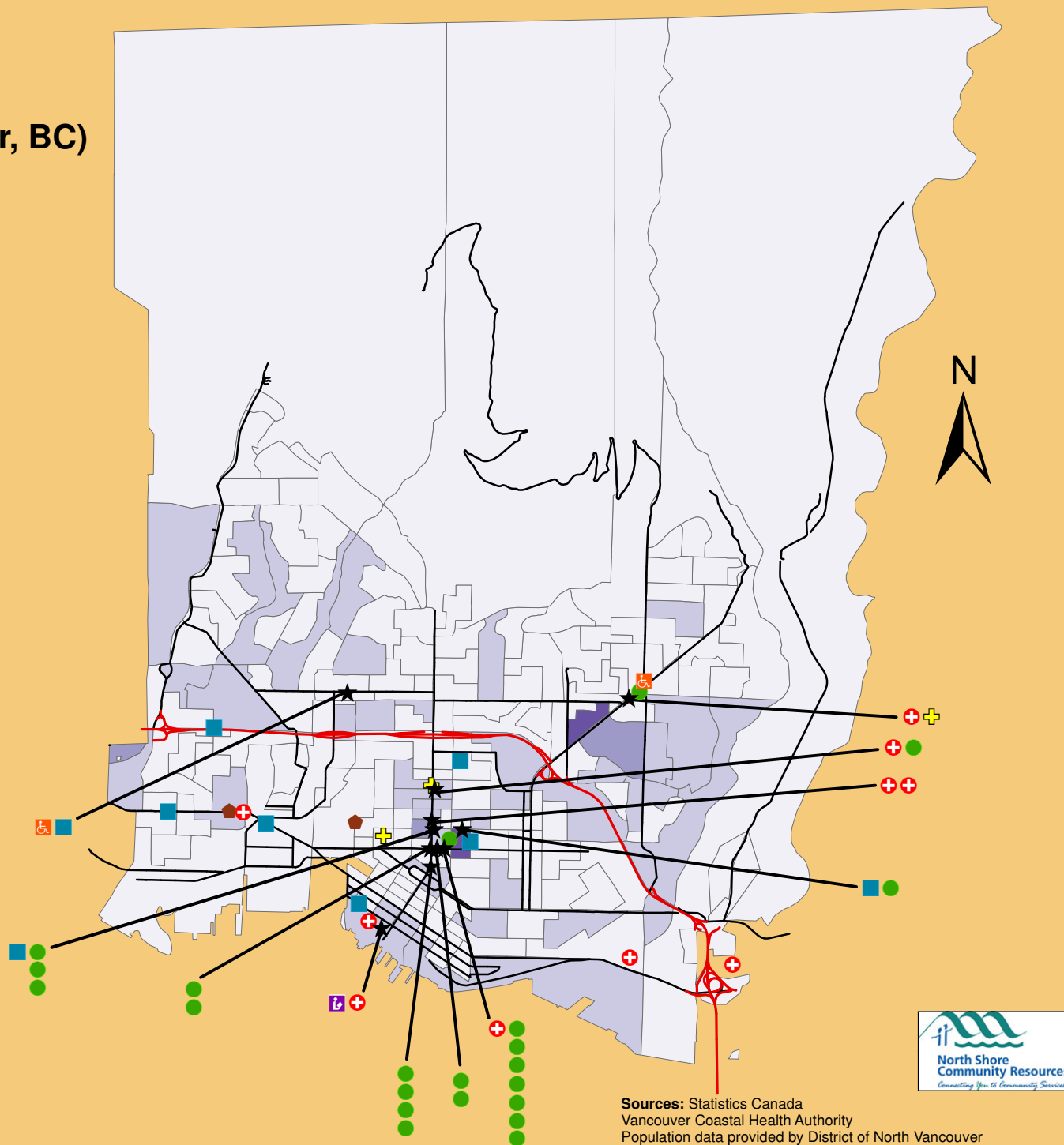


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- TransCanada Highway
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- Medical Specialist
- Ⓜ Community Health Centre
- Ⓜ Adult Day Centre
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- ♿ Medical Equipment

0 0.5 1 2 3 4 Kilometers



**Sources:** Statistics Canada  
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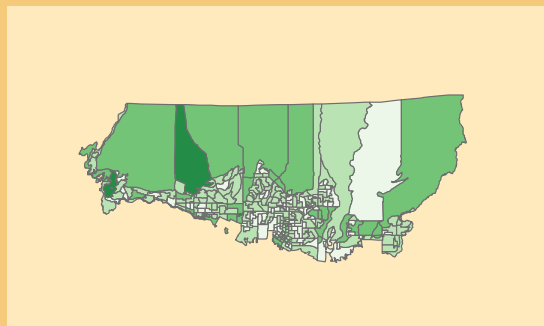


# Health Services

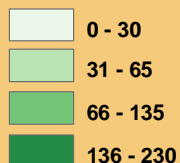
## (East North Shore, Burrard Inlet, BC)

Seniors in Communities Project, 2009

North Shore Seniors Coalition



Number of persons age  
65 to 74 within each DA<sup>e, c</sup>

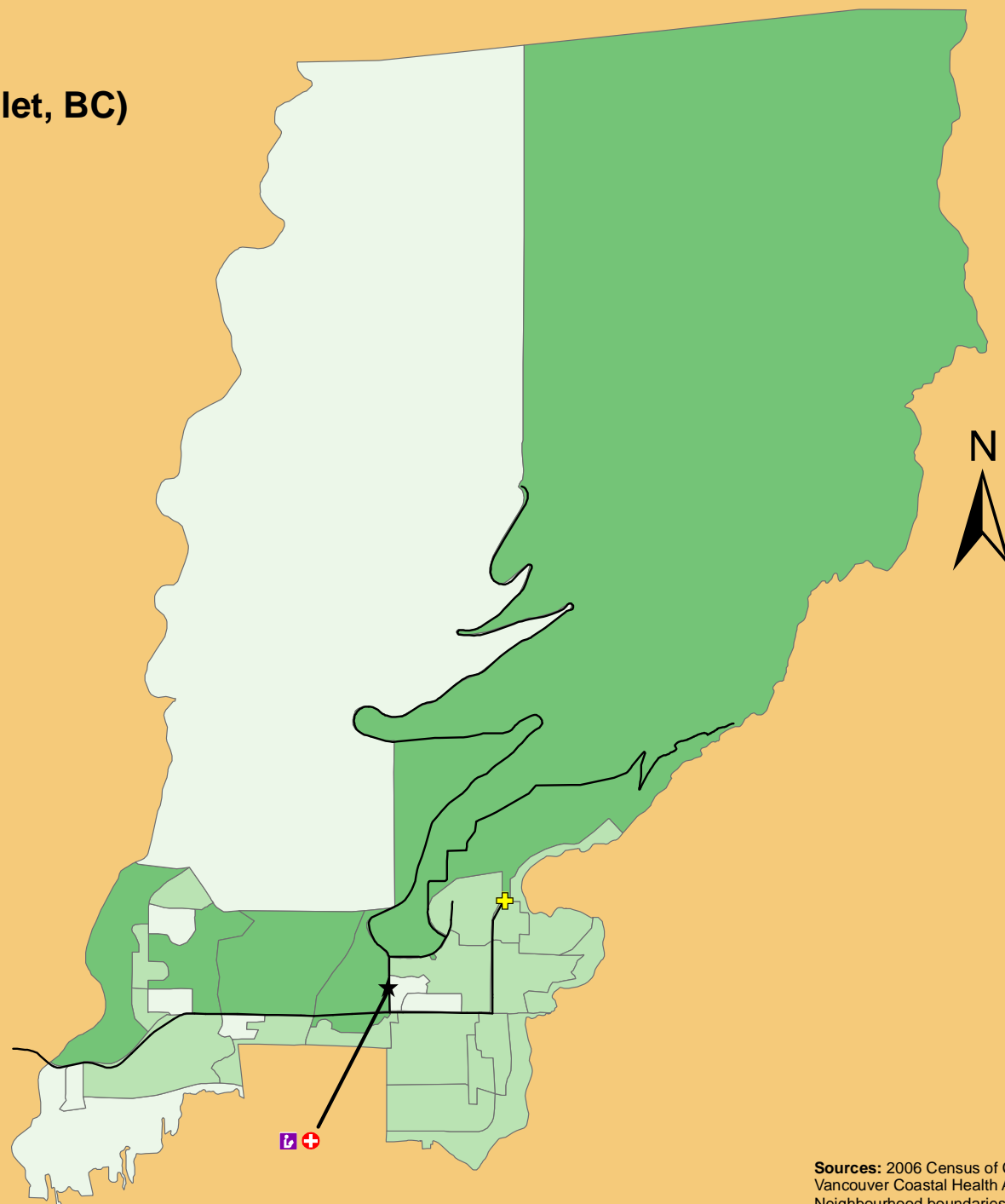


<sup>e</sup>Dissemination Area (DA): small geographic area composed of one or more neighbouring blocks.

<sup>c</sup>Excluding Bowen Island and Lions Bay.

- Major Street
- ★ Multi-Service Node\*
- ⛶ Medical Clinic
- ⛶ Medical Labs and X-Ray Services
- ⛶ Community Health Centre

\*Services not necessarily in the same building.



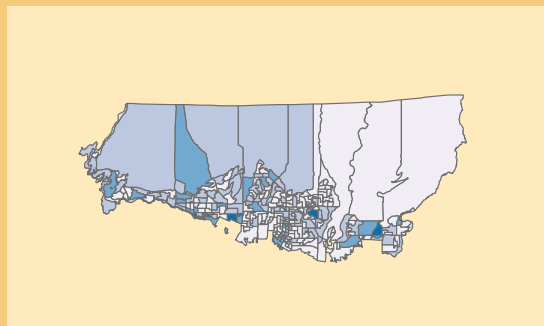
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Vancouver Coastal Health Authority  
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Colour scheme selected from ColorBrewer  
Map prepared by North Shore Community Resources

# Health Services

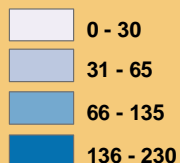
## (East North Shore, Burrard Inlet, BC)

Seniors in Communities Project, 2009

North Shore Seniors Coalition



Number of persons age  
75 to 84 within each DA<sup>e, c</sup>

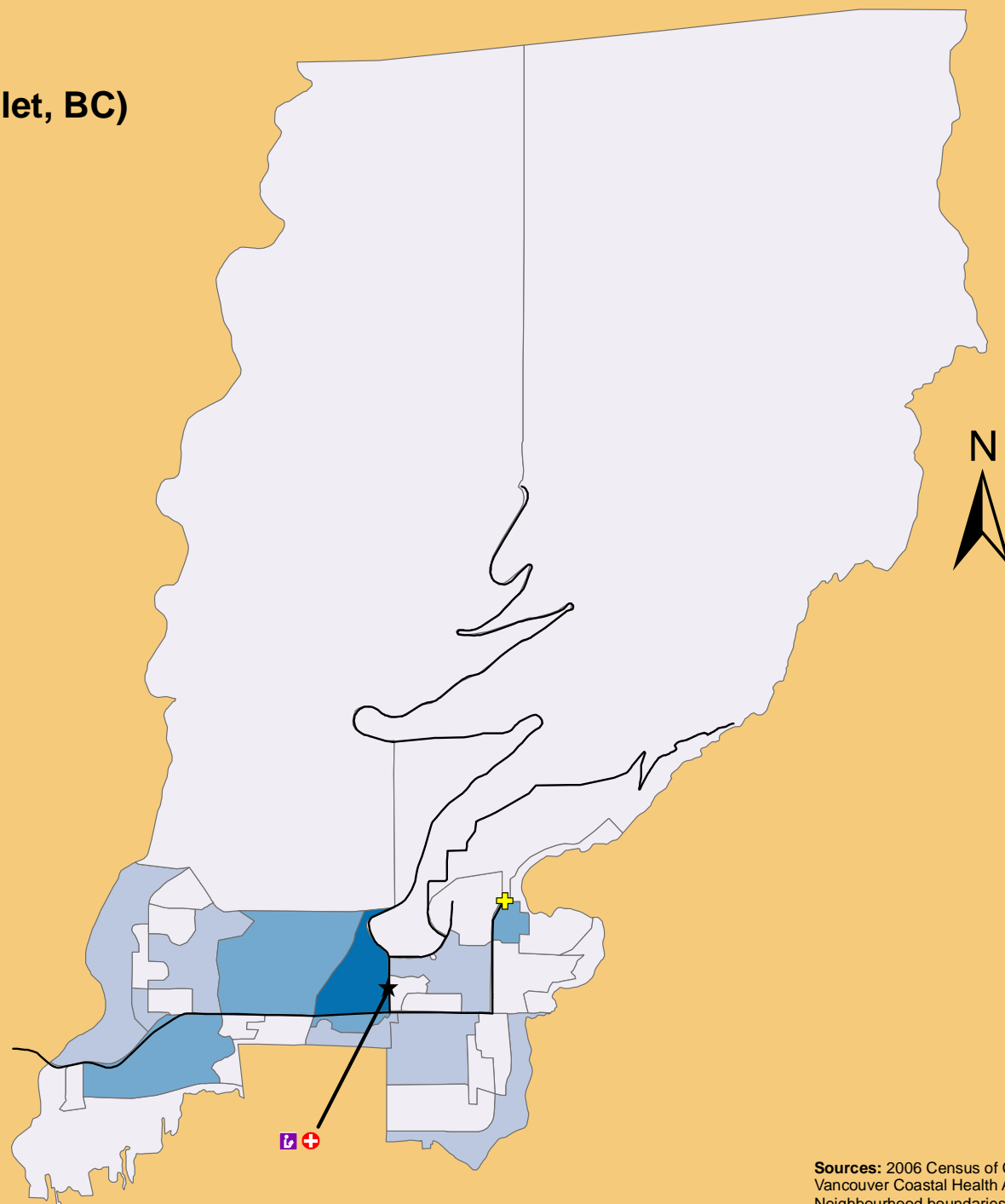


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- ⛶ Community Health Centre

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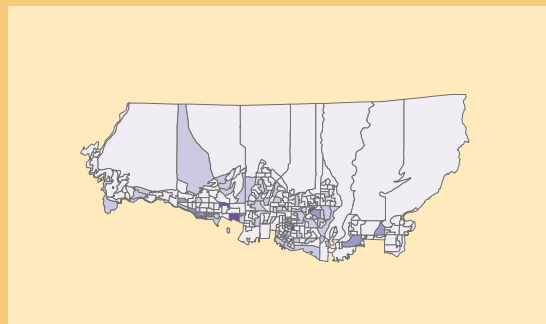
**Sources:** 2006 Census of Canada, Statistics Canada  
Vancouver Coastal Health Authority  
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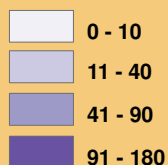
## (East North Shore, Vancouver, BC)

Seniors in Communities Project, 2007-2008

North Shore Seniors Coalition



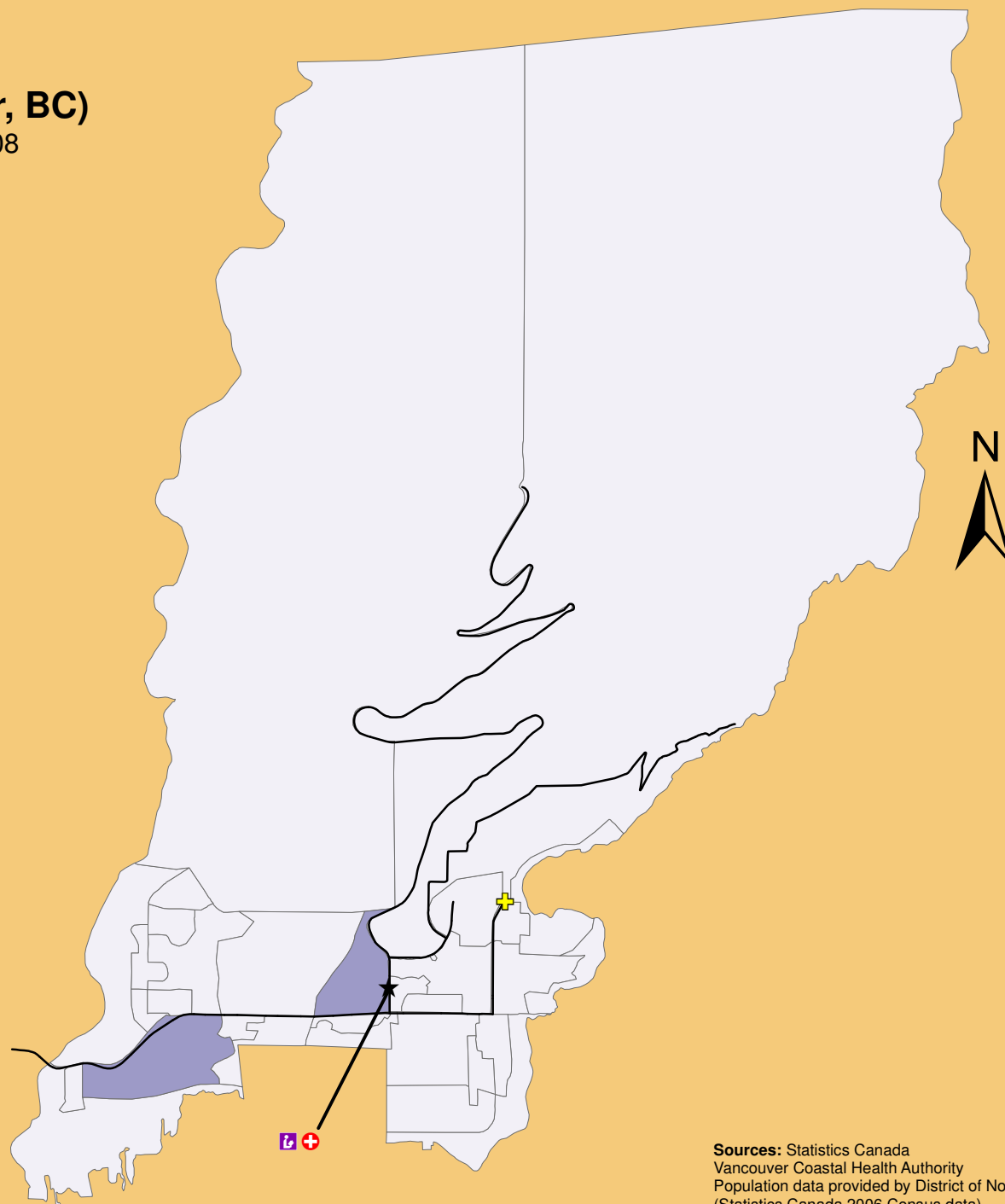
Number of persons age 85  
and older within each DA<sup>e, c</sup>



<sup>e</sup>Dissemination Area (DA): small geographic area composed of one or more neighbouring blocks, with a population of 400 to 700 persons.

<sup>c</sup>Excluding Bowen Island and Lions Bay.

- Streets
- ★ Multi-Service Node
- ⊕ Medical Clinic
- ⊕ Medical Labs and X-Ray Services
- ⊕ Community Health Centre



0 0.45 0.9 1.8 2.7 3.6 Kilometers



**Sources:** Statistics Canada  
Vancouver Coastal Health Authority  
Population data provided by District of North Vancouver  
(Statistics Canada 2006 Census data)  
Neighbourhood boundaries provided by District of North Vancouver  
Streets data provided by District of North Vancouver (BC TRIM data)  
Colour scheme selected from ColorBrewer  
Map prepared by North Shore Community Resources

## ***Analysis Category: Emergency Services***

### **Mapping Information**

The following emergency services data was mapped in current and previous study -

- Source: 2006 Census of Canada, Statistics Canada
- Bowen Island and Lions Bay, not included
- Emergency Services: Ambulance Services, Fire Hall, Hospital and Police

### **Maps Generated for Analysis**

The following maps were created (3 maps in total):

Current study -

- Concentration of seniors 65-74 with the location of emergency services
- Concentration of seniors 75-84 with the location of emergency services

Previous study –

- Concentration of seniors 85+ with the location of emergency services

### **General Observations**

- The most significant area of concentration for those aged 65 – 74 (136 – 230) seniors are not near any emergency services. For example, in West Vancouver, north of the highway in the Panorama area, there is a very high concentration of seniors of this age. All of them are a long distance away from the nearest Fire Hall, a long distance from the West Vancouver Police Station at 13<sup>th</sup> and Marine Drive and even further away from the nearest Hospital, Lions Gate Hospital in the City of North Vancouver.
- Comparison to the First Mapping Study of Emergency Services for 85 and older seniors: Seniors aged 85 + depicted in the First Mapping Study lived much closer to Emergency Services. Quite often, if they were living away from Emergency Services, it was due to living in Seniors Housing, which offered some level of medical support on site. Clearly, where 85 + seniors live and where 65 – 74 aged seniors live is markedly different. Further, the second concentration of 65 – 74 year old seniors on the North Shore continue to live in areas removed from Emergency Services, such as above the highway throughout all of the North Shore. This age group of 65 -74 seniors are also depicted as living in areas or neighbourhoods closer to commercial centres, just as the 85 + aged seniors are, but that is also consistent with general population demographics
- The 74 – 84 aged seniors on the North Shore have similar patterns to the 85 + seniors. Differences are: more 75 – 84 year old seniors live in the Horseshoe Bay area / West North Shore than their older cohorts. Also, a good number of aged 75 – 84 seniors live in the east

North Shore area, particularly east of Blueridge. With respect to Emergency Services, these areas are, in general, removed from most services with the exception of Fire Halls and one Ambulance Service

## Context and Analysis

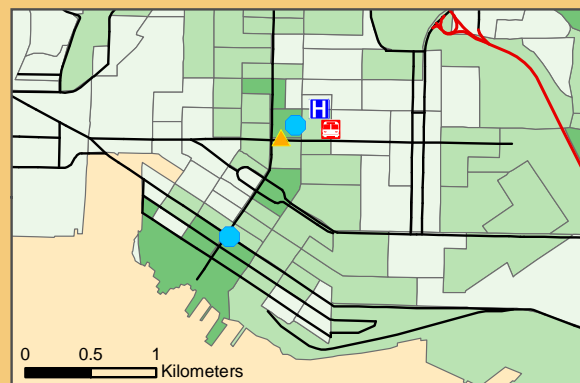
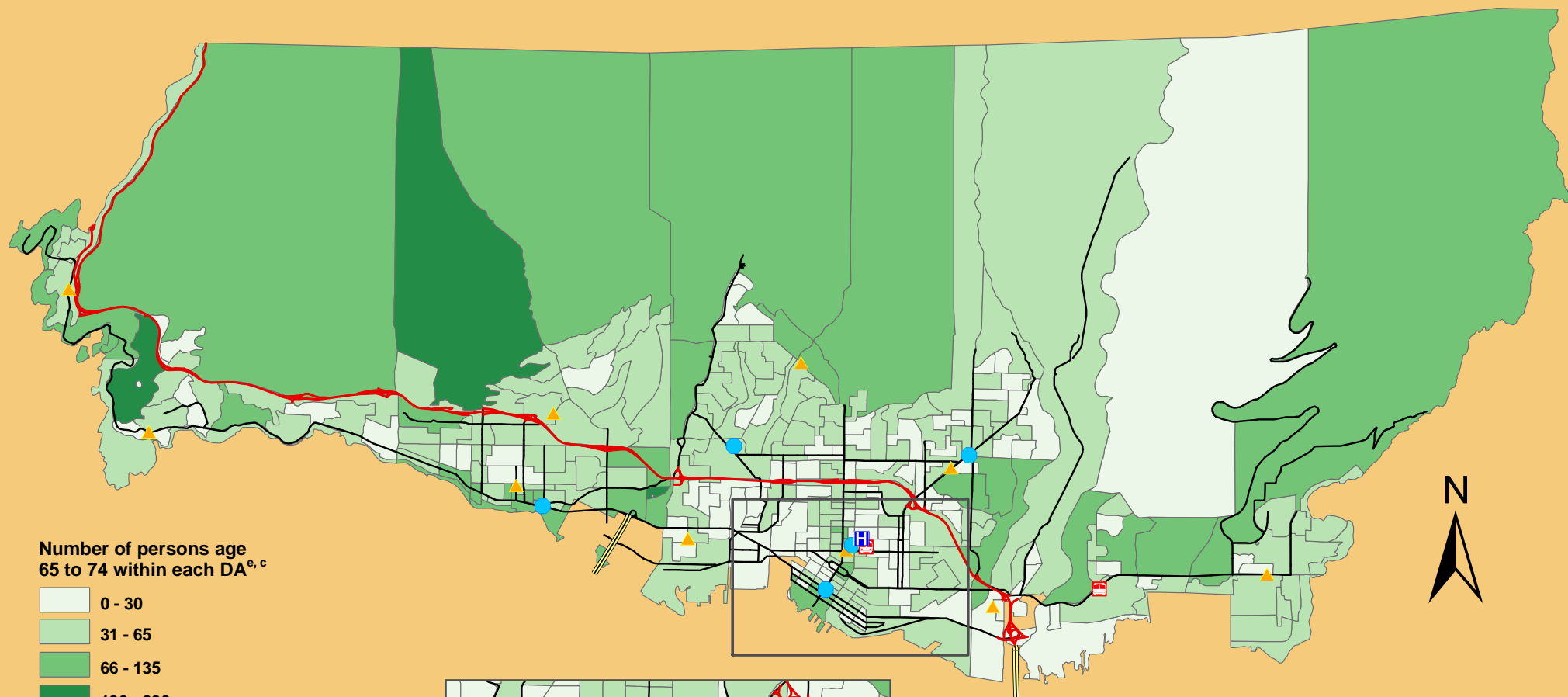
- Often, serious health problems emerge when a senior is younger, as in the 65 – 74 year range
- In this ‘younger’ senior demographic, an individual can move from having a healthy, vibrant status to managing a disease
- Disease management may be aggressive (stronger chemotherapy treatment may be offered for 65 – 74 year olds, but the oncology may not be as aggressive for those who are older / not as healthy)
- At a later senior age, as in 85 + years, medical care may be somewhat more established and possibly chronic in nature. The younger senior, as in the 65 – 74 year old, may be in a position of managing a new disease and learning about its symptoms and medical requirements. Further, he or she may be exposed to requiring critical care or emergency care. This learning curve may be coinciding while the 65 -74 year old is well removed, geographically, from health services.

## Signposts for Consideration

- The most significant area of concentration for those aged 65 – 74 (136 – 230) seniors are not near any emergency services.
- Clearly, where 85 + seniors live and where 65 – 74 aged seniors live is markedly different. Additional research is required to learn more about when and where younger seniors move to as they age on the North Shore, as this will inform the local health region, provincial health services and others on provisions of emergency services
- ‘Red Flag’ questions for consideration relating to Emergency Services and seniors on the North Shore:
  - When the seniors on the North Shore continue to age, where will they go and how will that impact emergency services?
  - If the bulk of the 65 -74 year old seniors are currently living away from Emergency Services and away from commercial areas, what medical supports do they require for aging in place?

## Maps

See following pages.



