

# Marpole Residential Development Capacity Estimates

The residential development capacity of a neighbourhood, or how much new housing could be constructed in the area, can be estimated in two ways – by looking at development capacity or zoned capacity.

## Development Capacity Model (estimate to 2041)

This is the City’s standard approach for estimating growth. The model is a supply-based approach that forecasts to 2041. It is based on actual rates of development and takes into account constraints in identifying redevelopment sites (e.g. Rate of Change Policy for Rental Housing). It also reflects existing City land use policy in addition to current zoning.

## Zoned Capacity Calculation

The zoned capacity calculation is in response to the February 2012 Council motion requesting these estimates. This model is a supply-based approach that has no time constraints. It ignores existing City land use policy and is simply a “build-out calculation” that assumes the maximum residential floor space could be built on each site based on existing zoning.



For the Marpole community planning process, which is currently underway, the following estimates are based on existing policy and current zoning rather than any potential outcomes of the planning process.

Zone	2011		Development Capacity Model to 2041		Zoned Capacity Calculation	
	Population Estimate*	Dwelling Count†	Population Estimate**	Dwelling Estimate	Population Capacity**	Dwelling Capacity
<b>Single Family (RS)</b>	11,510	3,569	12,610	4,200	15,700	5,300
<b>Single-Family (RS) laneway</b>	-	-	410	270	4,400	2,800
<b>Duplex (RT)</b>	2,840	1,050	2,800	1,100	4,200	2,400
<b>Apartment (RM)</b>	8,180	5,028	8,200	5,040	8,200	5,040
<b>Mixed Commercial/ Residential (C &amp; MC)</b>	610	391	1,250	870	4,800	3,360
<b>Comprehensive Development (CD-1)</b>	1,640	622	6,400	4,000	3,310	1,960
<b>Total</b>	<b>24,780</b>	<b>10,660</b>	<b>31,670</b>	<b>15,480</b>	<b>40,610</b>	<b>20,860</b>

**Disclaimer:** The table reflects a set of calculations as of October 2012. As zoning and policy is subject to regular change, the table only reflects a point in time.

\* Population figures are estimated as zoning district boundaries and census blocks do not match. Data is based on Statistics Canada Census 2011 and includes a four per cent undercount.

† Dwelling count is calculated from BC Assessment records and City of Vancouver development tracking.

†† The maximum population capacity is determined using an estimate of floor space per person.

*continued on next page*

**Assumptions used in the estimates of future Marpole population and number of dwellings**

**A number of assumptions factor into the estimates of future population and dwellings. Illustrated examples comparing the two models are included on the next page.**

**1. DEVELOPMENT CAPACITY MODEL TO 2041**

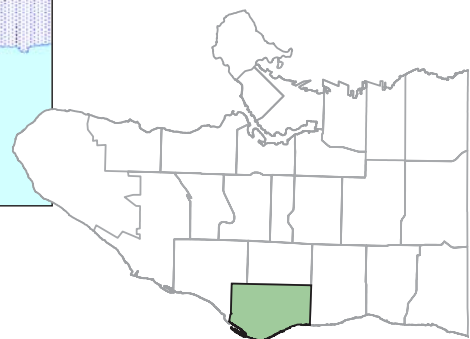
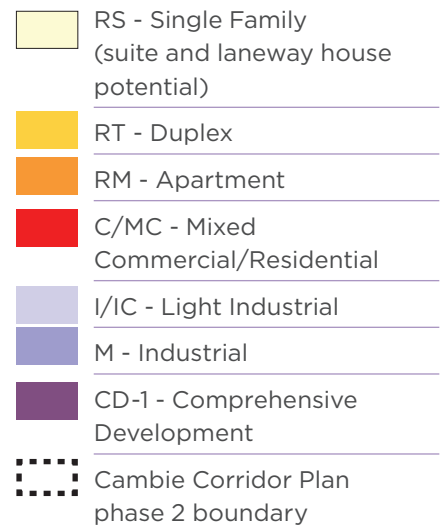
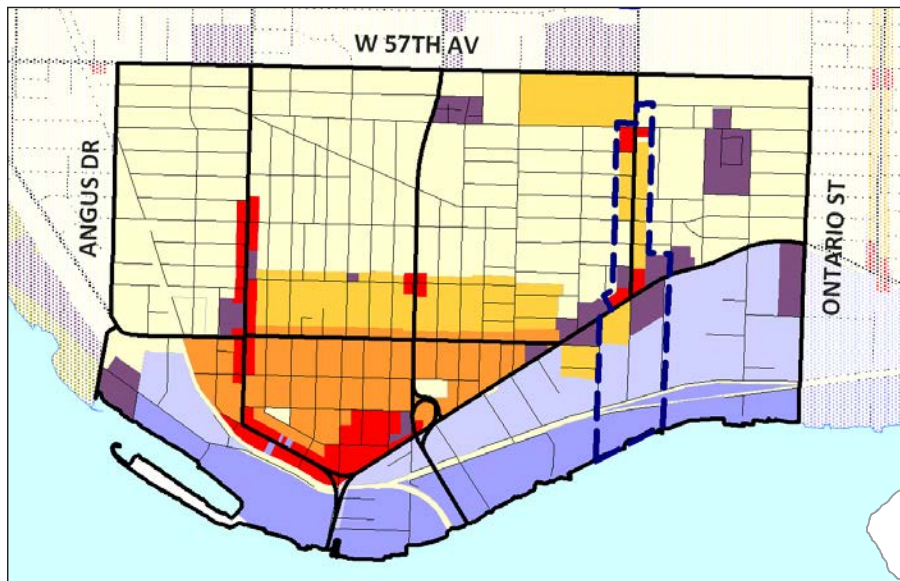
- a) Estimates include projects: completed since 2011, under construction, approved for development but not yet started, and ones allowed under policy direction in the Cambie Corridor Plan. These all represent population capacity. An example in Marpole is the redevelopment of the Safeway supermarket at Granville Street and West 70th Avenue.
- b) Single-family (RS) zones permit the development of a suite. At a rate of one per cent each year, approximately 30 per cent of land parcels would be redeveloped by 2041 at the maximum permitted density. This reflects the average rate and scale of development in the RS zones in recent years.
- c) Laneway houses are currently permitted in RS-1 and RS-5 zones where the property has a lane. Since the change in zoning, 230 laneway houses have been developed each year across the city. It is assumed that the same rate of development will continue across the city over the next 30 years.

- d) Apartment (RM) zones currently have a restriction on the redevelopment of property which requires 100 per cent replacement or 'zero rate of change' of existing rental housing. This restriction applies to all projects with six or more dwellings. Stratified development was excluded from development consideration. Capacity in the RM zones was calculated by applying the rate of development experienced in the past 10 years to the remaining RM development sites.