*City of North Vancouver*

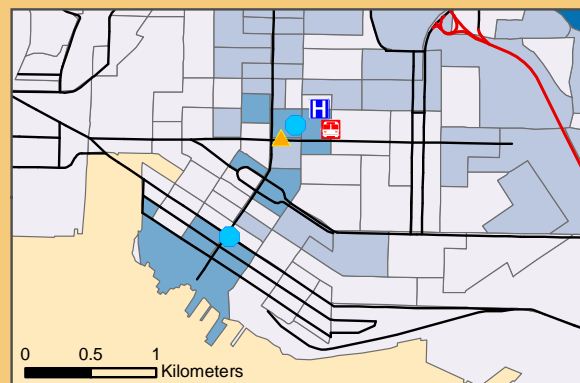
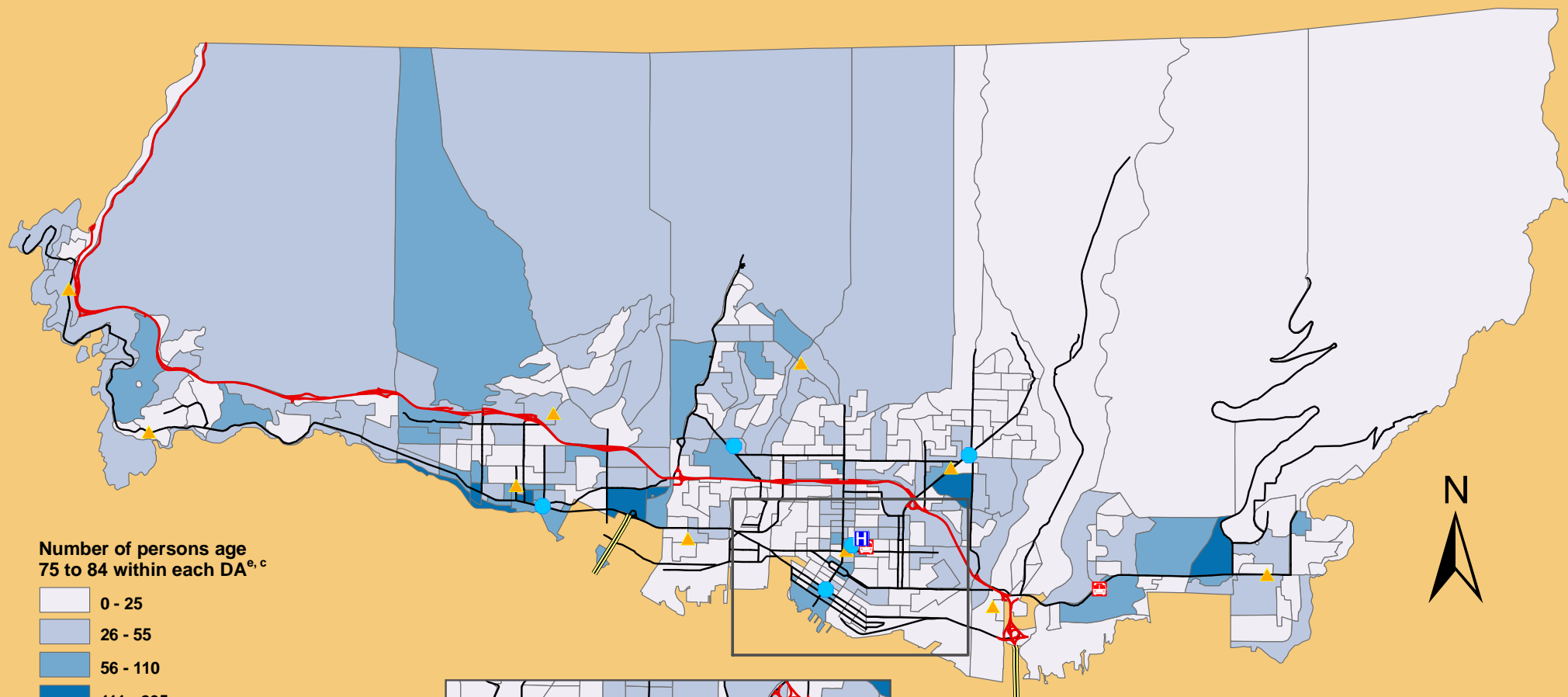
# Emergency Services (North Shore, Burrard Inlet, BC)

Seniors in Communities Project, 2009

North Shore Seniors Coalition



**Sources:** 2006 Census of Canada, Statistics Canada  
 The Green Book, North Shore Community Resources  
 Vancouver Coastal Health Authority  
 Neighbourhood boundaries provided by  
 District of North Vancouver  
 Streets data provided by District of North Vancouver  
 Colour scheme selected from ColorBrewer  
 Map prepared by North Shore Community Resources



*City of North Vancouver*

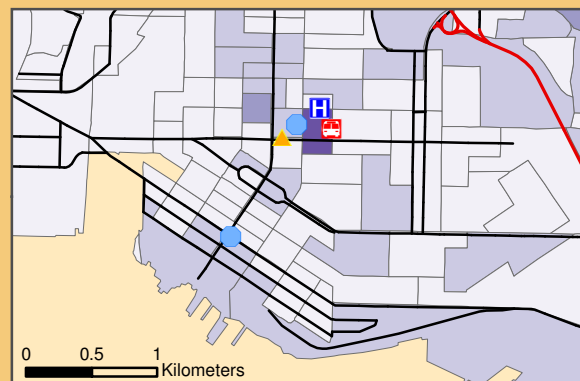
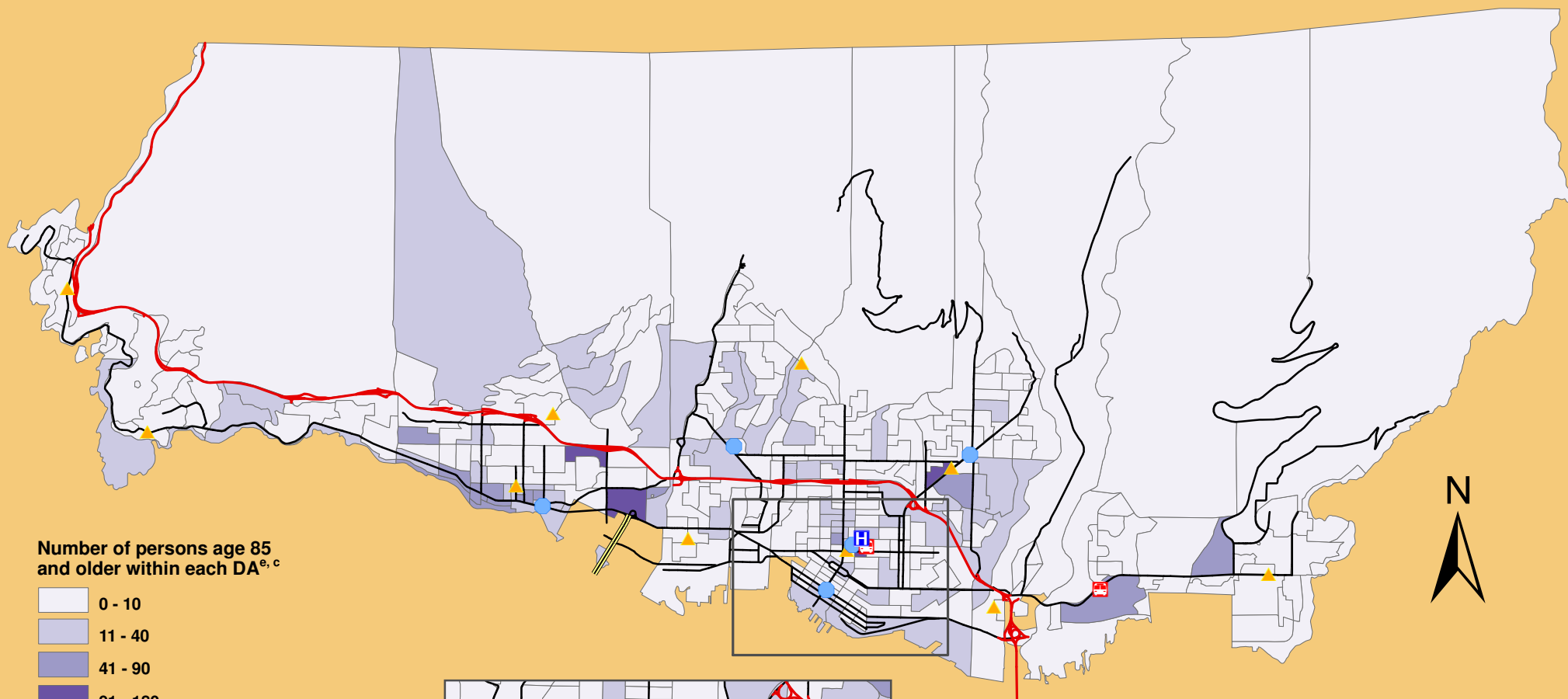
# Emergency Services (North Shore, Burrard Inlet, BC)

Seniors in Communities Project, 2009

North Shore Seniors Coalition



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 Neighbourhood boundaries provided by  
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 Colour scheme selected from ColorBrewer  
 Map prepared by North Shore Community Resources



*City of North Vancouver*

# Emergency Services

## (North Shore, Vancouver, BC)

Seniors in Communities Project, 2007-2008

North Shore Seniors Coalition



**Sources:** Statistics Canada  
 The Green Book, North Shore Community Resource  
 Vancouver Coastal Health Authority  
 Population data provided by District of North Vancouver  
 (Statistics Canada 2006 Census data)  
 Neighbourhood boundaries provided by District of North Vancouver  
 Streets data provided by District of North Vancouver (BC TRIM data)  
 Colour scheme selected from ColorBrewer  
 Map prepared by North Shore Community Resources





## ***Analysis Category: Demographics and Location***

### **Mapping Information**

The following demographic information was mapped:

- Seniors 65 - 74 living on the North Shore (2006 census data)
- Seniors 75 - 84 living on the North Shore (2006 census data)
- Males and females age 85+ living on the North Shore (2006 census data)
- Population density for seniors 85+ are shown in dissemination areas (DAs) which are specific areas (typically smaller than the neighbourhood division that are commonly used)
- DAs are shaded, with areas with a higher density of seniors 85+ living there receiving a darker shade
- Neighbourhood boundaries and street data (provided by Statistics Canada)

### **Maps Generated for Analysis**

The following maps were created (5 maps in total):

Current study –

- Concentration of seniors 65 - 74 on the North Shore
- Concentration of seniors 75 - 84 on the North Shore

Previous study -

- Concentrations of seniors 85+ on the North Shore
- Concentrations of women 85+ on the North Shore
- Concentrations of men 85+ on the North Shore

### **General Observations**

- No comparisons can be made between male and female seniors for the three age categories, as maps based on gender were only produced for 85+ seniors.
- The number and concentrations of seniors decline the older the age category is (which is expected given the normal demographic curve of the population in general).
- The neighbourhoods/areas with significant populations of seniors in all three age categories are:
  - Norgate/Ambleside
  - Dundarave
  - British Properties
  - Westlynn
  - Lower Lonsdale
  - Blueridge

- For seniors 85+, regions of high concentration are in Norgate/Ambleside and a small portion of Central Lonsdale (between 91 – 180 seniors)
- For seniors 75 to 84, regions of high concentration are in Dundarave, Norgate/Ambleside, Westlynn, Lynnmour, and Parkgate (between 111 – 205 seniors)
- For seniors 65 to 74, regions of high concentration are in British Properties and a portion of Norgate/Ambleside (between 136 – 230 seniors). There are significant areas that have 66 – 135 seniors in this age range as well all across the North Shore.

## **Context and Analysis**

- Although insignificant numbers of seniors 85+ are found in more remote areas, such as Lions Bay or Bower Island, there are significant concentrations of seniors age 65 to 74 (as high as 66 – 135 seniors) and age 75 to 84 (as high as 26-55). Over the coming years, these populations will be aging and need for programs and services will likely increase.
- Seniors 65 to 74 are represented with some significance in most areas of the North Shore, but seniors 75 to 84 are concentrated in more significant numbers in more specific areas – particularly Dundarave, Norgate/Ambleside, Westlynn, and Parkgate. Also, seniors 75 to 84 are generally in the western part of the North Shore and also along the highway. These observations potentially illustrate that as seniors age; they begin to move into more connected areas and better serviced/connected neighbourhoods. Because the maps are static in nature (taking a snapshot in time), confirming movement is not possible. It can only be inferred. Conversely, the trend observed by the map may simply be illustrating trends that are triggered by mortality and other uncontrollable circumstances.

## **Signposts for Consideration**

- Although seniors 65 to 74 are living all across the North Shore, there are three significant neighbourhoods of note: British Properties, Norgate, and Woodcroft
- Although the maps for 75 to 84 show more concentration of seniors in specific neighbourhoods/areas (while the maps for seniors 65 to 74 are almost all over the North Shore), it is hard to tell whether this concentration is actual movement of seniors as they age, is mortality-rate related, or other effects. More understanding of what the trend is as seniors age on the North Shore is needed.
- There are fairly significant concentrations of seniors 65 to 74 living in Lions Bay and on Bowen Island. This is significant because these areas are more isolated with fewer services. As the seniors living in this area continue to age, additional pressures to provide vital services will be added to the care system on the North Shore or conversely pressure to move or relocate will rise.

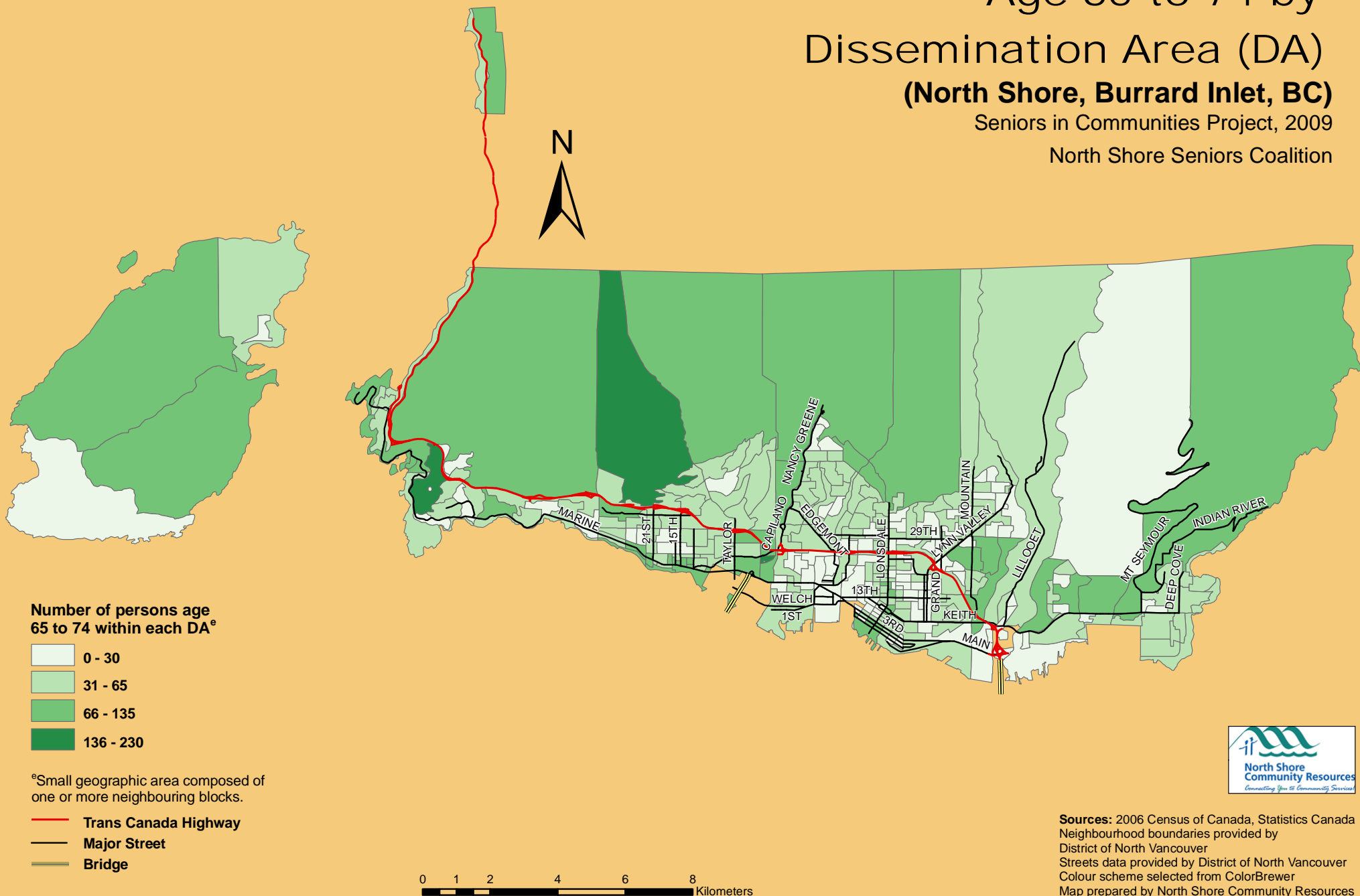
## **Maps**

See following pages.

# Concentration of Persons Age 65 to 74 by Dissemination Area (DA) (North Shore, Burrard Inlet, BC)

Seniors in Communities Project, 2009

North Shore Seniors Coalition

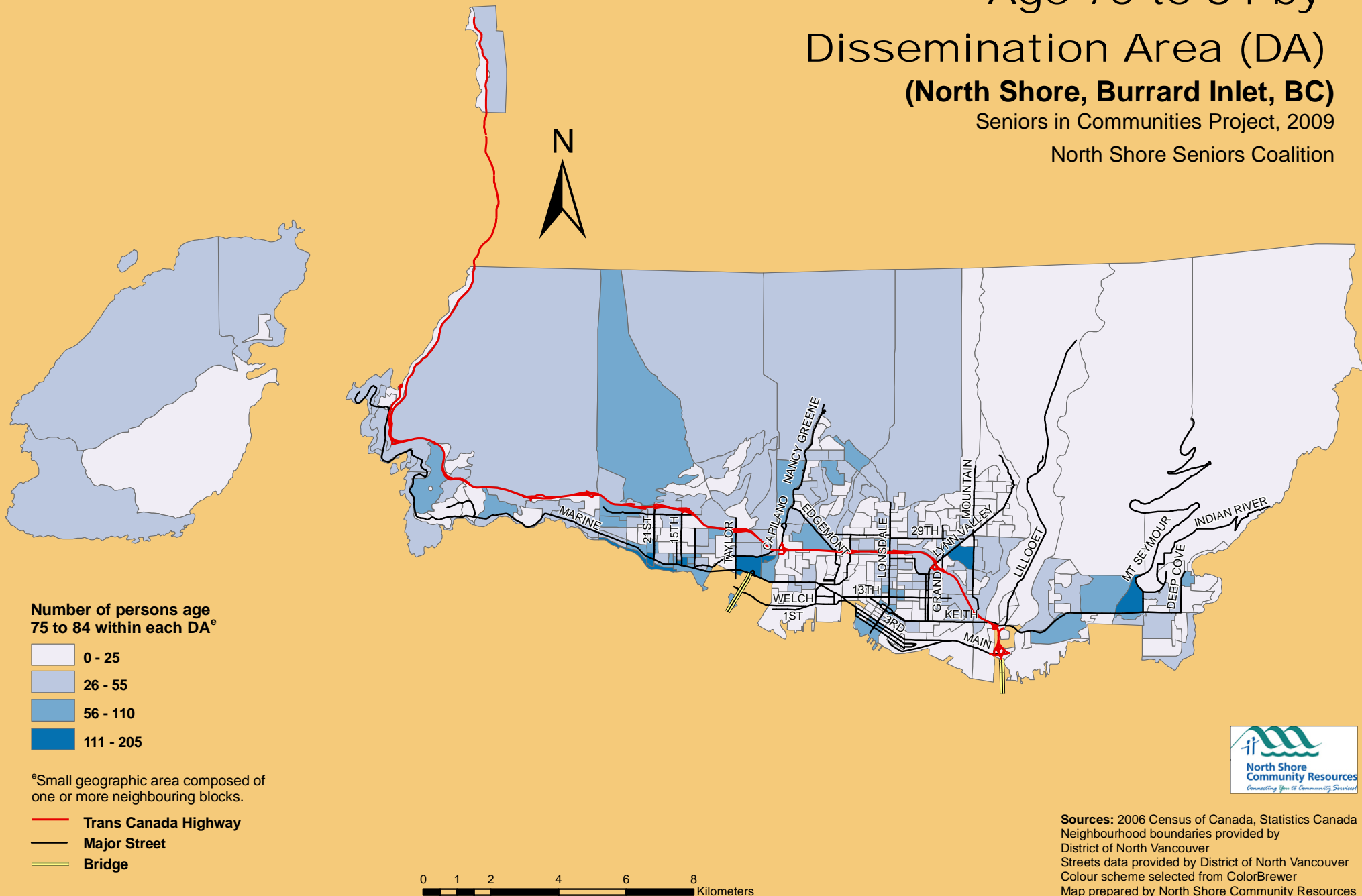


**Sources:** 2006 Census of Canada, Statistics Canada  
 Neighbourhood boundaries provided by  
 District of North Vancouver  
 Streets data provided by District of North Vancouver  
 Colour scheme selected from ColorBrewer  
 Map prepared by North Shore Community Resources

# Concentration of Persons Age 75 to 84 by Dissemination Area (DA) (North Shore, Burrard Inlet, BC)

Seniors in Communities Project, 2009

North Shore Seniors Coalition



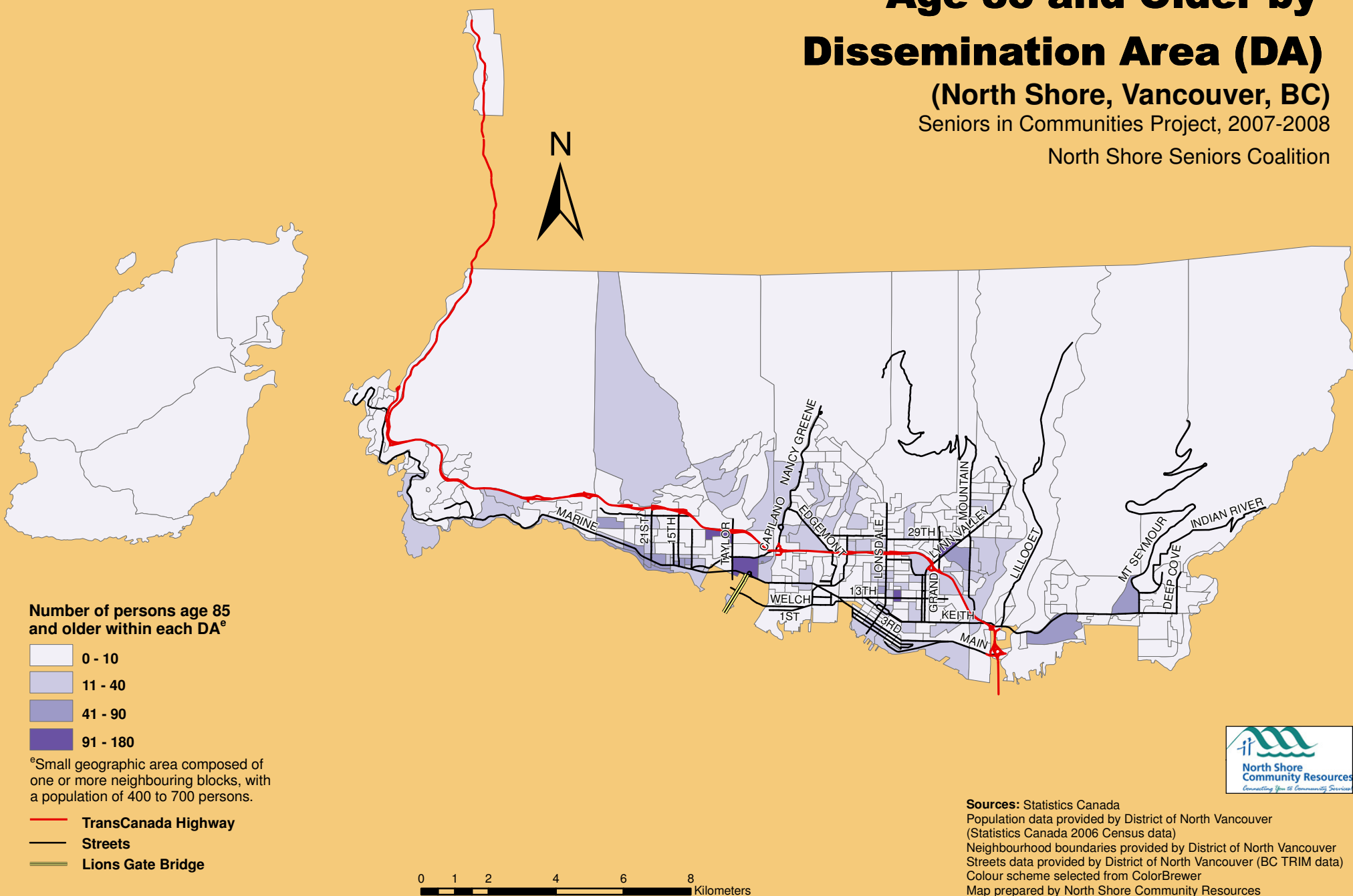
**Sources:** 2006 Census of Canada, Statistics Canada  
Neighbourhood boundaries provided by  
District of North Vancouver  
Streets data provided by District of North Vancouver  
Colour scheme selected from ColorBrewer  
Map prepared by North Shore Community Resources

# Concentration of Persons Age 85 and Older by Dissemination Area (DA)

(North Shore, Vancouver, BC)

Seniors in Communities Project, 2007-2008

North Shore Seniors Coalition



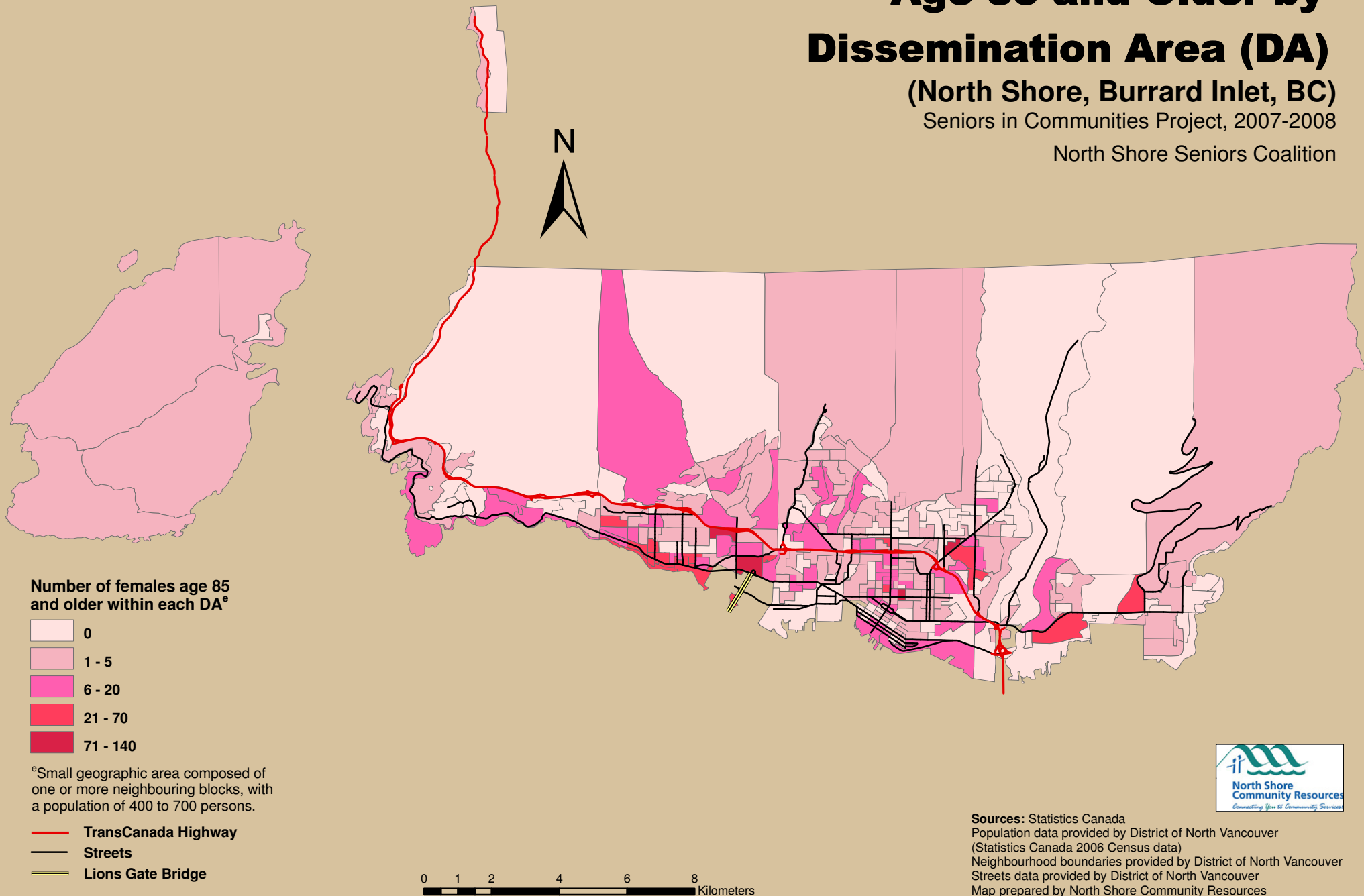
**Sources:** Statistics Canada  
Population data provided by District of North Vancouver (Statistics Canada 2006 Census data)  
Neighbourhood boundaries provided by District of North Vancouver  
Streets data provided by District of North Vancouver (BC TRIM data)  
Colour scheme selected from ColorBrewer  
Map prepared by North Shore Community Resources

# Concentration of Females Age 85 and Older by Dissemination Area (DA)

(North Shore, Burrard Inlet, BC)

Seniors in Communities Project, 2007-2008

North Shore Seniors Coalition

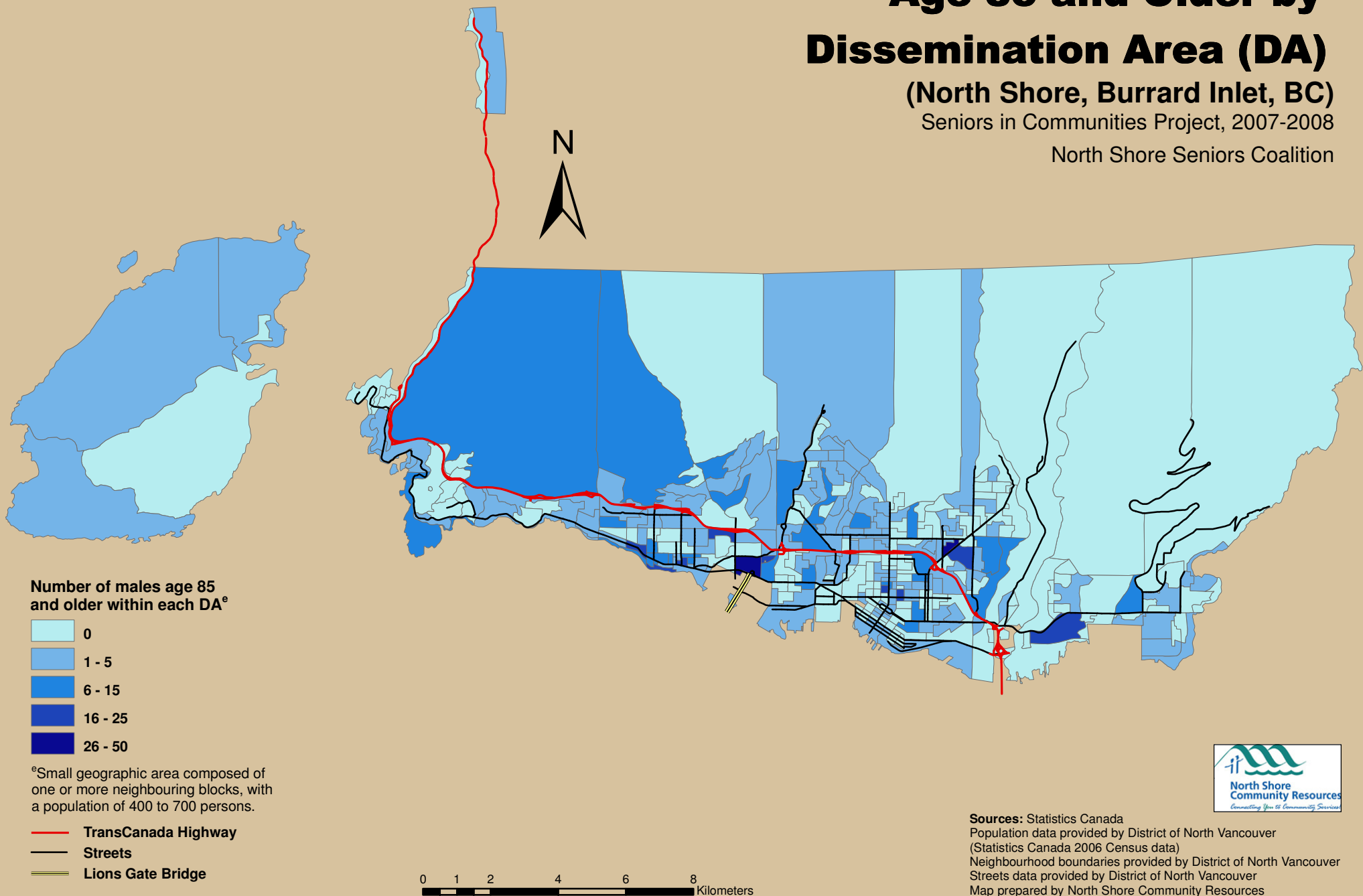


# Concentration of Males Age 85 and Older by Dissemination Area (DA)

(North Shore, Burrard Inlet, BC)

Seniors in Communities Project, 2007-2008

North Shore Seniors Coalition





## ***Analysis Category: Housing***

### **Mapping Information**

The following housing types were mapped:

- Public and private care facilities;
- Public and private assisted living facilities;
- Facilities where seniors can purchase their units;
- Subsidized housing for seniors; and
- Supportive housing for seniors.

### **Maps Generated for Analysis**

The following maps were created (9 maps in total)

Current study-

- Concentration of seniors 65-74 with the location of housing facilities (West North Shore sub-map)
- Concentration of seniors 65-74 with the location of housing facilities (Central North Shore sub-map)
- Concentration of seniors 65-74 with the location of housing facilities (East North Shore sub-map)
- Concentration of seniors 75-84 with the location of housing facilities (West North Shore sub-map)
- Concentration of seniors 75-84 with the location of housing facilities (Central North Shore sub-map)
- Concentration of seniors 75-84 with the location of housing facilities (East North Shore sub-map)

Previous study –

- Concentration of seniors 85+ with the location of housing facilities (West North Shore sub-map)
- Concentration of seniors 85+ with the location of housing facilities (Central North Shore sub-map)
- Concentration of seniors 85+ with the location of housing facilities (East North Shore sub-map)

### **General Observations**

- All housing options are located south of the Trans Canada Highway, where the majority of the North Shore population resides;
- There are 10 specific locations on the North Shore (five in West Vancouver and five in the City of North Vancouver) where there are multiple housing options (MHO); and

- Specifically, MHO areas are found in Dundarave, Ambleside, Delbrook, Lower and Central Lonsdale, as well as Lynn Valley West and Westlynn.
- For seniors 65 to 74:
  - In West North Shore, there are multiple housing options in the neighbourhoods by the highway that do have large concentrations of seniors in this age group, although large areas with significant concentration of seniors are not serviced, particularly Caulfield and the British Properties (between 136 – 230 seniors), but also on Bowen Island, in Horseshoe Bay, and Canyon Heights (areas with between 66 – 135 seniors)
  - In Central North Shore, seniors' populations are serviced, although areas where there are concentrations of seniors (between 136-230 seniors in a number of areas) above the highway are not well served.
  - In East North Shore, the housing options are in Parkgate and in Lynnmour, although the population of seniors in Deep Cove have no options close by (between 31 – 65 seniors).
- For seniors 75 to 84:
  - In West North Shore, areas of highest concentration of seniors have multiple housing options. Areas such as Caulfield and the British Properties are not serviced by targeted seniors housing options, although there are somewhat significant populations of seniors (between 56 – 110 seniors).
  - In Central North Shore, seniors' populations have senior housing options, although areas where there are concentrations of seniors above the highway are not well served.
  - In East North Shore, the housing options are in Parkgate and in Lynnmour, although some concentration of seniors are found in Dollarton (between 26 – 55 seniors), which is without housing options.
- For seniors 85+:
  - All Dissemination Areas (reminder: smaller than neighbourhoods) with the highest density of seniors 85 years and older (including parts of Ambleside-British Properties, Central Lonsdale, and Lynn Valley West) have seniors housing options nearby or in the area.

## Context and Analysis

- All of the housing options for seniors are below or around the highway, while significant population of younger seniors are not living in these areas. As seniors age and are no longer able to live in their homes, there are a lack of housing options in the neighbourhoods and areas in which they live. Without options (either care facilities, assisted living buildings, etc.), seniors may be forced to be displaced from their communities.
- For younger seniors (age 65 to 84), many are living in significant numbers in isolated/remote areas or areas that are not densely populated in general (zoned for single detached housing). Aside from the lack of senior specific housing, there is also a lack of housing options that promote and generate more community feel. As seniors age, the tendency to become more isolated as mobility decreases is very high and having housing options like apartments and

condominiums in neighbourhoods zoned primarily for single detached homes would help combat isolation and encourage seniors to age in place. British Properties and other areas above the highway are examples.

- As seniors age (from 75 to 84 and 85+), the issue becomes more about competing for available appropriate housing. Apart from competing for the seniors housing options that currently exist below and around the highway, competing for other appropriate housing (apartments, condominiums, townhouses) that are also the same housing supply for younger residents of the North Shore just starting out in the housing market creates a pressure for adequate supply for both of these significant populations.

### **Signposts for Consideration**

- All of the above context and analysis points, as well as the observations that inform these points make up the signposts for consideration.
- The potentially observed trend that seniors on the North Shore are moving into more accessible neighbourhoods as they age raises some large questions for the entire community. What vision does the North Shore have around housing and also about aging in place? If the movement trend is in fact occurring, is the community vision to accommodate and embrace this trend? If so, how will the municipalities handle the competition for housing in the high density areas as when both seniors and young families compete for the same housing stock?

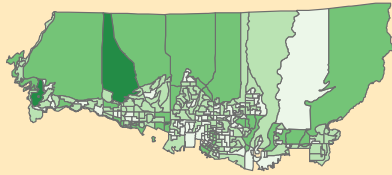
### **Maps**

See following pages.

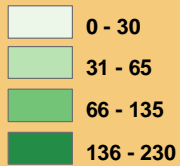
# Seniors' Housing Options (West North Shore, Burrard Inlet, BC)

Seniors in Communities Project, 2009

North Shore Seniors Coalition



Number of persons age  
65 to 74 within each DA<sup>e, c</sup>



<sup>e</sup>Dissemination Area (DA): small geographic area composed of one or more neighbouring blocks.

<sup>c</sup>Excluding Bowen Island and Lions Bay.

Trans Canada Highway  
 Major Street  
 Bridge

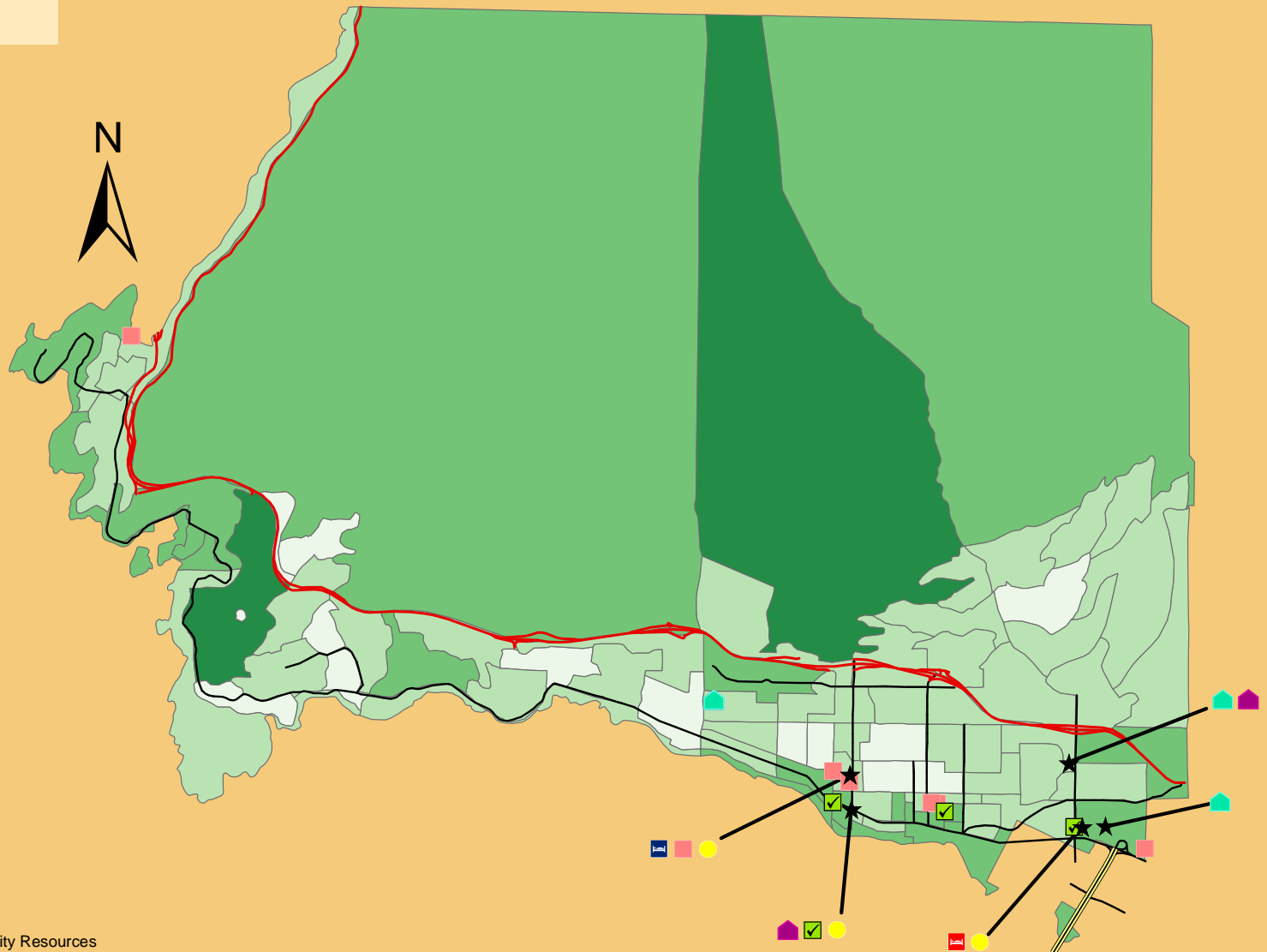
★ Multiple Housing Options\*  
 Care Facilities (Public)  
 Care Facilities (Private)  
 Assisted Living (Public)  
 Assisted Living (Private)  
 Purchased Housing  
 Subsidized Housing  
 Supportive Housing

\*Not necessarily in the same building.



**Sources:** 2006 Census of Canada, Statistics Canada  
 Services for Seniors Guide (2007), North Shore Community Resources  
 Neighbourhood boundaries provided by District of North Vancouver  
 Streets data provided by District of North Vancouver  
 Colour scheme selected from ColorBrewer  
 Map prepared by North Shore Community Resources

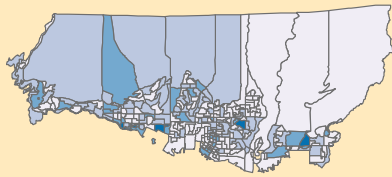
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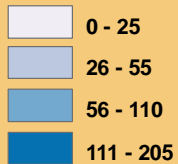
# Seniors' Housing Options (West North Shore, Burrard Inlet, BC)

Seniors in Communities Project, 2009

North Shore Seniors Coalition



Number of persons age  
75 to 84 within each DA<sup>e, c</sup>



<sup>e</sup>Dissemination Area (DA): small geographic area composed of one or more neighbouring blocks.

<sup>c</sup>Excluding Bowen Island and Lions Bay.

— Trans Canada Highway  
— Major Street  
— Bridge

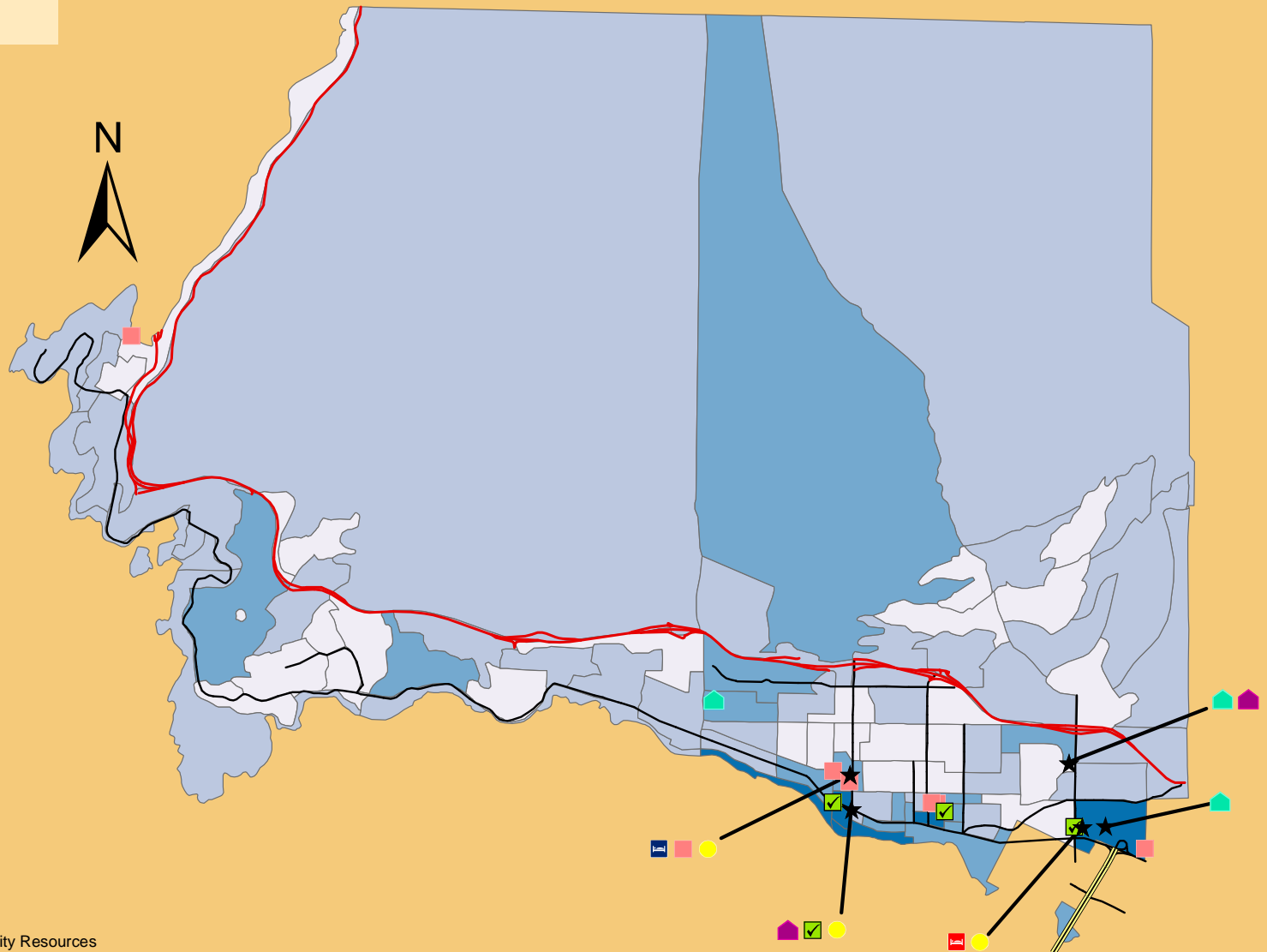
- ★ Multiple Housing Options\*
- 🏠 Care Facilities (Public)
- 🏠 Care Facilities (Private)
- 🏠 Assisted Living (Public)
- 🏠 Assisted Living (Private)
- ✅ Purchased Housing
- 🏠 Subsidized Housing
- 🟡 Supportive Housing

\*Not necessarily in the same building.



**Sources:** 2006 Census of Canada, Statistics Canada  
Services for Seniors Guide (2007), North Shore Community Resources  
Neighbourhood boundaries provided by District of North Vancouver  
Streets data provided by District of North Vancouver  
Colour scheme selected from ColorBrewer  
Map prepared by North Shore Community Resources

0 0.5 1 2 3 4 Kilometers

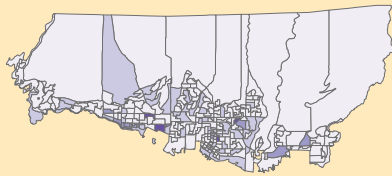


# Seniors' Housing Options

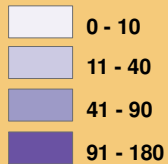
## (West North Shore, Vancouver, BC)

Seniors in Communities Project, 2007-2008

North Shore Seniors Coalition



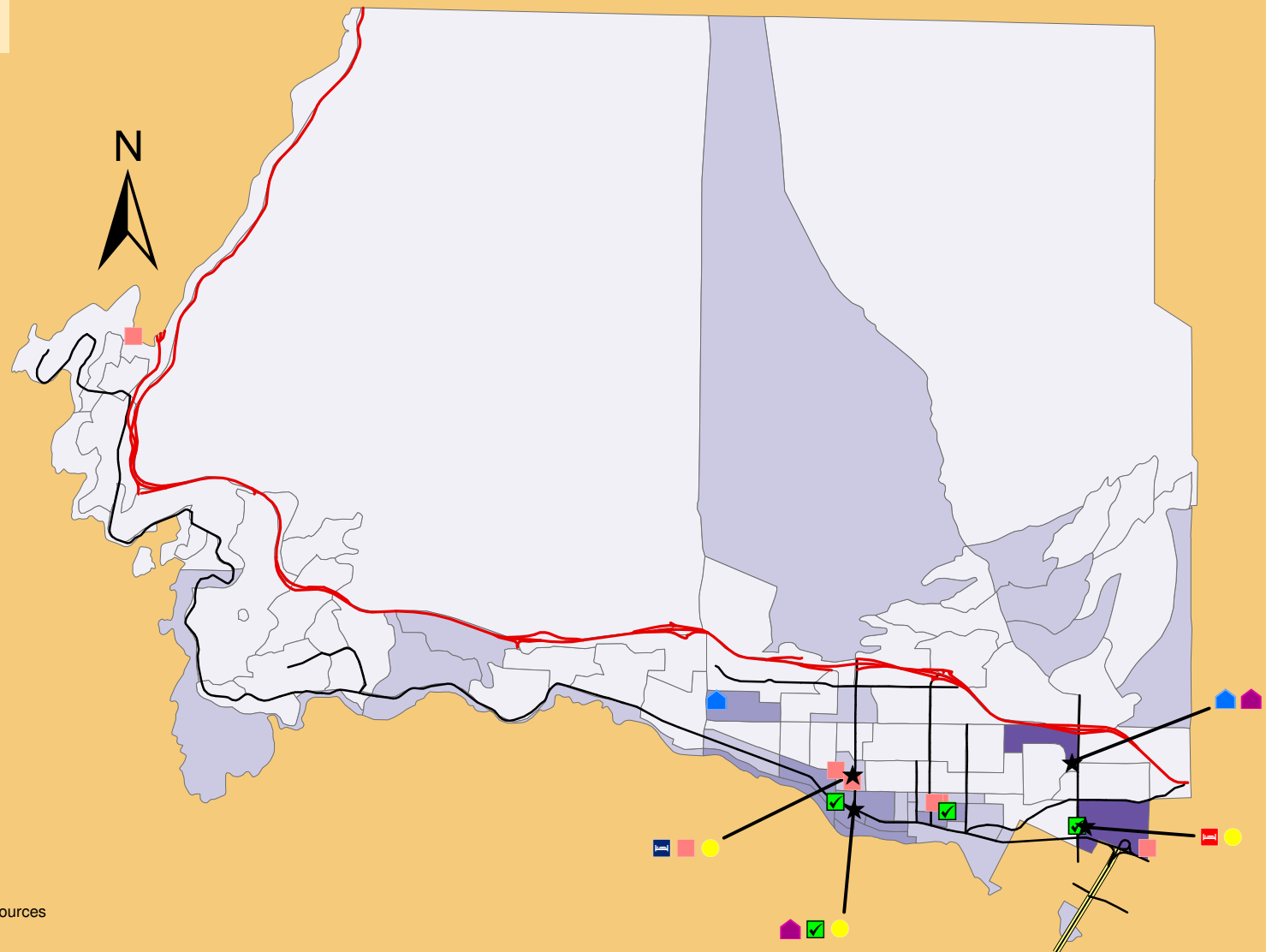
Number of persons age 85 and older within each DA<sup>e, c</sup>



<sup>e</sup>Dissemination Area (DA): small geographic area composed of one or more neighbouring blocks, with a population of 400 to 700 persons.

<sup>c</sup>Excluding Bowen Island and Lions Bay.

- TransCanada Highway
- Streets
- Lions Gate Bridge
- ★ Multiple Housing Options
- Care Facilities (Public)
- Care Facilities (Private)
- Assisted Living (Public)
- Assisted Living (Private)
- Purchased Housing
- Subsidized Housing
- Supportive Housing



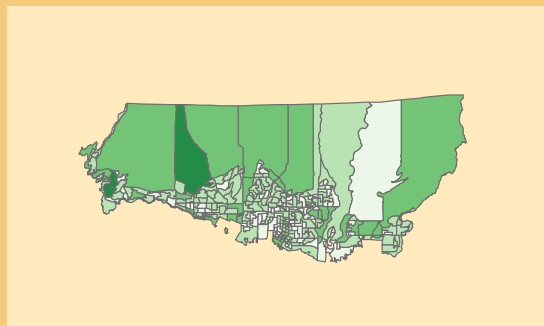
**Sources:** Statistics Canada  
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 Colour scheme selected from ColorBrewer  
 Map prepared by North Shore Community Resources

0 0.5 1 2 3 4 Kilometers

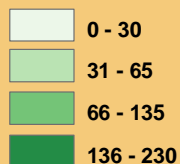
# Seniors' Housing Options (Central North Shore, Burrard Inlet, BC)

Seniors in Communities Project, 2009

North Shore Seniors Coalition



Number of persons age  
65 to 74 within each DA<sup>a, c</sup>



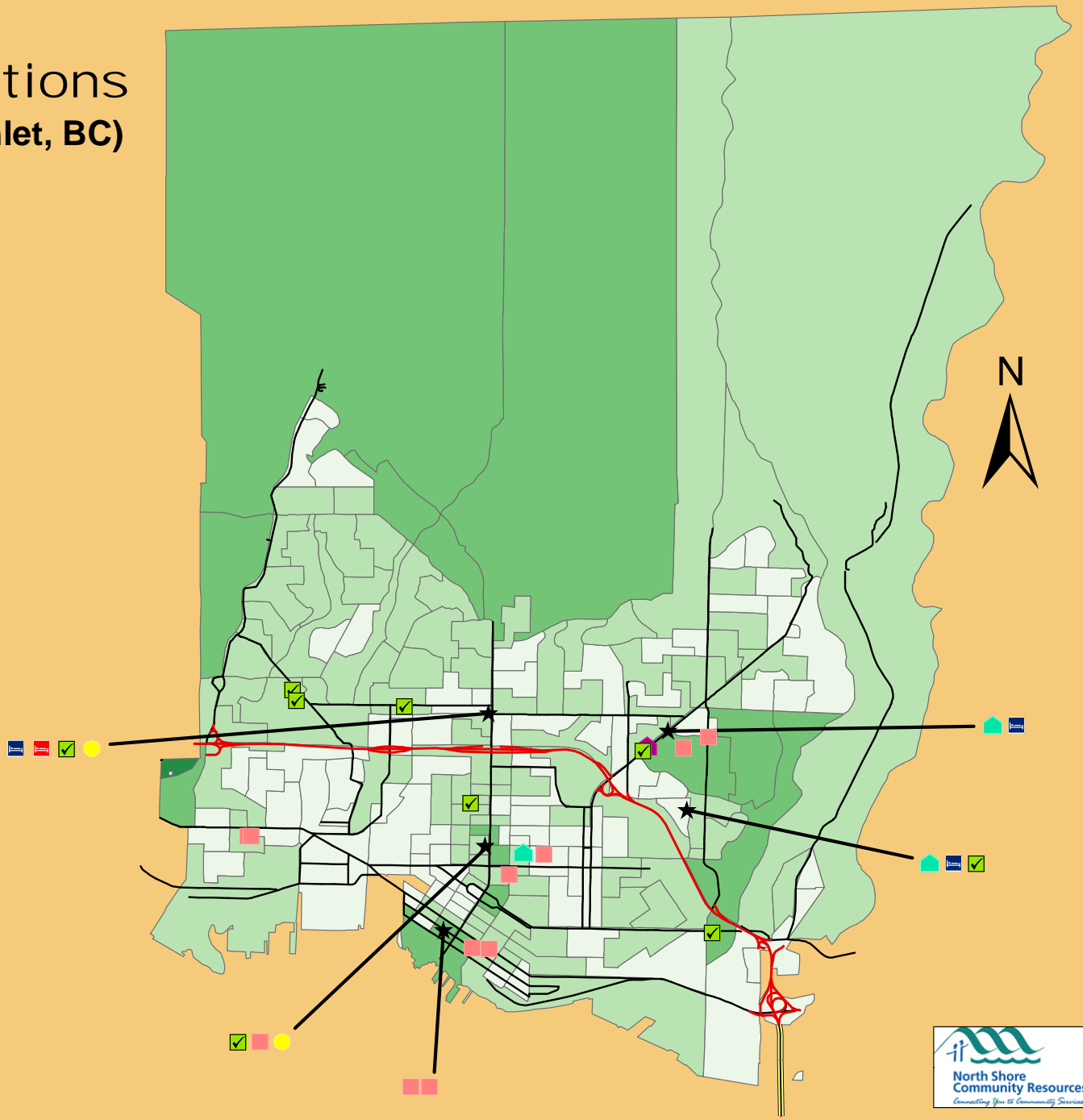
<sup>a</sup>Dissemination Area (DA): small geographic area composed of one or more neighbouring blocks.

<sup>c</sup>Excluding Bowen Island and Lions Bay.

- Trans Canada Highway
- Major Street
- Bridge

- ★ Multiple Housing Options\*
- Care Facilities (Public)
- Care Facilities (Private)
- Assisted Living (Public)
- Assisted Living (Private)
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- Subsidized Housing
- Supportive Housing

\*Not necessarily in the same building.

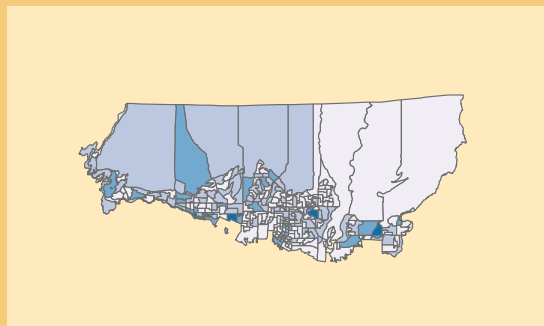


Sources: 2006 Census of Canada, Statistics Canada  
Services for Seniors Guide (2007), North Shore  
Community Resources  
Neighbourhood boundaries provided by  
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Colour scheme selected from ColorBrewer  
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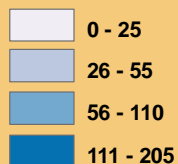
# Seniors' Housing Options (Central North Shore, Burrard Inlet, BC)

Seniors in Communities Project, 2009

North Shore Seniors Coalition



Number of persons age  
75 to 84 within each DA<sup>a, c</sup>



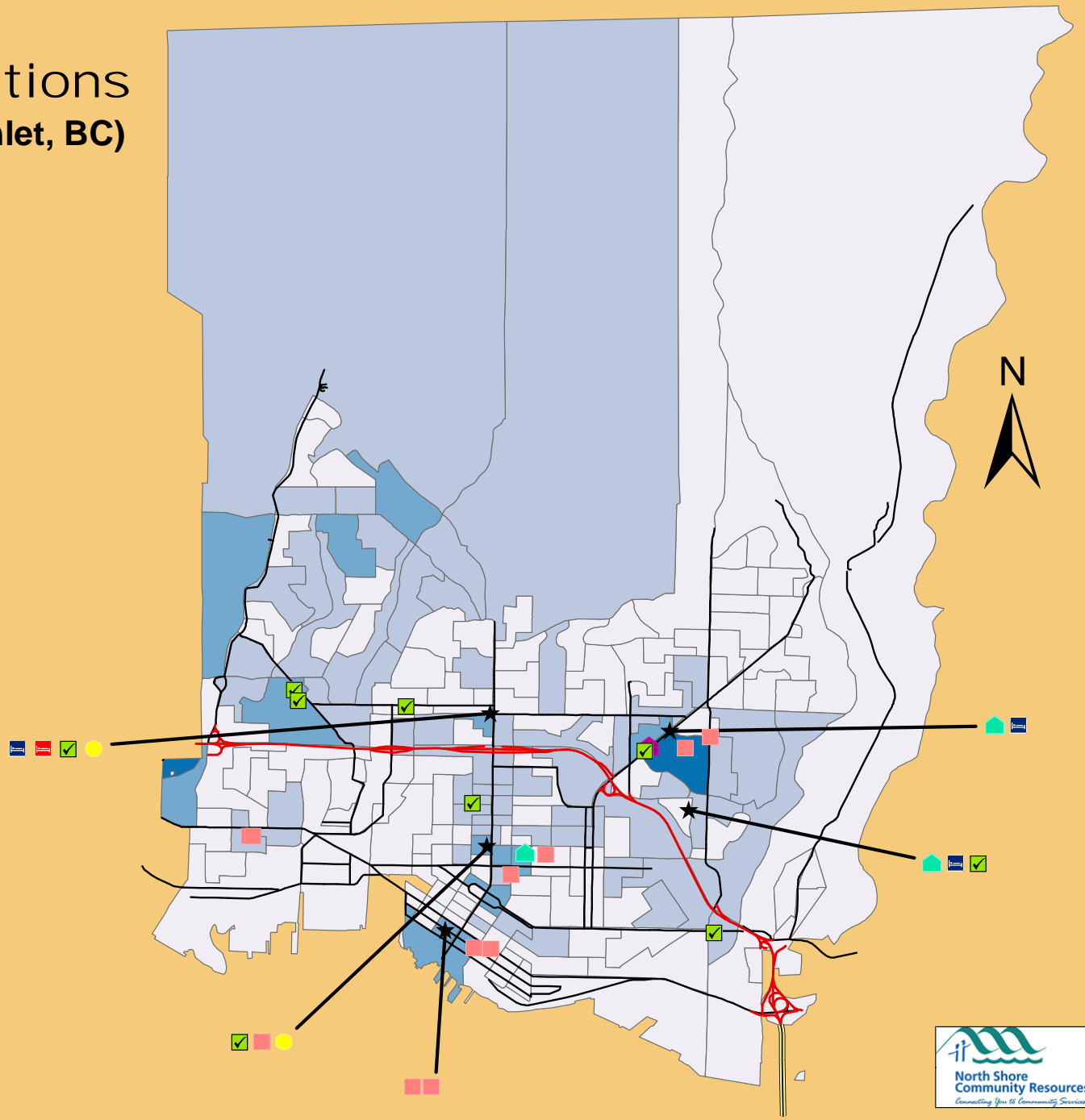
<sup>a</sup>Dissemination Area (DA): small geographic area composed of one or more neighbouring blocks.

<sup>c</sup>Excluding Bowen Island and Lions Bay.

- Trans Canada Highway
- Major Street
- Bridge

- ★ Multiple Housing Options\*
- Care Facilities (Public)
- Care Facilities (Private)
- Assisted Living (Public)
- Assisted Living (Private)
- ✓ Purchased Housing
- Subsidized Housing
- Supportive Housing

\*Not necessarily in the same building.



Sources: 2006 Census of Canada, Statistics Canada  
Services for Seniors Guide (2007), North Shore  
Community Resources  
Neighbourhood boundaries provided by  
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Colour scheme selected from ColorBrewer  
Map prepared by North Shore Community Resources

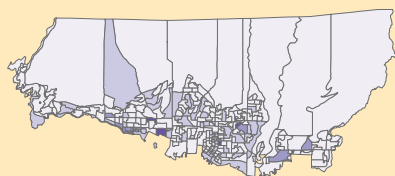


# Seniors' Housing Options

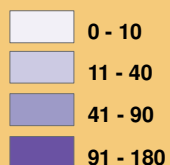
## (Central North Shore, Burrard Inlet, BC)

Seniors in Communities Project, 2007-2008

North Shore Seniors Coalition



### Number of persons age 85 and older within each DA<sup>e, c</sup>

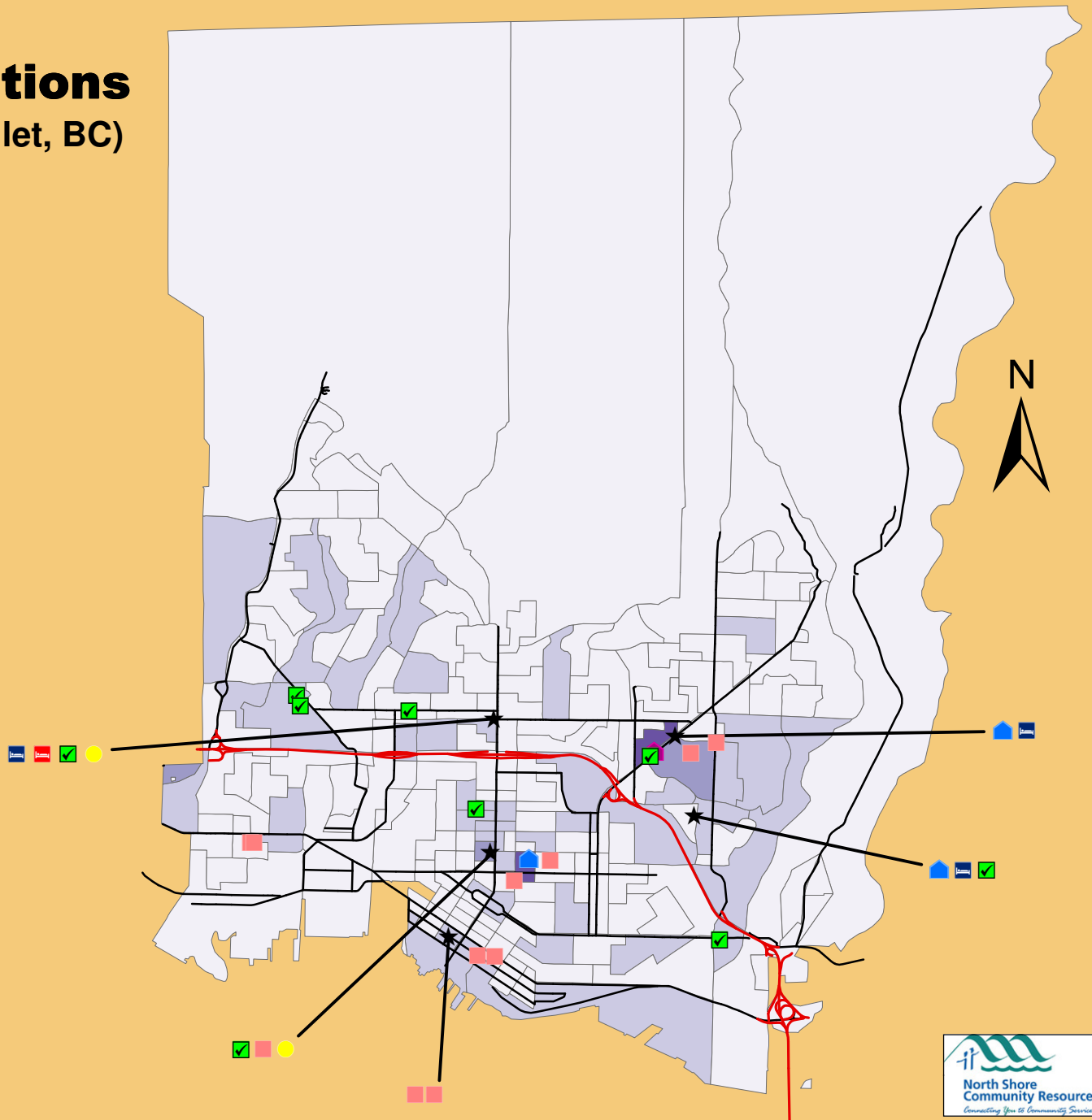


<sup>e</sup>Dissemination Area (DA): small geographic area composed of one or more neighbouring blocks, with a population of 400 to 700 persons.

<sup>c</sup>Excluding Bowen Island and Lions Bay.

- TransCanada Highway
- Streets
- ★ Multiple Housing Options\*
- 🏠 Care Facilities (Public)
- 🏠 Care Facilities (Private)
- 🏠 Assisted Living (Public)
- 🏠 Assisted Living (Private)
- ✅ Purchased Housing
- 🏠 Subsidized Housing
- 🟡 Supportive Housing

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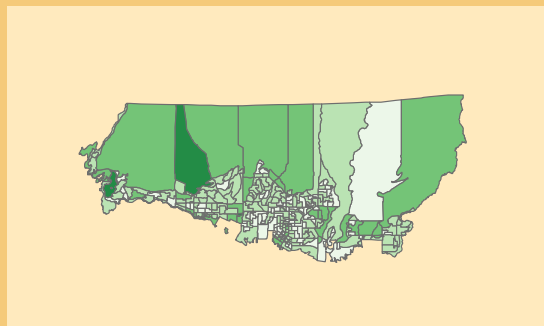


# Seniors' Housing Options

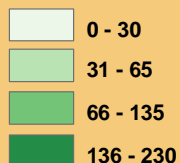
## (East North Shore, Burrard Inlet, BC)

Seniors in Communities Project, 2009

North Shore Seniors Coalition



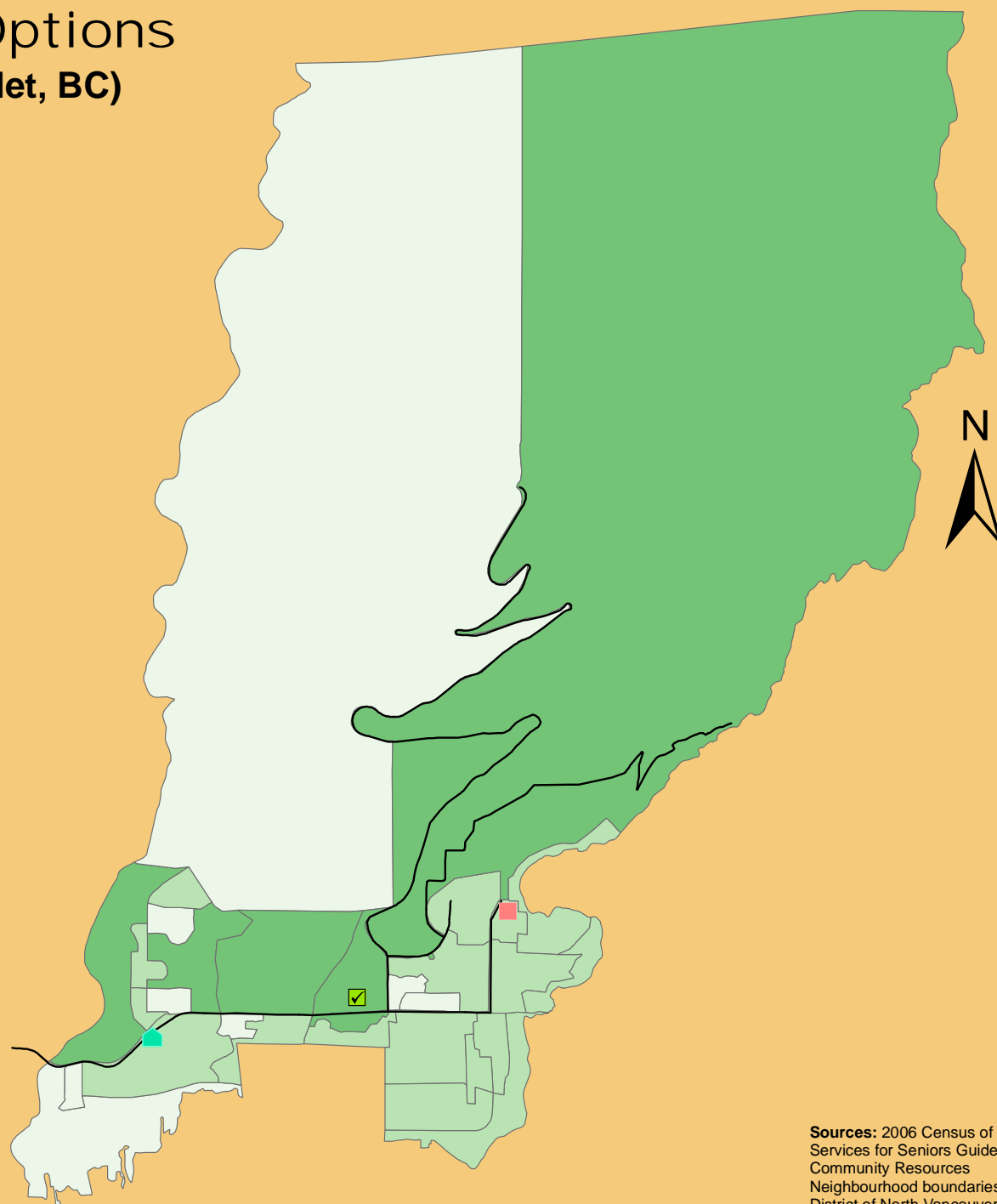
Number of persons age  
65 to 74 within each DA<sup>e, c</sup>



<sup>e</sup>Dissemination Area (DA): small geographic area composed of one or more neighbouring blocks.

<sup>c</sup>Excluding Bowen Island and Lions Bay.

- Major Street
- Care Facilities (Public)
- Purchased Housing
- Subsidized Housing



0 0.5 1 2 3 4 Kilometers



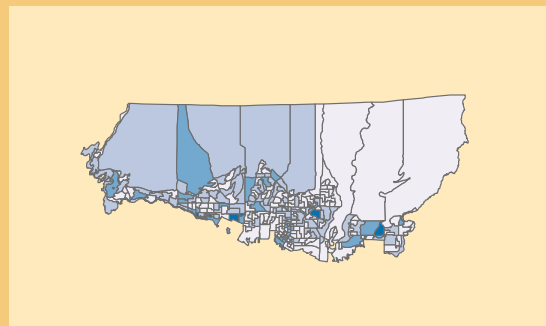
**Sources:** 2006 Census of Canada, Statistics Canada  
Services for Seniors Guide (2007), North Shore  
Community Resources  
Neighbourhood boundaries provided by  
District of North Vancouver  
Streets data provided by District of North Vancouver  
Colour scheme selected from ColorBrewer  
Map prepared by North Shore Community Resources

# Seniors' Housing Options

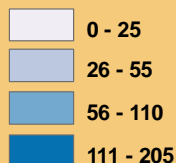
## (East North Shore, Burrard Inlet, BC)

Seniors in Communities Project, 2009

North Shore Seniors Coalition



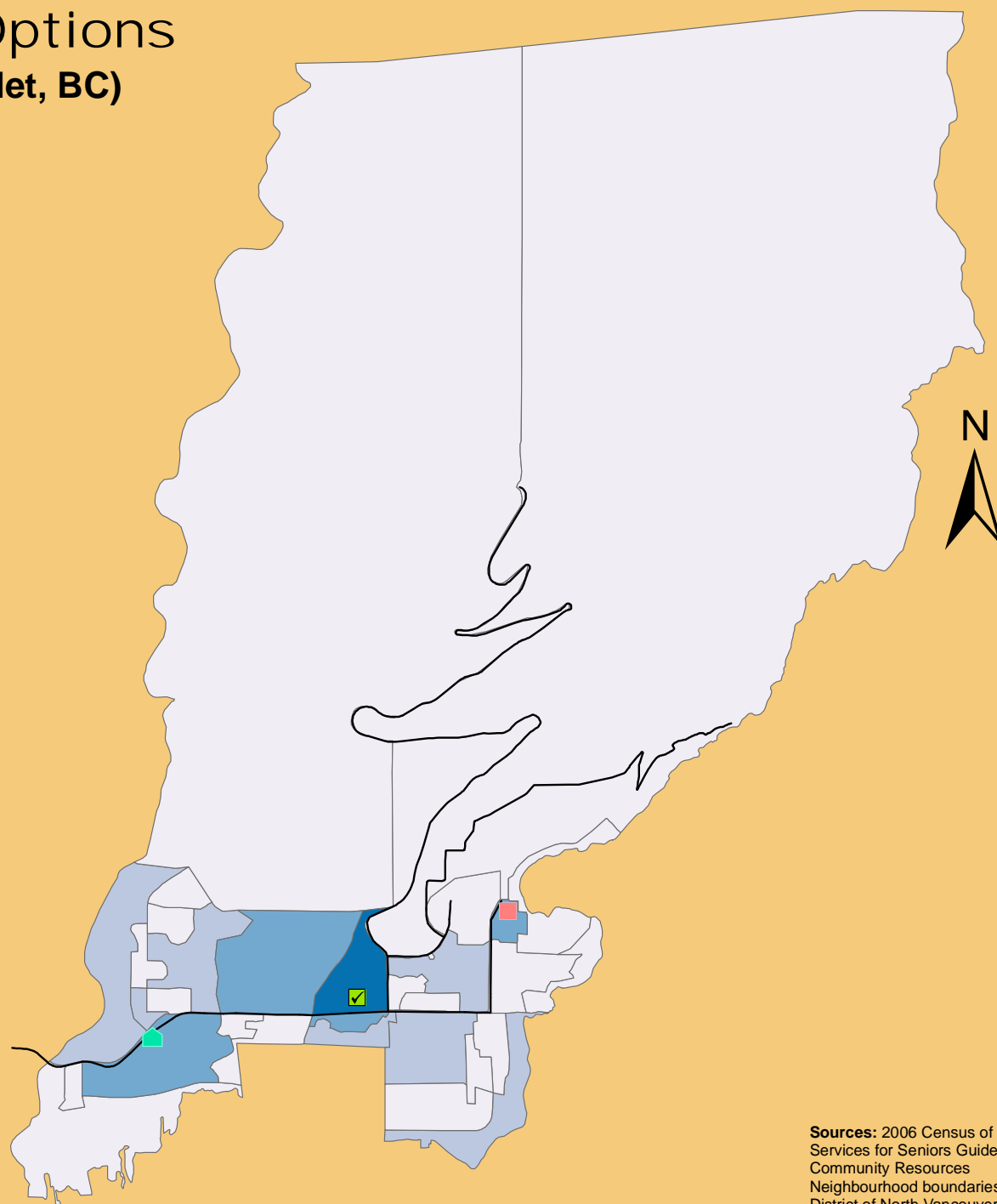
Number of persons age  
75 to 84 within each DA<sup>e, c</sup>



<sup>e</sup>Dissemination Area (DA): small geographic area composed of one or more neighbouring blocks.

<sup>c</sup>Excluding Bowen Island and Lions Bay.

- Major Street
- Care Facilities (Public)
- Purchased Housing
- Subsidized Housing



0 0.5 1 2 3 4 Kilometers



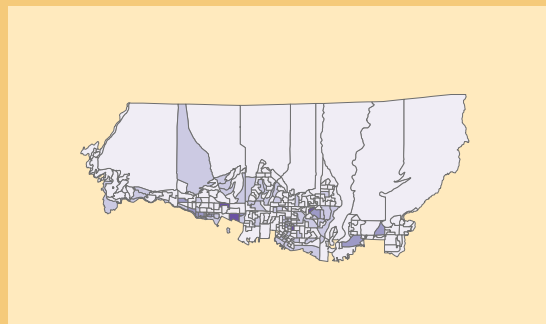
**Sources:** 2006 Census of Canada, Statistics Canada  
Services for Seniors Guide (2007), North Shore  
Community Resources  
Neighbourhood boundaries provided by  
District of North Vancouver  
Streets data provided by District of North Vancouver  
Colour scheme selected from ColorBrewer  
Map prepared by North Shore Community Resources

# Seniors' Housing Options

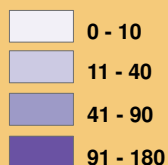
## (East North Shore, Vancouver, BC)

Seniors in Communities Project, 2007-2008

North Shore Seniors Coalition



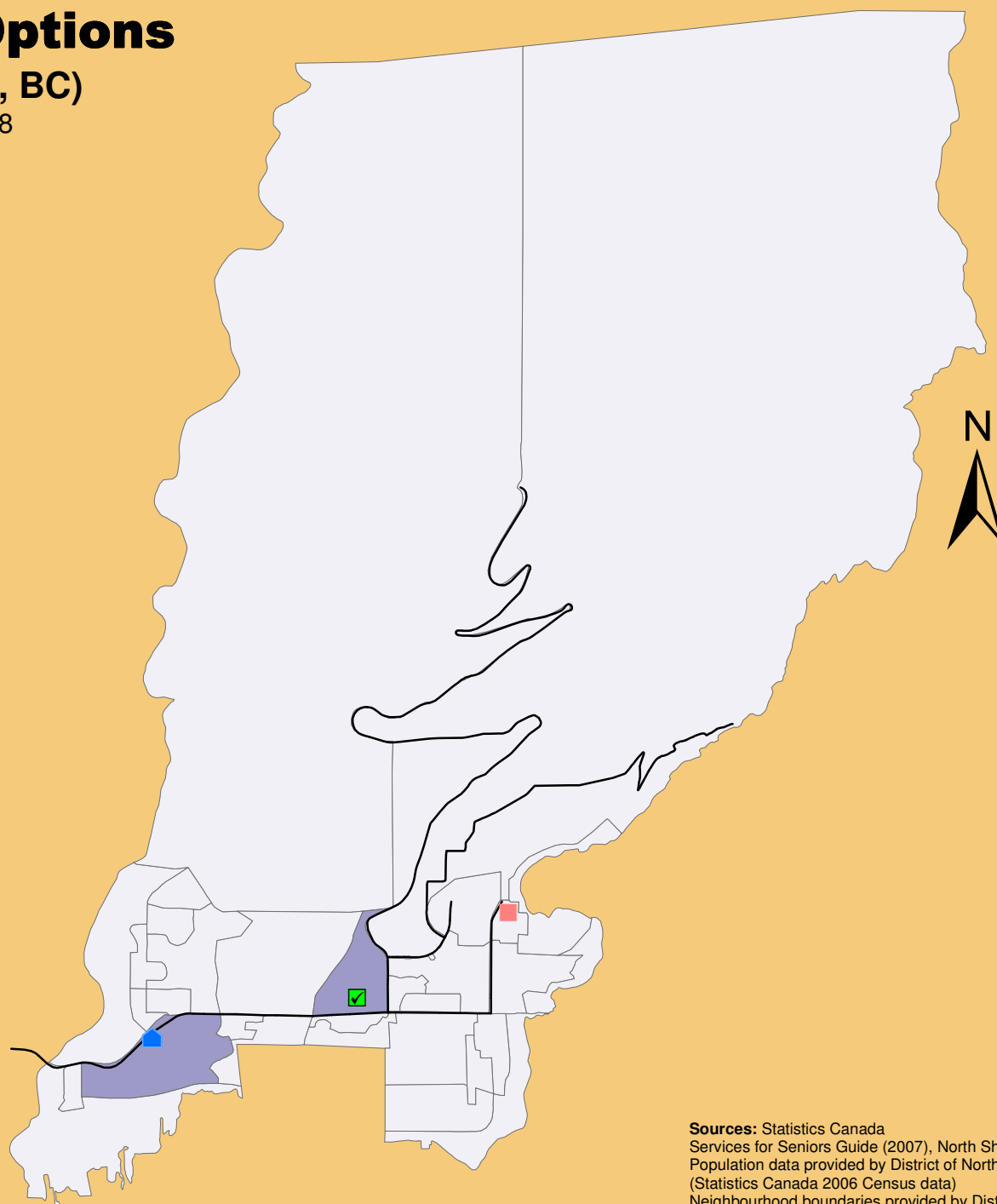
Number of persons age 85  
and older within each DA<sup>e, c</sup>



<sup>e</sup>Dissemination Area (DA): small geographic area composed of one or more neighbouring blocks, with a population of 400 to 700 persons.

<sup>c</sup>Excluding Bowen Island and Lions Bay.

- Streets
- Care Facilities (Public)
- Purchased Housing
- Subsidized Housing



0 0.5 1 2 3 4 Kilometers



**Sources:** Statistics Canada  
Services for Seniors Guide (2007), North Shore Community Resources  
Population data provided by District of North Vancouver  
(Statistics Canada 2006 Census data)  
Neighbourhood boundaries provided by District of North Vancouver  
Streets data provided by District of North Vancouver  
Colour scheme selected from ColorBrewer  
Map prepared by North Shore Community Resources

## ***Analysis Category: Information, Recreation, and Social Services***

### **Mapping Information**

The following information, recreation and social services were mapped for both current and previous study:

- Seniors' One-Stop Information
- Silver Harbour
- Parkgate Community Centre
- John Braithwaite Community Centre/North Shore Neighbourhood House
- Capilano Community Services Society – Seniors' Hub
- Seniors' Peer Support
- Lionsview Seniors Planning Society
- West Vancouver Seniors' Activity Centre
- North Vancouver City Library
- North Vancouver District Public Library (all three locations)
- West Vancouver Memorial Library
- Adults and Seniors Addiction Day Program
- Alzheimer Society Resource Centre
- BC Schizophrenia Society – NS Branch
- Canadian National Institute for the Blind
- North Shore Caregiver Support Program
- Chronic Disease Self Management
- Community Bereavement Program
- Family Services of the North Shore
- North Shore Grief Recovery
- Hard of Hearing Association
- Living Systems
- STRIVE
- Widow's Network
- North Shore Stroke Recovery Centre (both locations)

In terms of recreation services, the following types were mapped:

- Church with Outreach
- Recreation Centres
- Social Centres
- Volunteer Opportunities
- Fitness Programs
- Libraries

### **Maps Generated for Analysis**

The following maps were created (6 maps in total)

Current study-

- Concentration of seniors 65-74 with the location of recreation and social services
- Concentration of seniors 65-74 with the location of information and support services
- Concentration of seniors 75-84 with the location of recreation and social services
- Concentration of seniors 75-84 with the location of information and support services

#### Previous study-

- Concentration of seniors 85+ with the location of information and support programs (social services)
- Concentration of seniors 85+ with the location of community and recreation centers

### General Observations

- There are few listed Information and Support Services west of Dundarave, in West Vancouver
- There are a number of Information and Support Services in the City and District of North Vancouver; the maps show such services in Norgate, Edgemont, Capilano, Delbrook, and Lonsdale, and Parkgate;
- Gleaneagles Community Centre in West Vancouver connects the population west of Dundarave to Horseshoe Bay, to community services
- There is a multi-service node in the Queens/Delbrooke area in North Vancouver and at 21<sup>st</sup> near Marine Drive in West Vancouver
- Well serviced areas include Lower Lonsdale and Parkgate.
- There are obvious gaps in services, particularly west of Dundarave, and east of the City of North Vancouver. In particular, Norgate/Ambleside has no service although large concentration of seniors in all age categories mapped. Other significant gaps include the British Properties and Lynnmour, particularly around services for 75 to 84.
- Some neighbourhoods, with significant senior populations, have some services – Lynnmour and Westlynn are of note – but may not have a full range of services needed for seniors.

### Context and Analysis

- For seniors 65 to 74, this is a time of huge transition, from the work world to retirement. At this stage, many of the habits and routines developed over decades of adulthood are up for renewal and change, given substantial life change that is retirement. Re-establishing a new life in retirement for many involves added connection and use of information, recreation and social services in the community. There are potential risks of having these programs and services located specifically below and around the highway while having younger seniors living all across the North Shore (of particular note is the areas of Caulfield and the British Properties, both with 136 to 230 seniors aged 65 to 74). Mobility and appropriate access to transit will likely still be quite high and new routines and habits involving using and accessing these recreational and social services via transit or car will form. Although these services and programs add to the quality of life for younger seniors, as mobility and other access problems start to emerge with age, the ability to keep to these routines and habits become compromised.
- Bowen Island and Lions Bay are huge areas of concern, given the populations of seniors 65 to 84 in these areas. The remote and isolated nature of these areas are attractive to many who decide to live there, but as seniors age, the need/desire to take part in recreational and social

programs and to benefits of being connected and feeling safe grow. Having no mapped information, recreational and social services in these areas is of great concern for seniors as they age.

- Seniors 85+, often frail, may not be able to know or predict the services that will be important to them as they age. For example, one may not know that the North Shore Stroke Recovery Centre will be a significant part of their daily living. Therefore, living in areas that do not have close proximity to multi-program nodes may have more consequences for a senior than what he or she expected, especially in the case when, prior to a stroke, the senior was able to drive. Currently, the multi-program nodes in this category are not located in some areas where there are the most concentration of seniors 85+ (between 91 – 180 seniors), particularly in Lynnmour, Norgate, and Lynn Valley West.

### **Signposts for Consideration**

- All of the above context and analysis points, as well as the observations that inform these points make up the signposts for consideration.
- Again, the overall concern of services and programs being available mainly below the highway becomes even more of an issue given the more expansive and spread out nature of seniors 65 to 74. As seniors transition out of work and adjust their lives to retirement, the availability of programs and services (and how they are able to access them) become important, as these habits may not change as they age.

### **Maps**

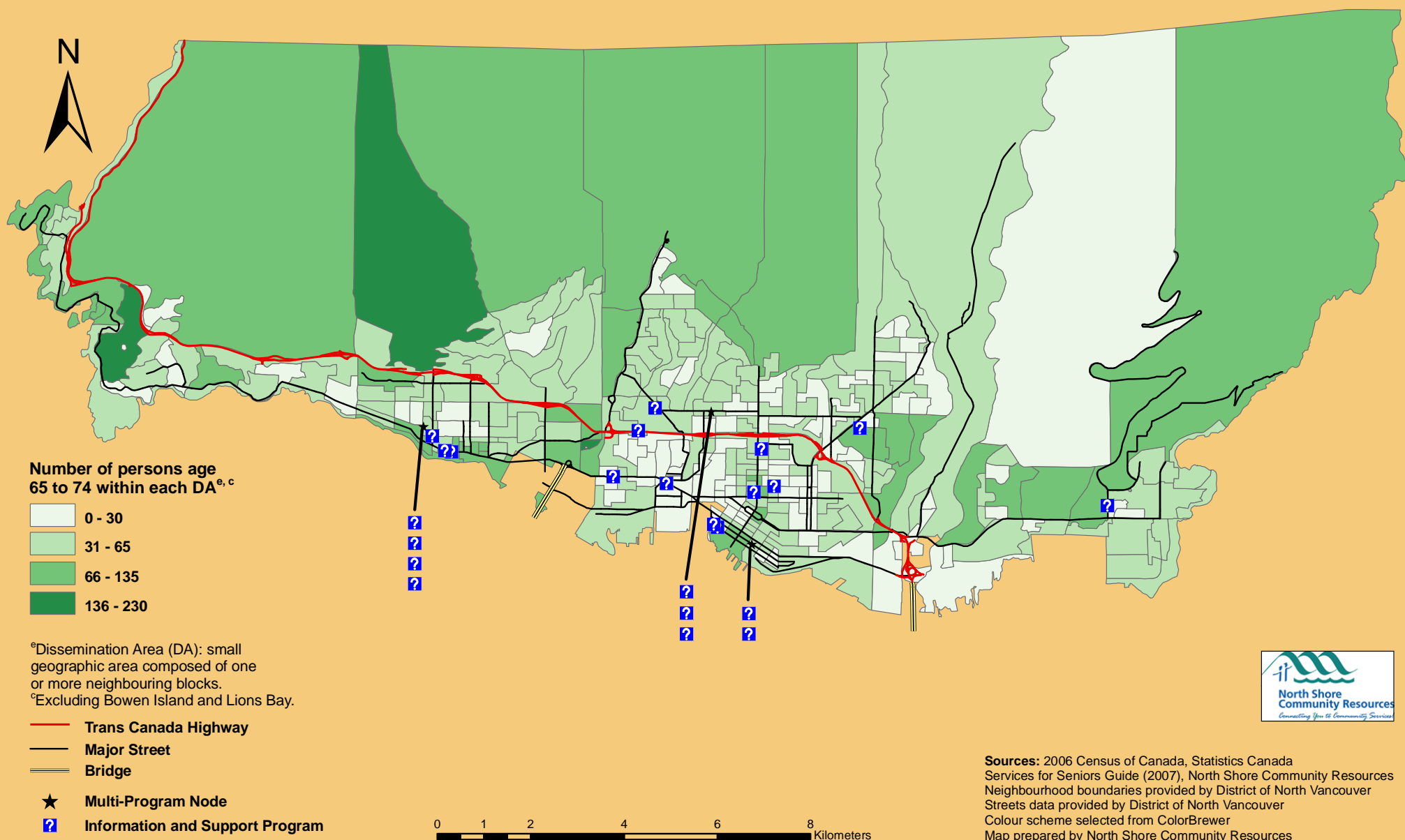
See following pages.

# Information and Support Services

(North Shore, Burrard Inlet, BC)

Seniors in Communities Project, 2009

North Shore Seniors Coalition



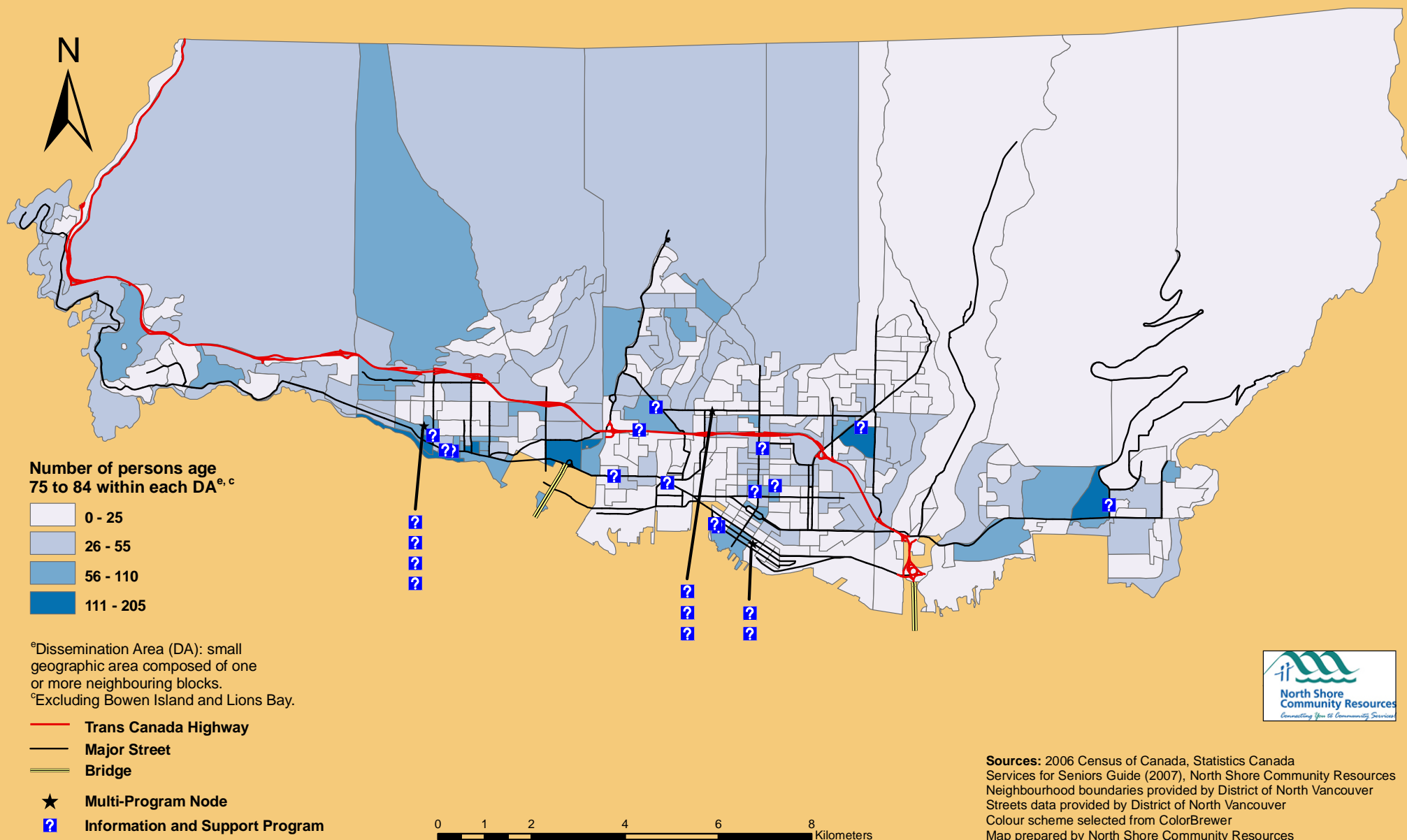


# Information and Support Services

(North Shore, Burrard Inlet, BC)

Seniors in Communities Project, 2009

North Shore Seniors Coalition

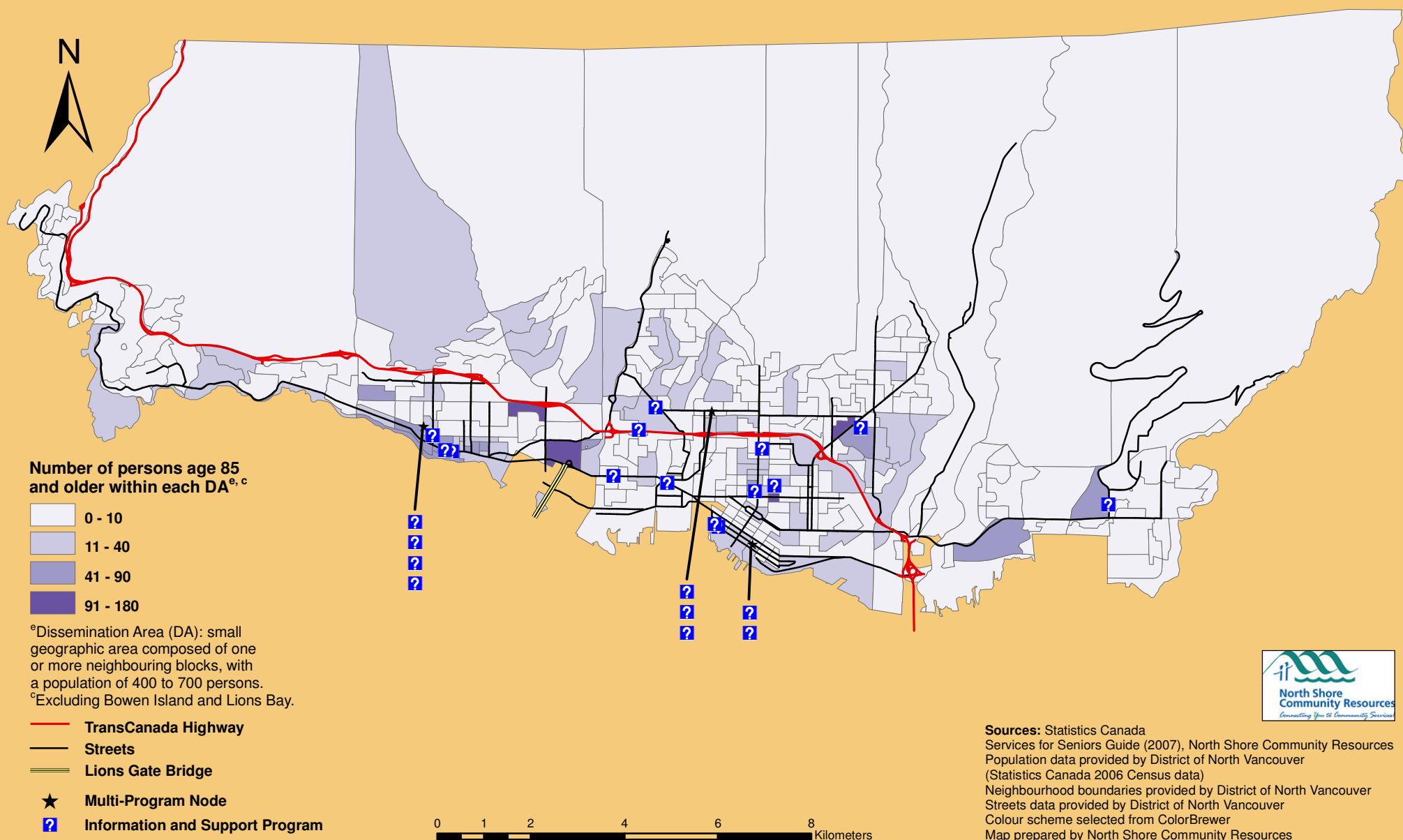


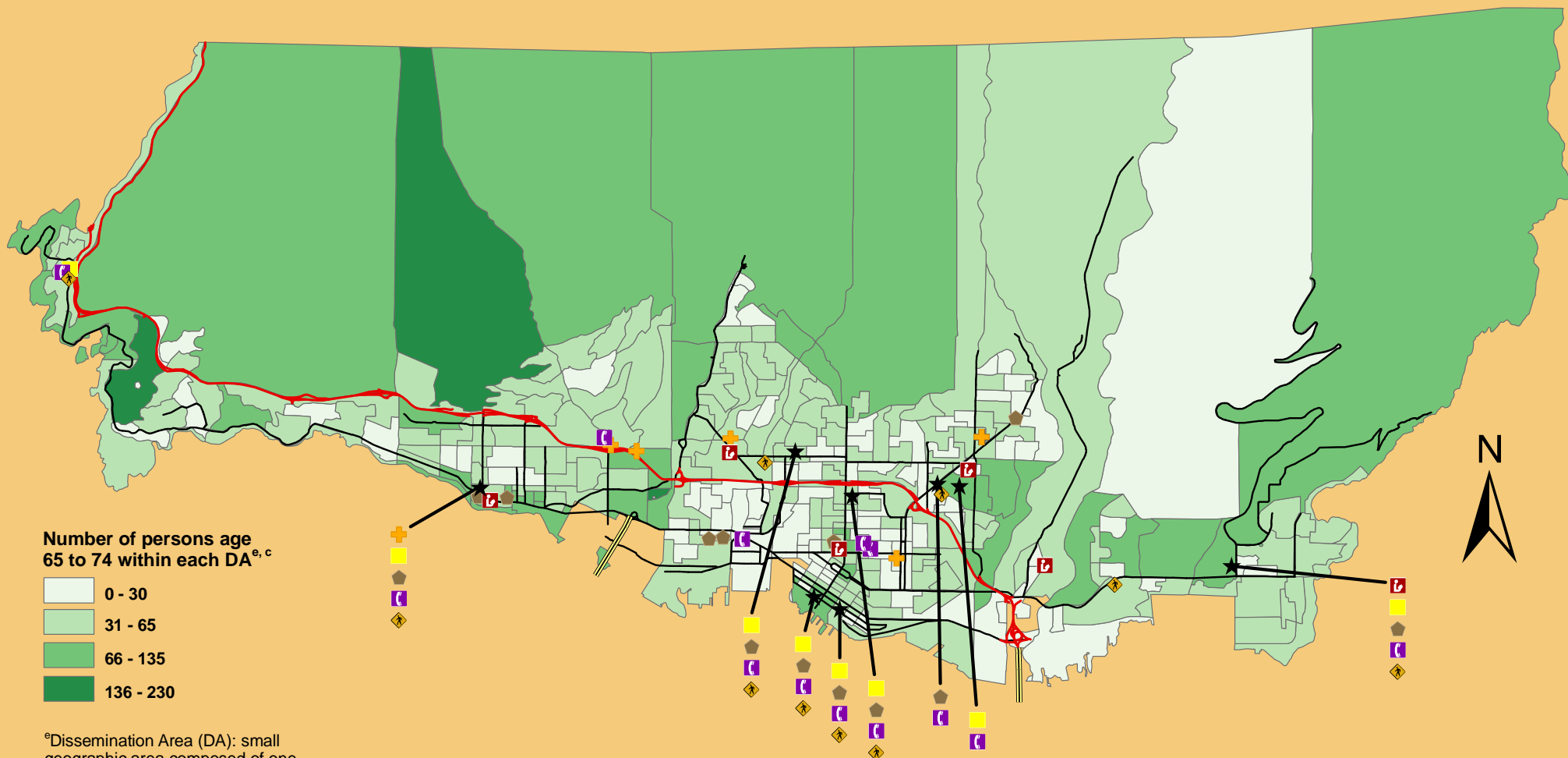
# Information and Support Services

(North Shore, Burrard Inlet, BC)

Seniors in Communities Project, 2007-2008

North Shore Seniors Coalition





# Recreation and Social Services (North Shore, Burrard Inlet, BC)

Seniors in Communities Project, 2009

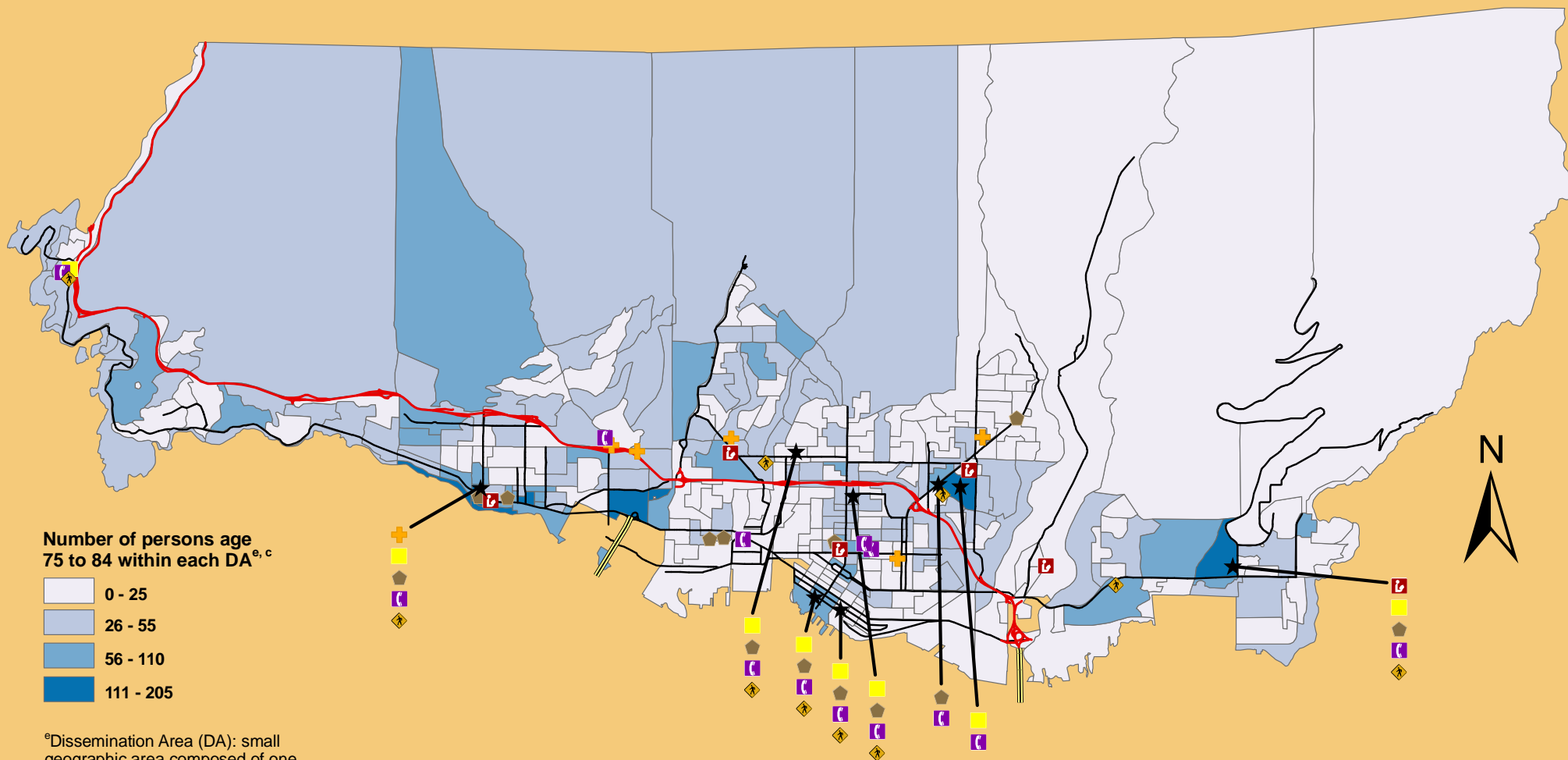
North Shore Seniors Coalition



\*Services not necessarily within the same building.



**Sources:** 2006 Census of Canada, Statistics Canada  
 Recreation and social services data provided by Vancouver Coastal Health Authority and District of North Vancouver  
 Neighbourhood boundaries provided by District of North Vancouver  
 Streets data provided by District of North Vancouver  
 Colour scheme selected from ColorBrewer  
 Map prepared by North Shore Community Resources



# Recreation and Social Services (North Shore, Burrard Inlet, BC)

Seniors in Communities Project, 2009

North Shore Seniors Coalition



**Sources:** 2006 Census of Canada, Statistics Canada  
 Recreation and social services data provided by Vancouver Coastal Health Authority and District of North Vancouver  
 Neighbourhood boundaries provided by District of North Vancouver  
 Streets data provided by District of North Vancouver  
 Colour scheme selected from ColorBrewer  
 Map prepared by North Shore Community Resources

\*Services not necessarily within the same building.

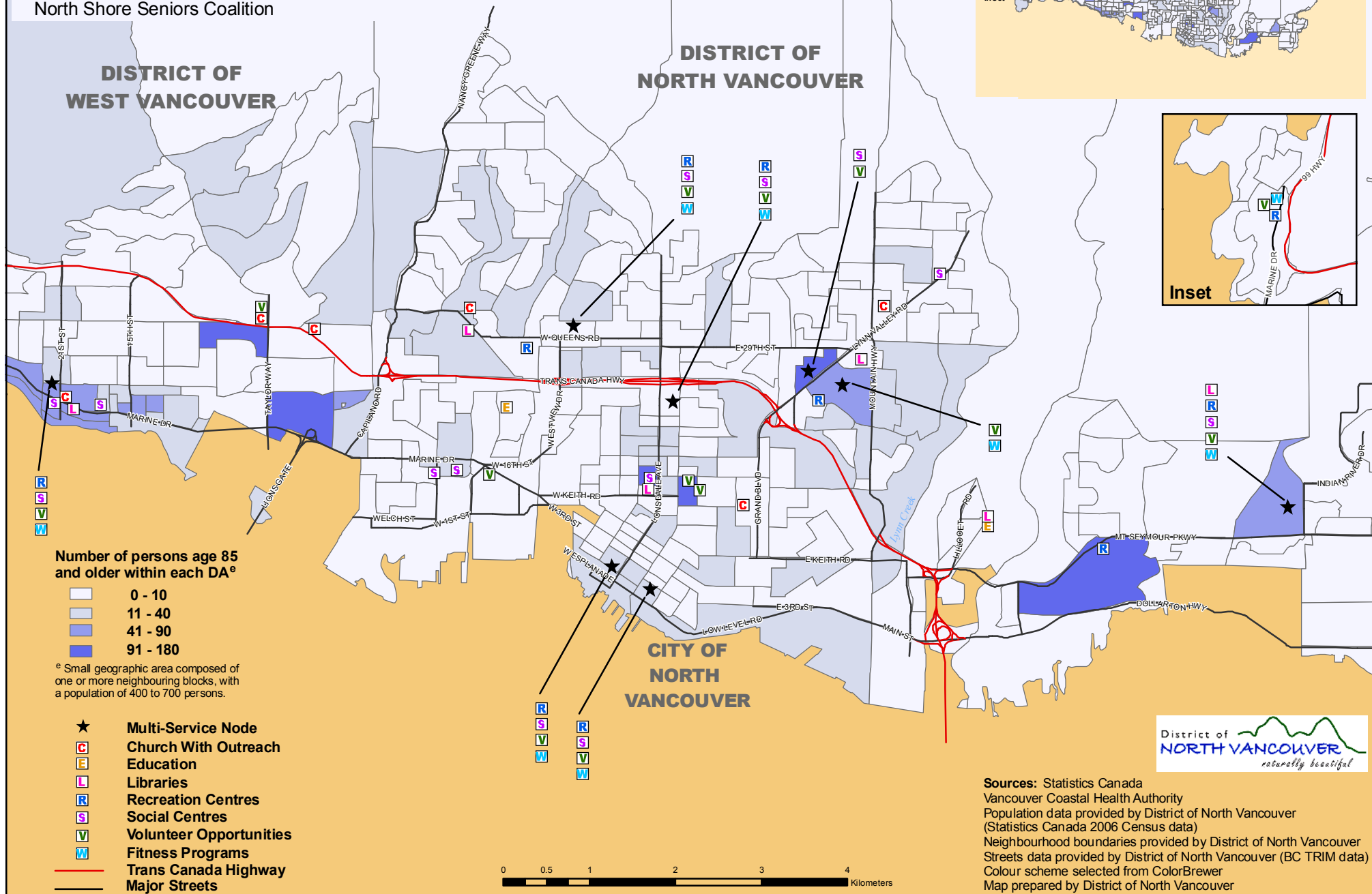


# Recreation & Social Services For Seniors

## (North Shore, Burrard Inlet, B.C.)

Seniors in Communities Project, 2007-2008

North Shore Seniors Coalition



## ***Analysis Category: Commercial Centres***

### **Mapping Information**

The following commercial centre data was mapped:

- The definition of commercial centres are: access to a bank, grocery and pharmacy services within close proximity of one another
- Bowen Island and Lions Bay are not included in this analysis category

### **Maps Generated**

The following maps were created (3 maps in total)

#### **Current study-**

- Concentration of seniors 65-74 with the location of commercial centres (bank, grocery, and pharmacy within close proximity)
- Concentration of seniors 75-84 with the location of commercial centres (bank, grocery, and pharmacy within close proximity)

#### **Previous study-**

- Concentration of seniors 85+ with the location of commercial centres (bank, grocery, and pharmacy within close proximity)

### **General Observations**

- Fourteen commercial centres are mapped on the North Shore;
- West of Dundarave, there are no commercial centres until Caulfield;
- In the rest of West Vancouver, commercial centres are not found north of Marine Drive;
- In North Vancouver, three commercial centres are mapped above the highway in Edgemont Village, Westview and Lynn Valley;
- In North Vancouver, a number of commercial centres are mapped below the highway between Lions Gate Bridge and the Second Narrows/Ironworkers' Memorial Bridge, i.e. in Norgate, Lonsdale Ave., Lonsdale Quay, Park and Tilford, etc.; and
- There is a commercial centre in the east area of North Vancouver, east of the Second Narrows/Ironworkers' Memorial Bridge, but the next easterly commercial centre is a long distance away, located at Parkgate.
- Gaps in services can be found at: Upper Capilano, North end of Delbrook/Canyon Heights, and Westlynn where high concentration of seniors exist, particularly 75 to 84 year old seniors.

## **Context and Analysis**

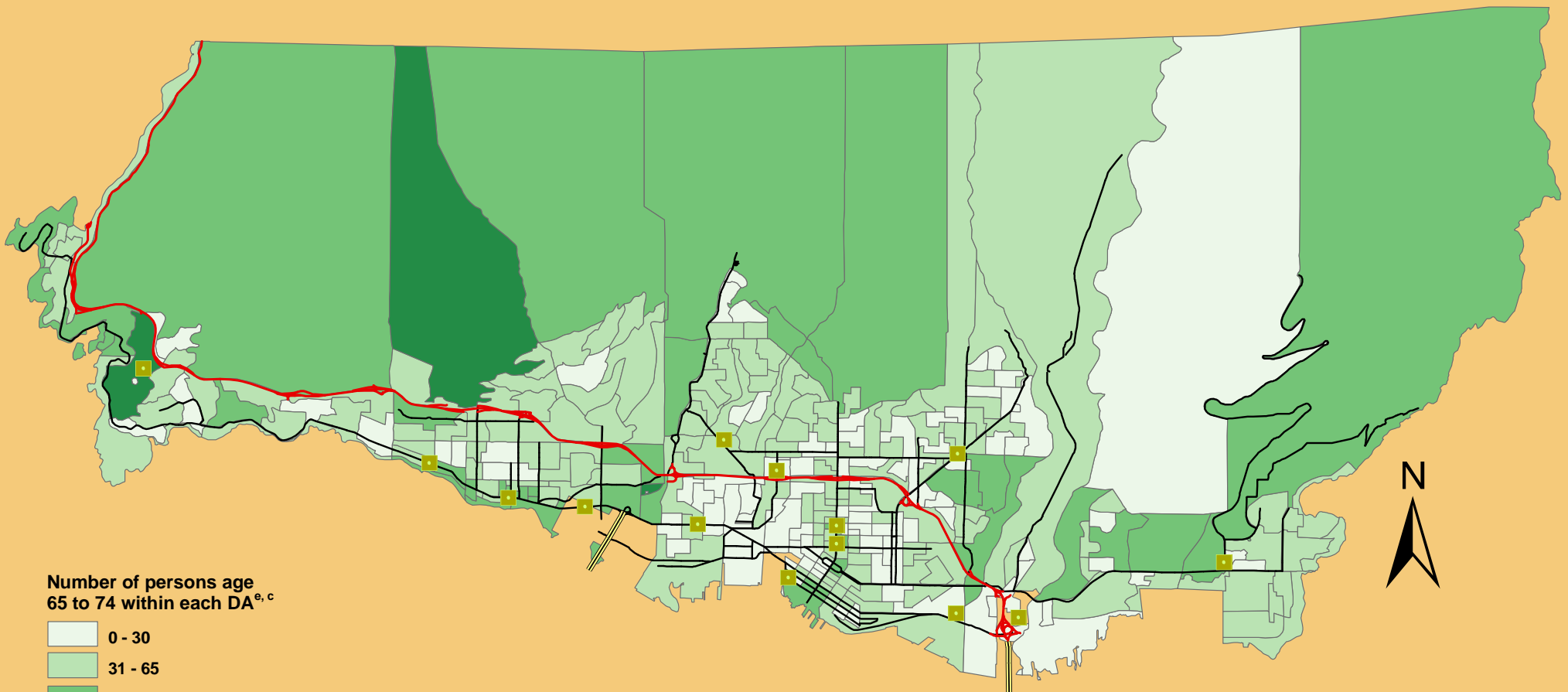
- Much like the analysis for seniors and access/proximity to information, recreational and social services, there are potential risks of having commercial centres located specifically below and around the highway while having younger seniors living all across the North Shore (of particular note is the areas of Caulfield and the British Properties, both with 136 to 230 seniors aged 65 to 74). As noted in the previous analysis, in this age category habits and routines have been formed in their adult-life. However, this period is also a transition period from work-life to retired-life, providing some opportunities for changes in habits and routine. This transition period is of note, as the maps potentially show some movement of seniors from 75 to 84, showing how habits and routines established during 65 to 74 are important. Routines and habits associated with commercial centres – banking, personal care (like haircuts), and grocery shopping – are key parts of a person’s sense of self and sense of independent living.
- Bowen Island and Lions Bay are huge areas of concern as well in regards to habit formation and access to a vast array of services and products provided at commercial centres. Although there are many artisan and unique stores in these areas, access to some basic commercial services may be lacking.
- Many of the commercial centres are located adjacent to significant seniors populations, but not in the neighbourhoods themselves. These centres may be located at easy to access intersections (great for access by car), but access via transit may be more difficult, particularly as seniors age and have increased mobility issues and regular transit use is no longer possible. Access also depends on the frequency and accessibility of transit services.

## **Signposts for Consideration**

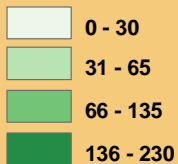
- All of the analysis material serve as signposts for consideration (see above).

## **Maps**

See following pages.



Number of persons age  
65 to 74 within each DA<sup>e, c</sup>



<sup>e</sup>Dissemination Area (DA): small  
geographic area composed of one  
or more neighbouring blocks.

<sup>c</sup>Excluding Bowen Island and Lions Bay.



Yellow square icon Commercial Centre\*

\*Access to bank, grocery and pharmacy  
services (within close proximity of one  
another).



## Commercial Centres (North Shore, Burrard Inlet, BC)

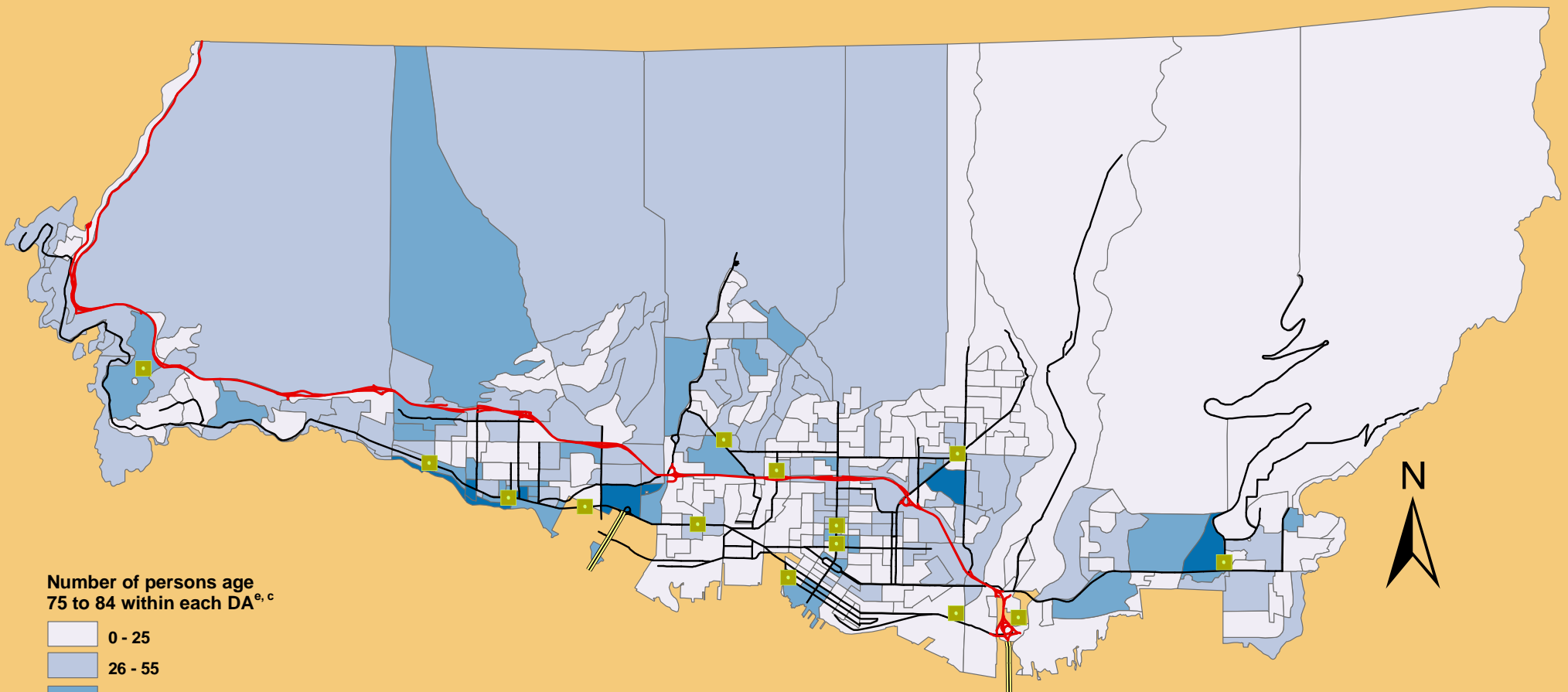
Seniors in Communities Project, 2009

North Shore Seniors Coalition

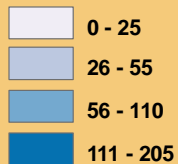


**Sources:** 2006 Census of Canada, Statistics Canada  
The Green Book, North Shore Community Resources  
Neighbourhood boundaries provided by  
District of North Vancouver  
Streets data provided by District of North Vancouver  
Colour scheme selected from ColorBrewer  
Map prepared by North Shore Community Resources



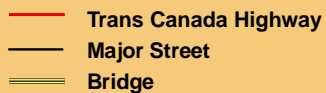


Number of persons age  
75 to 84 within each DA<sup>e, c</sup>



<sup>e</sup>Dissemination Area (DA): small  
geographic area composed of one  
or more neighbouring blocks.

<sup>c</sup>Excluding Bowen Island and Lions Bay.



Green square with 'C' **Commercial Centre\***

\*Access to bank, grocery and pharmacy  
services (within close proximity of one  
another).

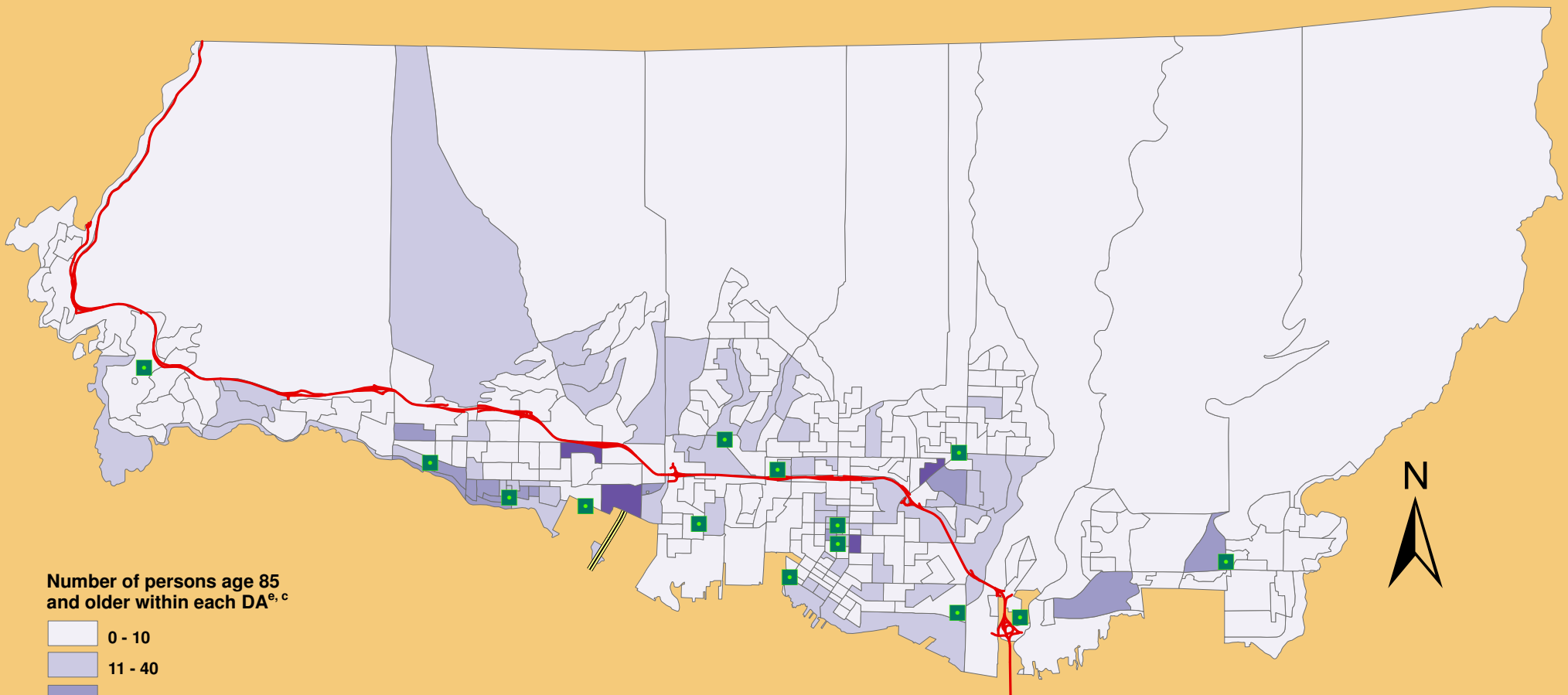
## Commercial Centres (North Shore, Burrard Inlet, BC)

Seniors in Communities Project, 2009

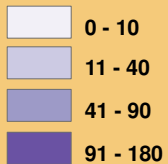
North Shore Seniors Coalition



**Sources:** 2006 Census of Canada, Statistics Canada  
The Green Book, North Shore Community Resources  
Neighbourhood boundaries provided by  
District of North Vancouver  
Streets data provided by District of North Vancouver  
Colour scheme selected from ColorBrewer  
Map prepared by North Shore Community Resources

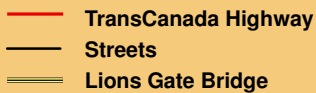


Number of persons age 85 and older within each DA<sup>e, c</sup>



<sup>e</sup>Dissemination Area (DA): small geographic area composed of one or more neighbouring blocks, with a population of 400 to 700 persons.

<sup>c</sup>Excluding Bowen Island and Lions Bay.



Commercial Centres\*

\*Access to bank, grocery and pharmacy services (within close proximity of one another).



## Commercial Centres (North Shore, Burrard Inlet, BC)

Seniors in Communities Project, 2007-2008

North Shore Seniors Coalition



**Sources:** Statistics Canada  
The Green Book, North Shore Community Resource  
Population data provided by District of North Vancouver  
(Statistics Canada 2006 Census data)  
Neighbourhood boundaries provided by District of North Vancouver  
Streets data provided by District of North Vancouver (BC TRIM data)  
Colour scheme selected from ColorBrewer  
Map prepared by North Shore Community Resources

## **PART TWO: Analysis of Maps from Current Study of Seniors Aged 65 – 84**

## ***Analysis Category: Public Transit***

### **Mapping Information**

The following transit data was mapped:

- ***Note: No public transit maps were generated in the previous 85+ mapping work***
- Transit route data provided by Translink (2008)
- Bowen Island and Lions Bay, not included
- Transit Route Buffer (300 meters) is “determined by community coalition representatives as a suitable walking distance to transit route access for the selected age cohort”
- Public Transit mapping data is a “component of community; municipal; or regional transit system”

### **Maps Generated for Analysis**

The following maps were created (6 maps in total):

- Proximity of Seniors ages 65 – 74 to transit routes (East North Shore sub-map)
- Proximity of Seniors ages 75 – 84 to transit routes (East North Shore sub-map)
- Proximity of Seniors ages 65 – 74 to transit routes (Central North Shore sub-map)
- Proximity of Seniors ages 75 – 84 to transit routes (Central North Shore sub-map)
- Proximity of Seniors ages 65 – 74 to transit routes (West North Shore sub-map)
- Proximity of Seniors ages 75 – 84 to transit routes (West North Shore sub-map)

### **General Observations**

- Transit services are concentrated in populated areas, commercial centres, and on main routes
- Residents in Blueridge neighbourhoods are likely to be either on a bus route or within the “transit route buffer”
- The Strathcona neighbourhood – west of Parkgate and east of Blueridge – has very limited transit services and yet a significant population, between 56 and 110 of seniors aged 75 – 84, are residing in the neighbourhood
- Roche Point – is another area in the East North Shore that has between 26 and 55 seniors aged 75 – 84 residing in a neighbourhood that has very limited transit services; most of these seniors are not within the “transit route buffer” zone
- For seniors aged 65 – 74 living in the East North Shore area, most of the 136 – 230 seniors are living outside of transit routes and outside of the transit route buffer
- In the Central North Shore, there is better public transit coverage, but there are pockets of smaller geographic areas outside of the transit route buffer

## Context and Analysis

- If seniors aged 65 – 74 and seniors aged 75 – 84 do not live within the transit route buffer area and they are mobile, they would need to be quite healthy and strong in order to walk beyond 300 meters to get to a transit route and possibly further to get to a bus stop
- If the same senior population requires mobility aids, such a walker, cane or a wheelchair, and do not live within the “transit route buffer” they will likely require a higher level of endurance, good overall health and a certain level of coordination with their mobility aids to engage in public transit
- The North Shore is rugged, has steep hills and, in general, has a unique topography which combined with the 300 meter transit route buffer, adds a significant complexity to the issue of seniors engaging in public transit services. In other areas of Metro Vancouver, a 300 meter transit route buffer could be more negotiable due to a flatter topography.
- The seniors aged 65 – 84 who do not live within the transit route buffer may be more vulnerable to accidents or injury while attempting to access public transit
- Seniors may be inclined to continue operating a vehicle for longer if they perceive or experience public transit to be cumbersome. This could potentially cause hazards on the roads, if they are experiencing difficulties with sight or co-ordination.
- Lastly, it is also important to note, that in addition to the transit buffer, the scheduled routes and frequency of service is another important factor affecting seniors’ mobility. For example, certain areas in West Vancouver have bus service only once every 2 hours (for example, the British Properties on Sundays) which may further restrict seniors. In addition, the degree to which transit stops and stations are age-friendly, for ease of boarding and disembarking, also likely affect transit use by seniors.

## Signposts for Consideration

- There is a neighbourhood directly west of Parkgate that has senior housing developments but is not on transit routes, nor within the transit route buffer. Further, the demographics of this neighbourhood documents between 111 and 205 seniors in the 75 - 84 year old age category living in this area.
- Other neighbourhoods with limited transit services with significant senior populations are: Strathcona and Roche Point in the East North Shore area.
- There are significant number of seniors aged 75 – 84 residing in the Panorama area in the British Properties; many living in single detached houses and are well removed from the transit route buffer.
- Independent living for seniors is compromised by a lack of access to public transit. In order to stay independent for a longer period of time, assessable public transit becomes increasingly important in the 65 – 84 age range.
- Dependence of programs due to a lack of accessible public transit. As seniors require groceries, pharmaceuticals and other necessary items, they may need to turn to non-profits to find a solution if they cannot access public transit to manage these tasks independently. Some non-

profits offer meal or grocery transportation programs. Such seniors would depend on these programs to continue living independently. Dependence on such programs, most likely, is *not a desired outcome for seniors*. Engagement in such a program *directly relates* to an inability to access public transit. Further, this senior is dependent on a program, not because he or she cannot cook / prepare a meal / grocery shop, but cannot access public transit. Accessing these non-profit programs due to a lack of access to public transit adds a new client base to already high-needs / low funded programs.

- Seniors focus on programs that meet basic need rather than other opportunities. The senior who cannot access public transit will problem-solve around basic needs often at the expense of meeting other needs, like social networking. A senior's time and energy may be required to engage in the meal or grocery transportation program when he / she could have shopped themselves if they could access public transit. A lack of accessible public transit may hinder seniors from socializing or participating in their communities. Given few transportation options, some seniors remain isolated for long periods; this has a negative effect on their physical and mental health.

## Maps

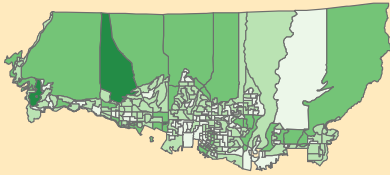
See following pages.

# Transit Routes

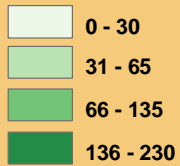
## (West North Shore, Burrard Inlet, BC)

Seniors in Communities Project, 2009

North Shore Seniors Coalition



Number of persons age  
65 to 74 within each DA<sup>a, c</sup>



<sup>a</sup>Dissemination Area (DA): small geographic area composed of one or more neighbouring blocks.

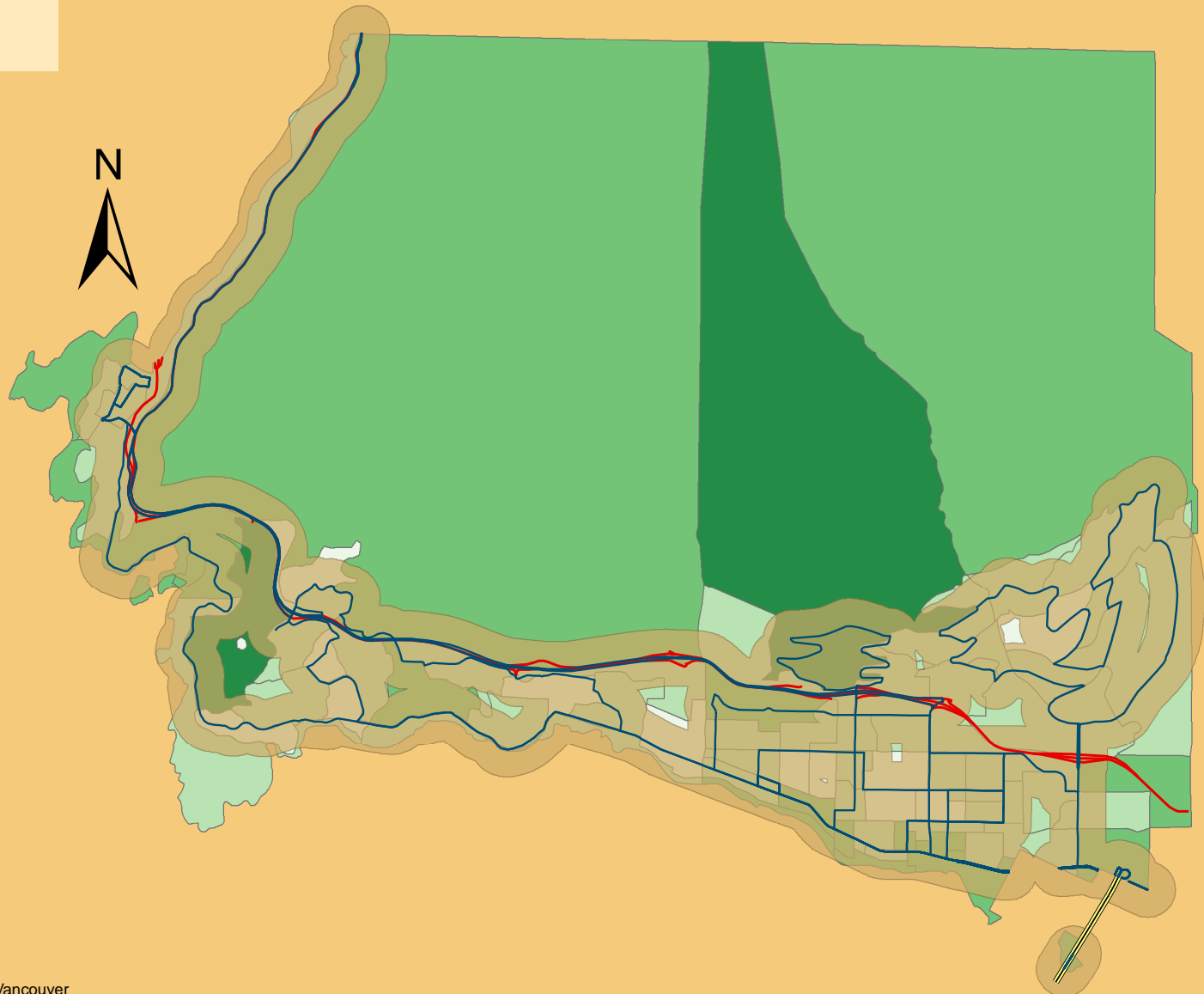
<sup>c</sup>Excluding Bowen Island and Lions Bay.

Trans Canada Highway  
 Bridge

Transit Route Buffer (300 m)\*  
 Transit Route\*\*

\*Determined by community coalition representatives as a suitable walking distance to transit route access for the selected age cohort.

\*\*Component of a community; municipal; or regional transit system.



**Sources:** 2006 Census of Canada, Statistics Canada  
Transit route data provided by TransLink (2008)  
Neighbourhood boundaries provided by District of North Vancouver  
Streets data provided by District of North Vancouver  
Colour scheme selected from ColorBrewer  
Map prepared by North Shore Community Resources

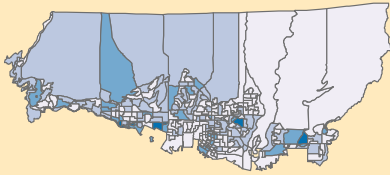
0 0.5 1 2 3 4 Kilometers

# Transit Routes

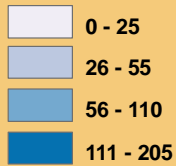
## (West North Shore, Burrard Inlet, BC)

Seniors in Communities Project, 2009

North Shore Seniors Coalition



Number of persons age  
75 to 84 within each DA<sup>a, c</sup>



<sup>a</sup>Dissemination Area (DA): small geographic area composed of one or more neighbouring blocks.

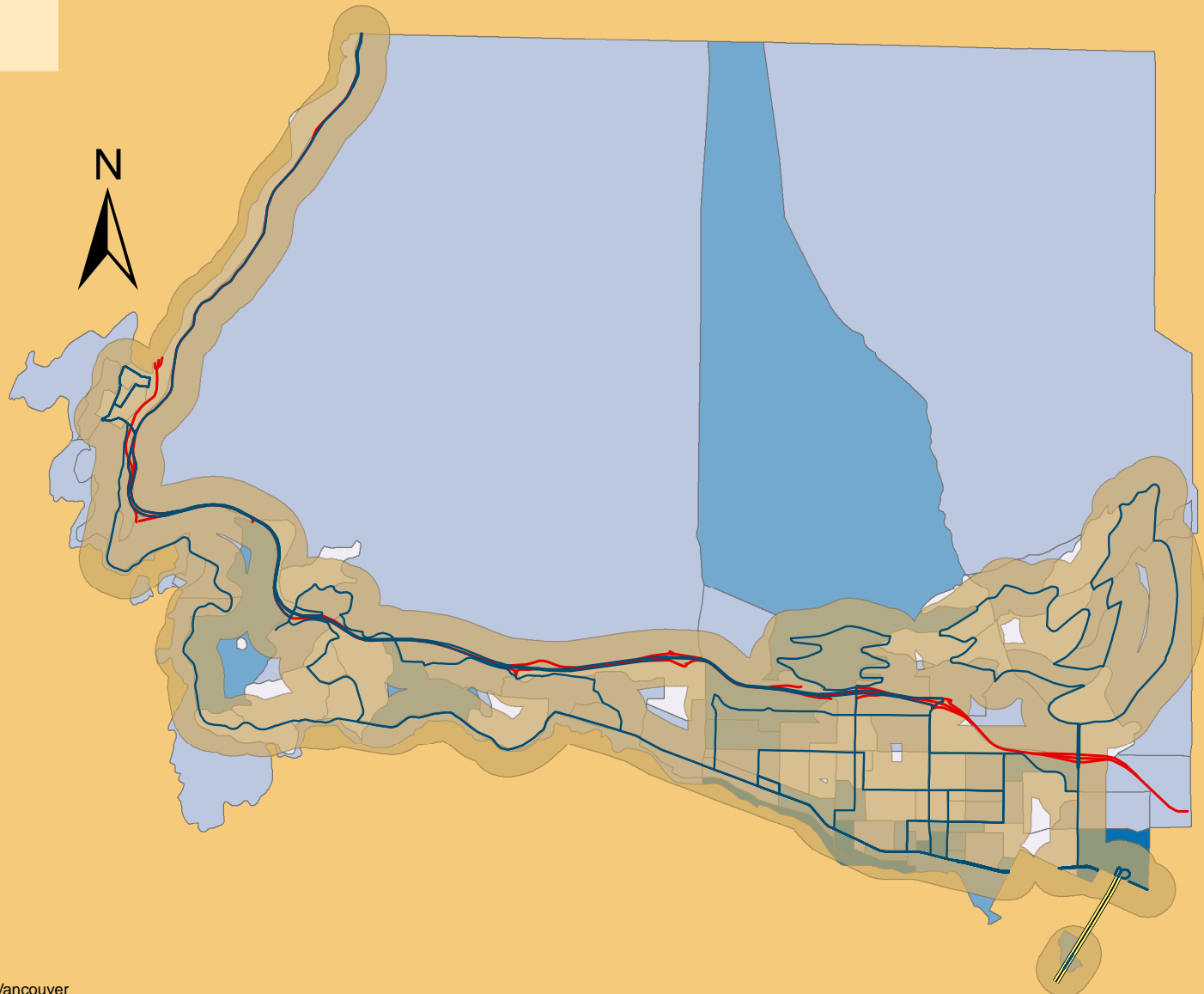
<sup>c</sup>Excluding Bowen Island and Lions Bay.

Trans Canada Highway  
 Bridge

Transit Route Buffer (300 m)\*  
 Transit Route\*\*

\*Determined by community coalition representatives as a suitable walking distance to transit route access for the selected age cohort.

\*\*Component of a community; municipal; or regional transit system.



**Sources:** 2006 Census of Canada, Statistics Canada  
Transit route data provided by TransLink (2008)  
Neighbourhood boundaries provided by District of North Vancouver  
Streets data provided by District of North Vancouver  
Colour scheme selected from ColorBrewer  
Map prepared by North Shore Community Resources

0 0.5 1 2 3 4 Kilometers

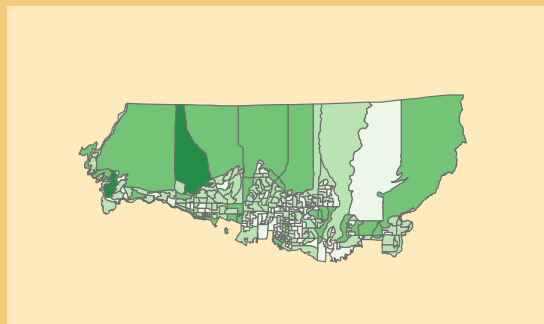


# Transit Routes

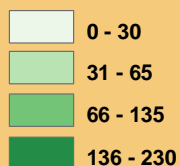
## (Central North Shore, Burrard Inlet, BC)

Seniors in Communities Project, 2009

North Shore Seniors Coalition



Number of persons age  
65 to 74 within each DA<sup>e, c</sup>



<sup>e</sup>Dissemination Area (DA): small geographic area composed of one or more neighbouring blocks.

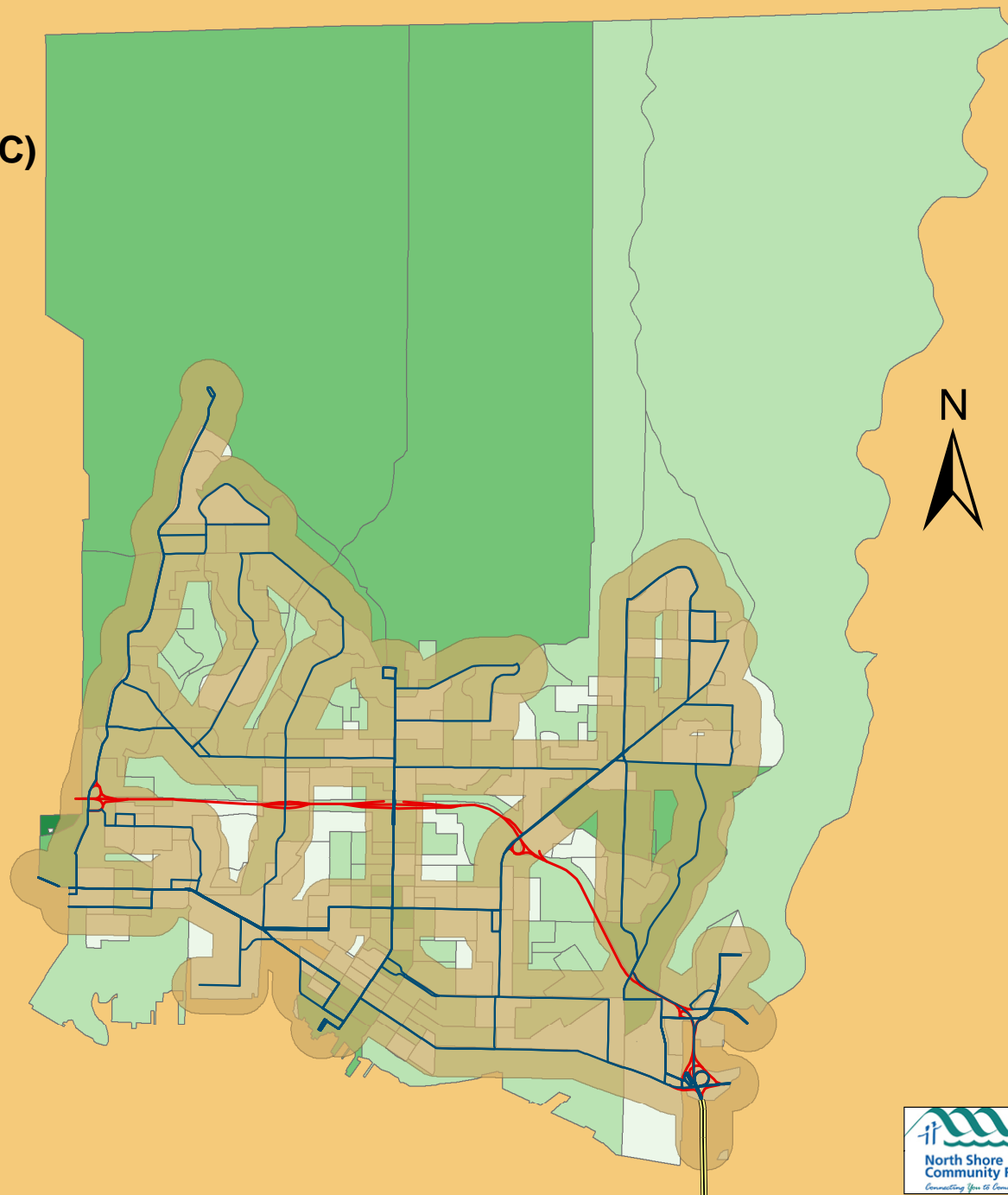
<sup>c</sup>Excluding Bowen Island and Lions Bay.

— Trans Canada Highway  
— Bridge

Transit Route Buffer (300 m)\*  
— Transit Route\*\*

\*Determined by community coalition representatives as a suitable walking distance to transit route access for the selected age cohort.

\*\*Component of a community; municipal; or regional transit system.



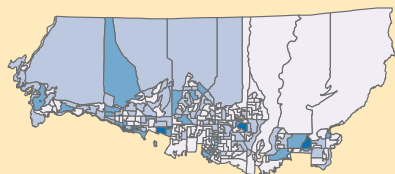
**Sources:** 2006 Census of Canada, Statistics Canada  
Transit route data provided by TransLink (2008)  
Neighbourhood boundaries provided by District of North Vancouver  
Streets data provided by District of North Vancouver  
Colour scheme selected from ColorBrewer  
Map prepared by North Shore Community Resources

# Transit Routes

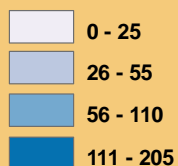
## (Central North Shore, Burrard Inlet, BC)

Seniors in Communities Project, 2009

North Shore Seniors Coalition



Number of persons age  
75 to 84 within each DA<sup>e, c</sup>



<sup>e</sup>Dissemination Area (DA): small geographic area composed of one or more neighbouring blocks.

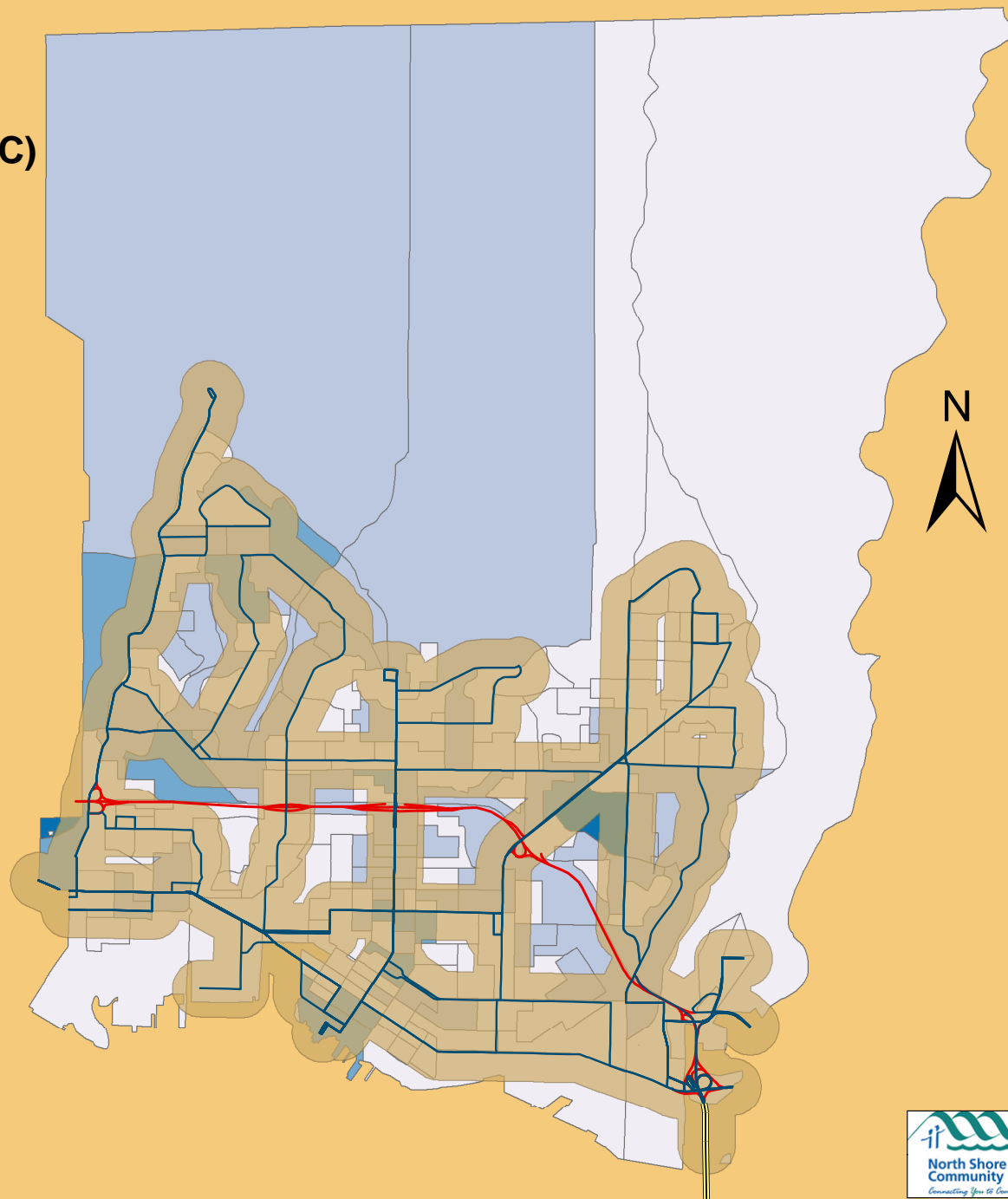
<sup>c</sup>Excluding Bowen Island and Lions Bay.

Trans Canada Highway  
 Bridge

Transit Route Buffer (300 m)\*  
 Transit Route\*\*

\*Determined by community coalition representatives as a suitable walking distance to transit route access for the selected age cohort.

\*\*Component of a community; municipal; or regional transit system.



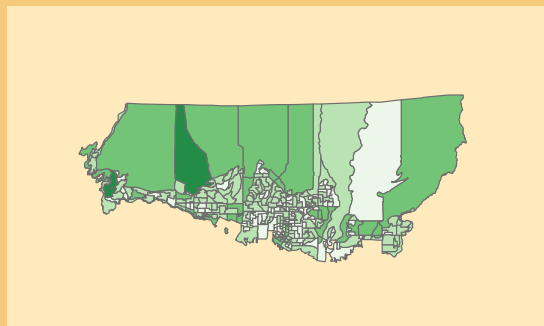
**Sources:** 2006 Census of Canada, Statistics Canada  
Transit route data provided by TransLink (2008)  
Neighbourhood boundaries provided by District of North Vancouver  
Streets data provided by District of North Vancouver  
Colour scheme selected from ColorBrewer  
Map prepared by North Shore Community Resources

# Transit Routes

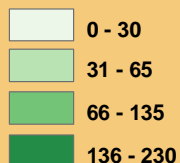
## (East North Shore, Burrard Inlet, BC)

Seniors in Communities Project, 2009

North Shore Seniors Coalition



Number of persons age  
65 to 74 within each DA<sup>e, c</sup>



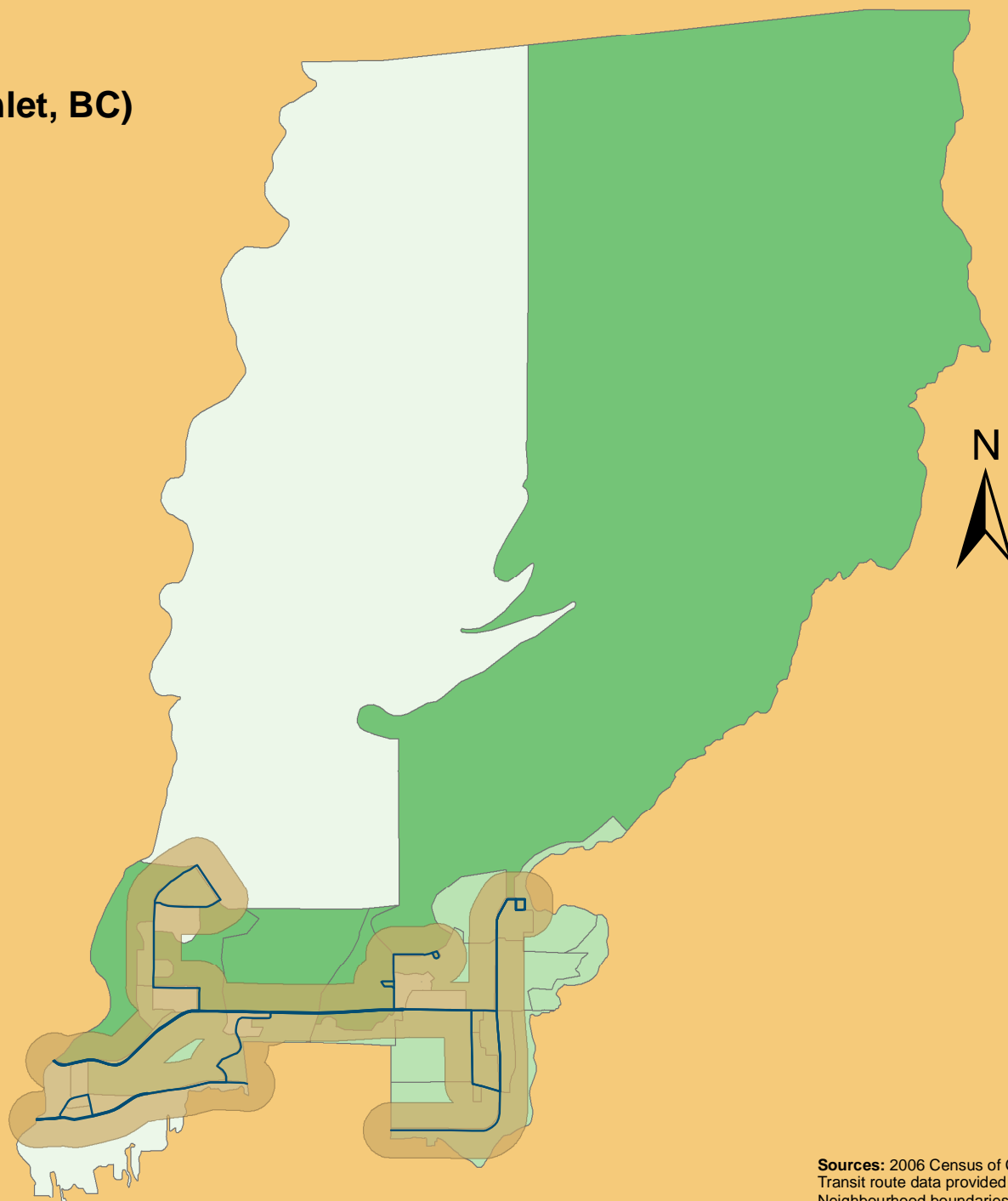
<sup>e</sup>Dissemination Area (DA): small geographic area composed of one or more neighbouring blocks.

<sup>c</sup>Excluding Bowen Island and Lions Bay.



\*Determined by community coalition representatives as a suitable walking distance to transit route access for the selected age cohort.

\*\*Component of a community; municipal; or regional transit system.



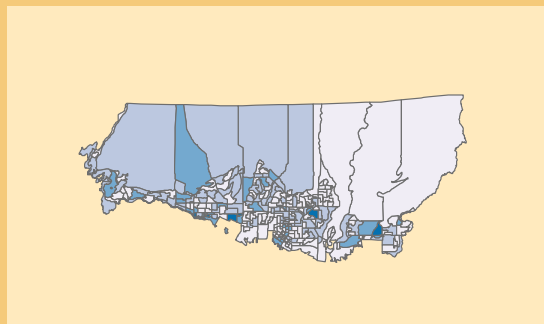
**Sources:** 2006 Census of Canada, Statistics Canada  
Transit route data provided by TransLink (2008)  
Neighbourhood boundaries provided by District of North Vancouver  
Streets data provided by District of North Vancouver  
Colour scheme selected from ColorBrewer  
Map prepared by North Shore Community Resources

# Transit Routes

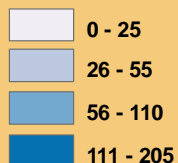
## (East North Shore, Burrard Inlet, BC)

Seniors in Communities Project, 2009

North Shore Seniors Coalition



Number of persons age  
75 to 84 within each DA<sup>e, c</sup>



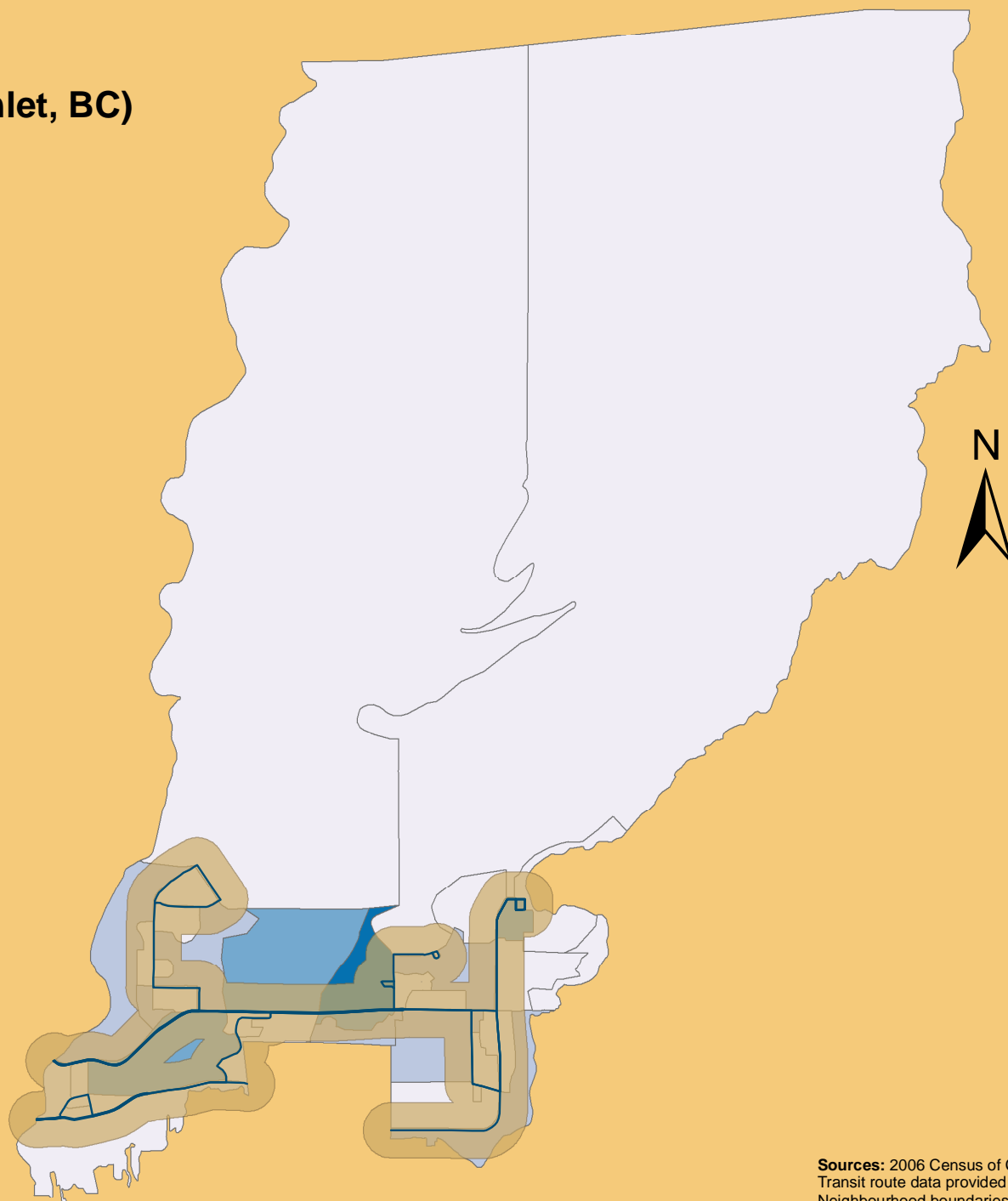
<sup>e</sup>Dissemination Area (DA): small geographic area composed of one or more neighbouring blocks.

<sup>c</sup>Excluding Bowen Island and Lions Bay.



\*Determined by community coalition representatives as a suitable walking distance to transit route access for the selected age cohort.

\*\*Component of a community; municipal; or regional transit system.



**Sources:** 2006 Census of Canada, Statistics Canada  
Transit route data provided by TransLink (2008)  
Neighbourhood boundaries provided by District of North Vancouver  
Streets data provided by District of North Vancouver  
Colour scheme selected from ColorBrewer  
Map prepared by North Shore Community Resources

## ***Analysis Category: Low Income Status***

### **Mapping Information**

The following low-income data was mapped:

- ***Note: No similar maps were generated in the previous 85+ mapping work***
- Economic families or persons (not in economic families) who spend 20% or more of their after-tax income than average on food, shelter, and clothing as defined in the 2006 Census of Canada; indicator not applicable to Aboriginal Reserves
- Small geographic area composed of one or more neighbouring blocks
- Note: data unavailable for certain areas
- Map prepared by North Shore Community Resources

### **Maps Generated for Analysis**

The following map(s) were created (one map in total):

- Concentration of seniors 65+ with low-income status

### **General Observations**

- A significant number (21-60) of seniors live in the Panorama area in the British Properties meeting the low-income status criteria
- Other neighbourhoods that meet the high number (61 – 135) of ‘low income’ seniors are:
  - Some areas in the North Shore where seniors housing is located
  - A neighbourhood south of 29<sup>th</sup> and east of Mountain Highway in the Eastview area
- Neighbourhoods that meet the second highest number (21 – 60) of ‘low income’ seniors are:
  - A neighbourhood just south of Deep Cove
  - Pockets of neighbourhoods in Norgate
  - Lower Capilano Road and Marine Drive
  - Pockets of densely populated areas along Marine Drive in West Vancouver and Lonsdale in North Vancouver

### **Context and Analysis**

- Despite public pension benefits, many low income seniors find it hard to make ends meet
- Seniors are impacted by the rising cost of food and energy, forcing some to cut back on basic necessities
- Eligibility criteria that assists low income seniors are not well coordinated between levels of government; this adds a complexity around a seniors’ ability to self-advocate, invest time in researching and determining optimum thresholds and the best choices

- In Metro Vancouver, the North Shore is socio-economically one of the wealthiest communities; this may challenge the belief that there are seniors in the area who meet the criteria for persons and families age 65 and older with low income status
- If a senior fits the stated criteria for 'low income' and resides in the British Properties or Panorama area, as a significant number of 'low income' seniors do, there may be a risk for some seniors having a psychological barrier or dissonance with the idea of accessing various services or programs or feeling entitled to accessing such services
- Further, individuals working in the social service sector, government sector and other service delivery bodies may also have feelings, judgments or theories as to why a senior living at such an address would require "free" or subsidized programming. Consciously or unconsciously, the worker may lower the priority of such seniors in the case of wait lists by making wrong assumptions about their ability to pay for services or that another senior who lives in a different part of the North Shore requires the support more
- To fit the criteria of "low income status" a senior aged 65 or older must spend 20% or more of their after-tax income than average on food, shelter, and clothing as defined in the 2006 Census of Canada. Clearly, a senior has limitations on his or her good health if their food budget is not adequate. Many seniors require strong pharmaceutical drugs for serious age-related health issues such as heart care, cardiovascular functioning, and for diseases such as diabetes. The requirement for healthy eating for these seniors is pivotal to their longevity and quality of life. Therefore, the "low income status" has a impact in many ways: good nutrition, the ability to purchase pharmaceutical drugs – especially optional drugs for innovative cancer treatments – purchase preventative mobility aids, new shoes, and other items contribute to a more comfortable, safer and healthier life (Also of note is the definition of low income status does not account for seniors who may be spending less than 20% on those necessities measured, but greatly more than their income would accommodate for medication and other items that impact quality of life)
- Furthermore, low-income seniors may find it too expensive to heat their homes properly in the winter, making them more susceptible to illness. Lastly, low-income seniors may not be able to retain their independence and chances of accidents and falls, by renovating or adapting their houses to meet changing health needs as they age (thus also affecting healthcare system costs)

## **Signposts for Consideration**

- All of the analysis material serve as signposts for consideration (see above). Seniors of a "low income status" have inherent risks which increase other risks. For example, managing a disease as a low income status senior increases the need for good nutrition. If good nutrition is not available in a consistent way due to cost, there is an increased risk to the management of the disease to the low income senior. Potentially the disease for a low income senior will have a greater impact on the low income senior in comparison to a higher income senior.

- The same low-income status concern may exist for seniors with respect to issues of pharmaceutical care, preventative health and safety, and so forth, making these seniors more vulnerable.
- The perception issues around low-income status may influence seniors in a negative way, and possibly create negative barriers around accessing services and programs that could be helpful and supportive to them.

## **Maps**

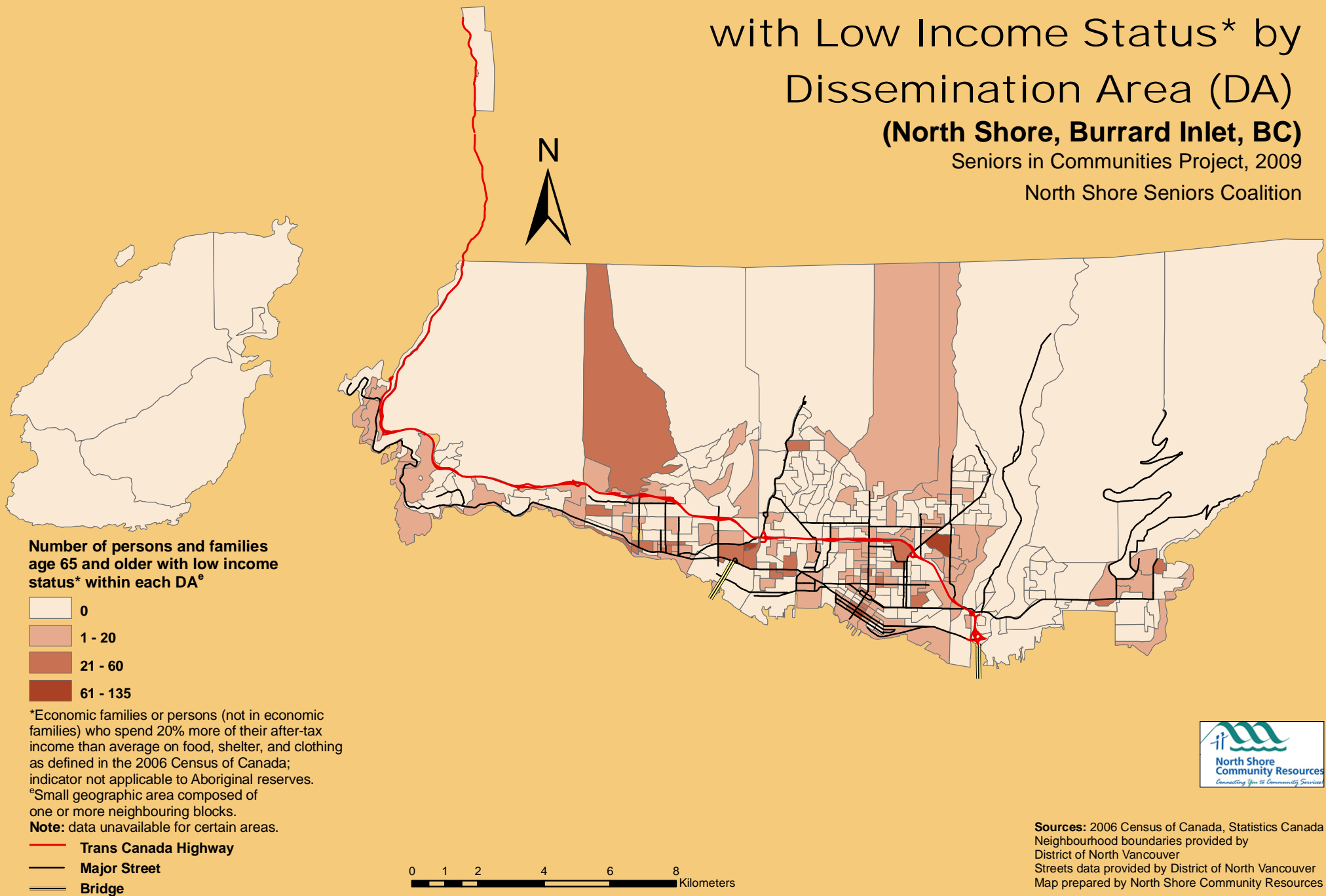
See following pages.

# Concentration of Persons and Families Age 65 and Older with Low Income Status\* by Dissemination Area (DA)

**(North Shore, Burrard Inlet, BC)**

Seniors in Communities Project, 2009

North Shore Seniors Coalition



**Sources:** 2006 Census of Canada, Statistics Canada  
Neighbourhood boundaries provided by District of North Vancouver  
Streets data provided by District of North Vancouver  
Map prepared by North Shore Community Resources



## ***Analysis Category: Education***

### **Mapping Information**

The following Education data was mapped:

- ***Note: No High School Certificate or Equivalent maps were generated in the previous 85+ mapping work***
- Classified as junior or senior matriculation, general or technical-commercial in the 2006 Census of Canada
- Data unavailable for certain areas

### **Maps Generated for Analysis**

The following map(s) were created (one map in total):

- Concentration of Persons Age 65 + without High School Certificate or Equivalent\* by Dissemination Area (DA)

### **General Observations**

- The most concentrated population (91 – 170) seniors age 65 and older live in the area south of East 29<sup>th</sup> and west of Mountain Highway in North Vancouver in the Eastview area
- The second most concentrated population of this category (31 – 90) live:
  - In neighbourhoods in what looks like a semi-circle – north, west and east—around the base of the Lions Gate Bridge
  - In the area of Gleneagles and Horseshoe Bay
  - Small pockets scattered in Lynn Valley, Norgate, Deep Cove area (south west of Deep Cove), a small area along Marine Drive in West Vancouver between 15<sup>th</sup> and 29<sup>th</sup> Street and in pockets of areas around Lonsdale

### **Context and Analysis**

- The concentration of seniors age 65 and older without a high school certificate or equivalent is generally spread throughout pockets of the North Shore
- The District of West Vancouver demonstrates a lower concentration of this population
- The highest concentration of seniors age 65 and older without a high school certificate or equivalent is in the District of North Vancouver in the Eastview neighbourhood
- There is a correlation between seniors age 65 and older without a high school certificate or equivalent and the map showing the concentration of persons and families age 65 and older with low income status, for example, the Eastview area is prominent in both maps and some of the patterns / pockets of higher populations are similar on both maps. There are differences,

such as in West Vancouver, which has a higher representation of the population on the 'low income' status, but it doesn't demonstrate high representation of those aged 65 and older without a high school certificate or equivalent

- It is likely that additional risk factors are at play with respect to lower levels of education when considering health management, safety, access to programs and services, knowledge of programs and services, and related barriers.
- In areas that have high population concentrations of both lower levels of education and high levels of 'low income' – like the Eastview Neighbourhood – there may be greater risks to seniors

### **Signposts for Consideration**

- The Eastview neighbourhood may have risk factors related to 'low income' status blended with lower levels of education and may require a tailored approach to connect seniors to relevant services and programs

### **Maps**

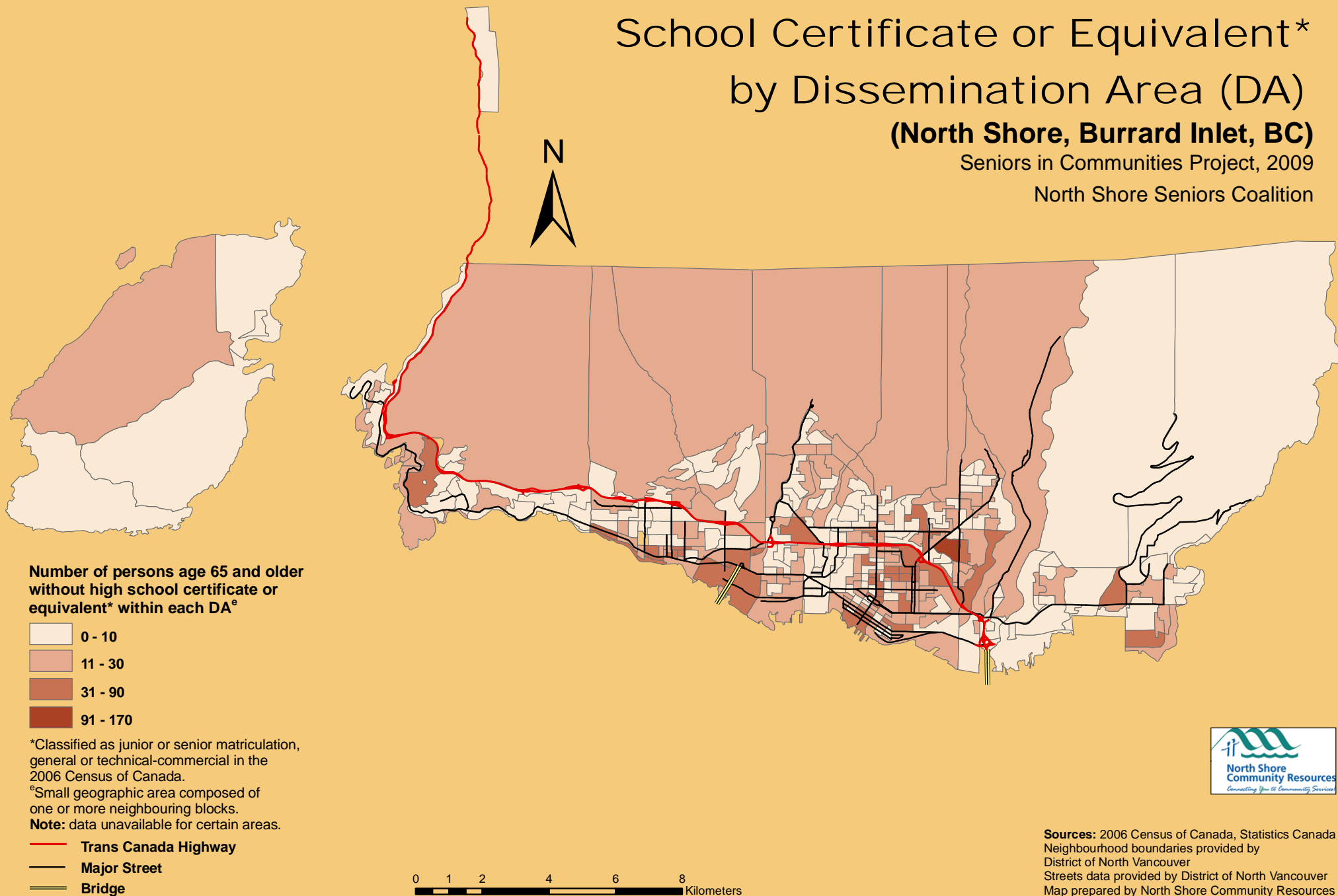
See following pages.

# Concentration of Persons Age 65 and Older without High School Certificate or Equivalent\* by Dissemination Area (DA)

**(North Shore, Burrard Inlet, BC)**

Seniors in Communities Project, 2009

North Shore Seniors Coalition



## ***Analysis Category: Languages***

### **Mapping Information**

The following language information was mapped:

- ***Note: No languages maps were generated in the previous 85+ mapping work***
- Concentration of Persons Age 65 and Older who speak a specific Language (other than English) most often at home by Dissemination Area (DA)
- Languages mapped were: Cantonese, Farsi, Korean, Mandarin, and Tagalog
- The entire North Shore, including Bowen Island and Lions Bay

### **Maps Generated for Analysis**

The following maps were created (five maps in total):

- Concentration of seniors 65+ who speak Cantonese most often at home
- Concentration of seniors 65+ who speak Farsi most often at home
- Concentration of seniors 65+ who speak Korean most often at home
- Concentration of seniors 65+ who speak Mandarin most often at home
- Concentration of seniors 65+ who speak Tagalog most often at home

### **General Observations**

- The Farsi-speaking senior population is the most prevalent of the five population groups mapped on the North Shore, in terms of numbers, densities, the number of areas/neighbourhoods where there is a significant concentration of Farsi-speaking seniors (as high as 31 – 70 seniors in a particular dissemination area)
- Cantonese-speaking seniors also make up a fairly significant population, although concentrated in less areas than Farsi-speaking seniors (as high as 21 – 30 seniors in a particular dissemination area)
- Mandarin, Tagalog and Korean-speaking seniors do not make up a large population on the North Shore and concentration of these seniors are not found in too many areas/neighbourhoods (as high as 11 – 20 in a particular dissemination area)
- Although there are concentration of Farsi-speaking seniors in many areas in the North Shore, the most substantial concentration is in the Norgate and Ambleside neighbourhoods (note that Woodcroft Towers and Park Royal Towers are located here)
- A small, but concentrated population of Cantonese-speaking seniors live in Grouse Woods neighbourhood just north of Upper Capilano (between 21 – 30 seniors)

- A small, but concentrated population of Tagalog-speaking seniors live in Lynn Valley (between 16 – 20 seniors)
- A small, but concentrated population of Korean-speaking seniors live in Central Lonsdale and Upper Lonsdale (between 11 – 15 seniors)
- A small, but concentrated population of Mandarin-speaking seniors live in a pocket of the British Properties close to the Hollyburn Country Club (between 11 – 15 seniors)

## **Context and Analysis**

- Seniors in this analysis category likely experience some very unique challenges and barriers that other seniors in the North Shore will likely not encounter. There are innate complexities when English is not your first language or a language not spoken at all, including more instances of misunderstanding or miscommunication. In relation to quality of life for seniors, these barriers can appear in the form of not understanding the services and programs available to them (a system that by nature is already hard to navigate), additional feelings of frustration, isolation, and less social interaction with the community around them.
- Generally, there are limited numbers of seniors who do not speak English as their first language on the North Shore. The numbers alone can be a factor in the feeling of social isolation of immigrant seniors.
- The fact that there are very few neighbourhoods with significant concentration of seniors of a particular immigrant group, nor areas that have concentrations of more than one immigrant group, compounds the issue of isolation. Even having others seniors who share the same immigrant experience and language difficulties provides some opportunity for community building, as they will understand what each other are going through. This kind of proximity is not happening on the North Shore either
- Difficulties in the understanding and comprehension of English cause great distress to most new immigrants to this country. The feelings of fear and vulnerability that come with not understanding the working language of where you live can be overwhelming and even more so when combined by the feelings of fear and vulnerability that also comes with aging through the senior years.
- Although some inferences can be made based on residential zoning and where certain apartment complexes are located where there are higher concentration of immigrant seniors, the mapping information does not really capture the kinds of the support systems and extended family that immigrant seniors may or may not have. When discussing how services and programs may be adjusted or improved for seniors, understanding these support and family networks is important. The mapping efforts are not able to illustrate them in any real way.
- The Farsi-speaking senior community is by far the largest of the five language groups mapped and there are opportunities to provide some targeted, efficient and effective assistance to this population of immigrant seniors.

- Outside the Farsi-speaking seniors community, much of the concentrations mapped for the other four languages are fairly small (between 0-20 seniors) and when concentrated together might in actuality be a few families together.
- The random and spread out nature of the concentrations of other language speaking seniors (for Cantonese, Korean, Mandarin, and Tagalog) are harder to interpret, but could be reflective of many seniors in these language groups living in more multi-generational households.

### **Signposts for Consideration**

- Farsi is the most significant language population for seniors 65+ and given that this particular immigrant population is so predominant on the North Shore, targeted efforts in addressing the unique needs of Farsi-speaking seniors would be an effective way to provide significant positive impacts;
- The nature of the maps indicate that concentrations of seniors speaking any of the five languages are found all across the North Shore, making concentrating efforts in particular neighbourhoods difficult to gauge and plan for; and,
- The lack of observed trends in the mapping analysis of the five languages studied (in terms of concentrations of senior populations, plus in terms of the size of concentrations, which tend to be between 1 to 20) indicates there is still more work needed in understanding the living arrangements of seniors from these cultural communities.

### **Maps**

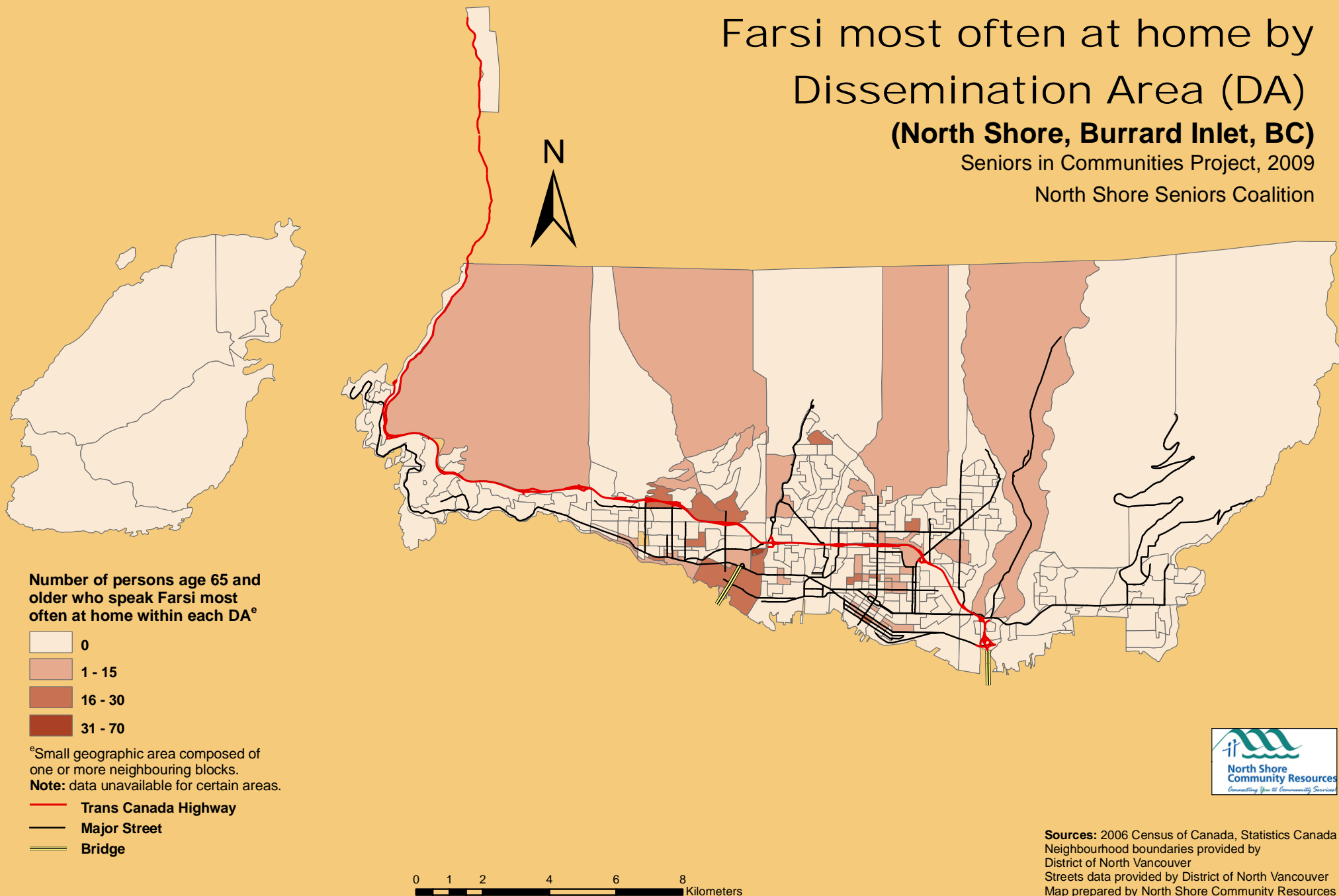
See following pages.

# Concentration of Persons Age 65 and Older who speak Farsi most often at home by Dissemination Area (DA)

**(North Shore, Burrard Inlet, BC)**

Seniors in Communities Project, 2009

North Shore Seniors Coalition



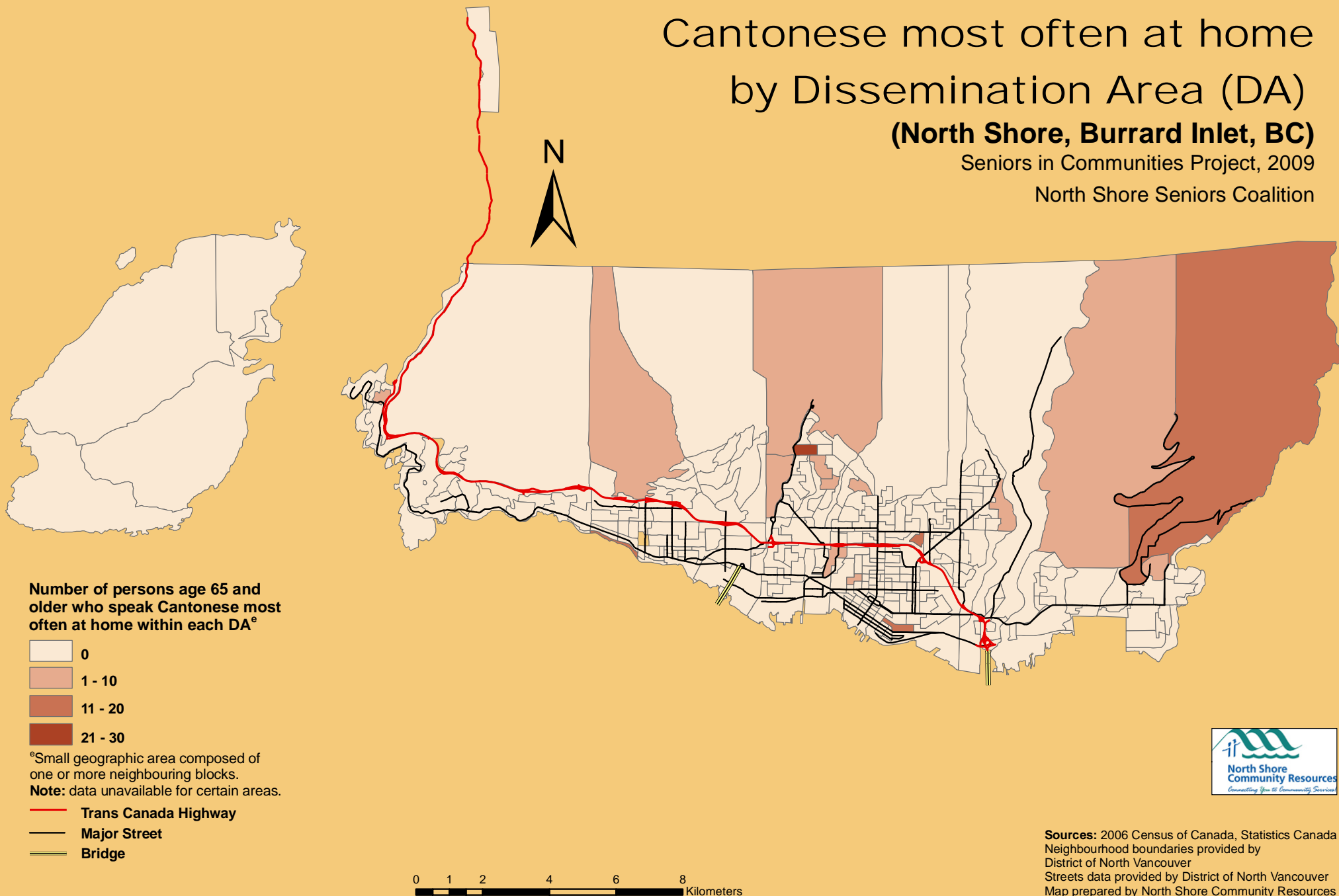
**Sources:** 2006 Census of Canada, Statistics Canada  
Neighbourhood boundaries provided by  
District of North Vancouver  
Streets data provided by District of North Vancouver  
Map prepared by North Shore Community Resources

# Concentration of Persons Age 65 and Older who speak Cantonese most often at home by Dissemination Area (DA)

**(North Shore, Burrard Inlet, BC)**

Seniors in Communities Project, 2009

North Shore Seniors Coalition



**Sources:** 2006 Census of Canada, Statistics Canada  
 Neighbourhood boundaries provided by  
 District of North Vancouver  
 Streets data provided by District of North Vancouver  
 Map prepared by North Shore Community Resources

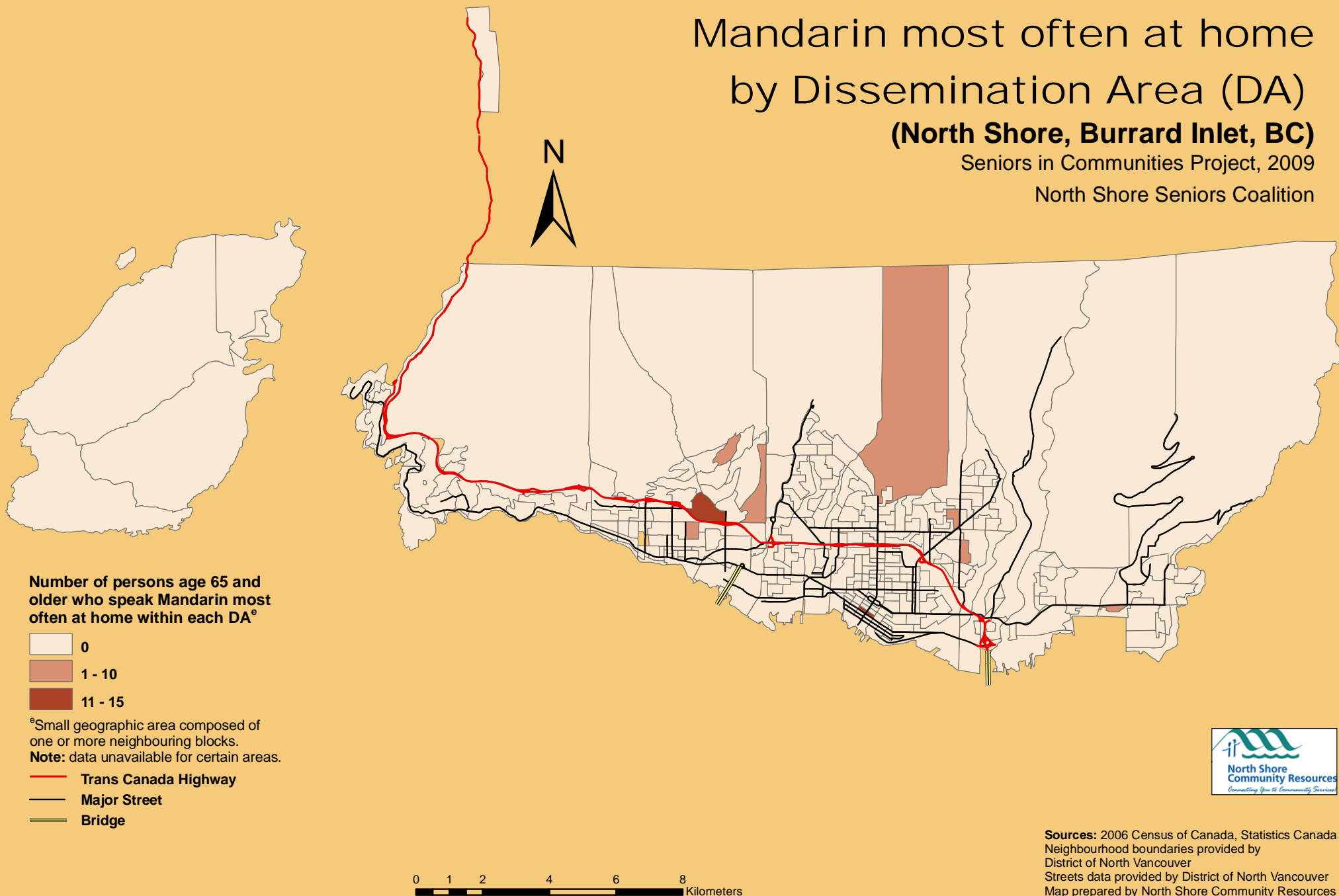


# Concentration of Persons Age 65 and Older who speak Mandarin most often at home by Dissemination Area (DA)

**(North Shore, Burrard Inlet, BC)**

Seniors in Communities Project, 2009

North Shore Seniors Coalition



**Sources:** 2006 Census of Canada, Statistics Canada  
Neighbourhood boundaries provided by  
District of North Vancouver  
Streets data provided by District of North Vancouver  
Map prepared by North Shore Community Resources

# Concentration of Persons Age 65 and Older who speak Tagalog most often at home by Dissemination Area (DA)

**(North Shore, Burrard Inlet, BC)**

Seniors in Communities Project, 2009

North Shore Seniors Coalition

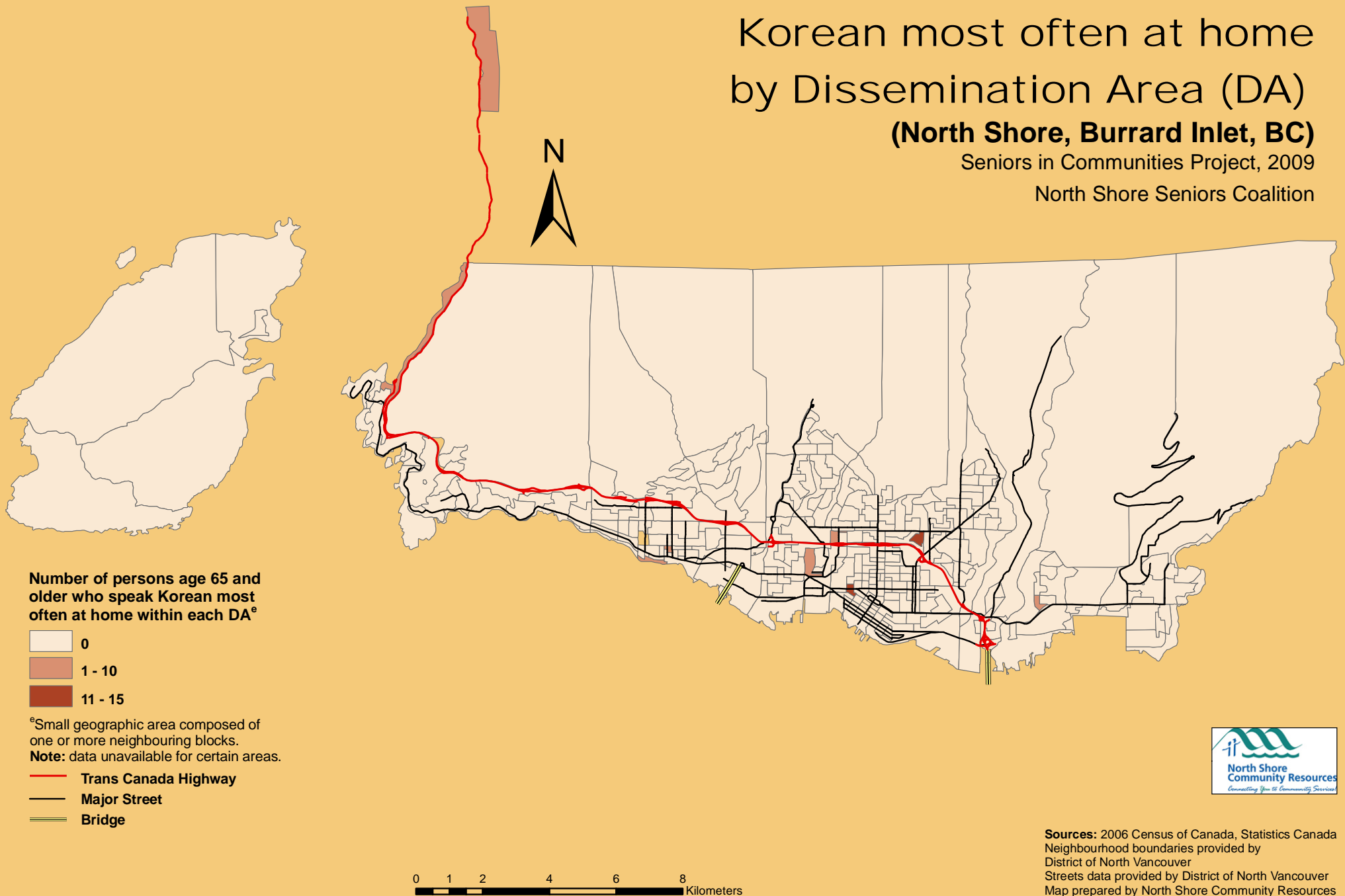


# Concentration of Persons Age 65 and Older who speak Korean most often at home by Dissemination Area (DA)

**(North Shore, Burrard Inlet, BC)**

Seniors in Communities Project, 2009

North Shore Seniors Coalition



# Appendix

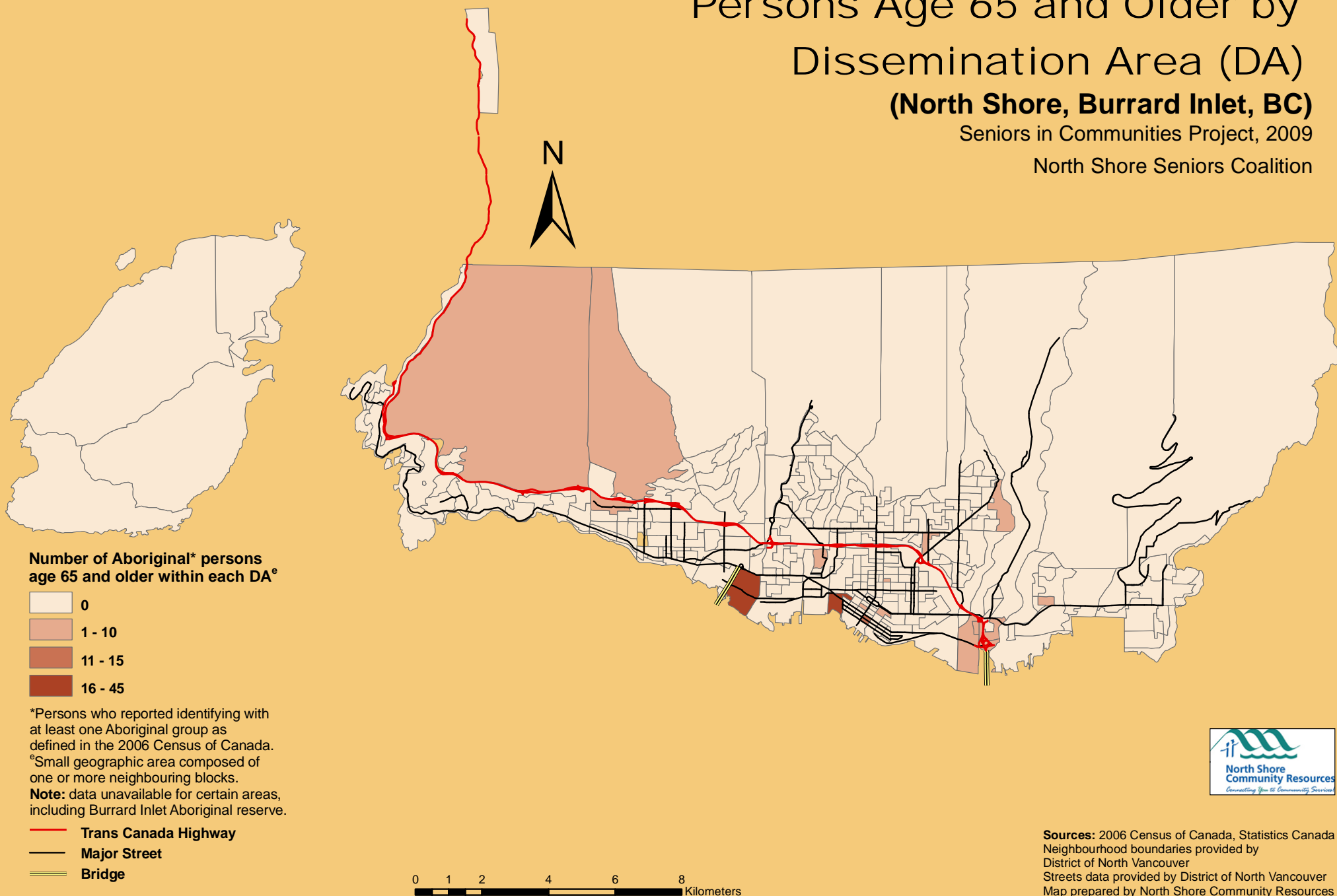
## ***Additional Map – Aboriginal***

This map does not have comprehensive or complete information and therefore we are unable to comment on this map in a meaningful way. The map produced follows on the next page.

# Concentration of Aboriginal\* Persons Age 65 and Older by Dissemination Area (DA) (North Shore, Burrard Inlet, BC)

Seniors in Communities Project, 2009

North Shore Seniors Coalition



**Sources:** 2006 Census of Canada, Statistics Canada  
 Neighbourhood boundaries provided by District of North Vancouver  
 Streets data provided by District of North Vancouver  
 Map prepared by North Shore Community Resources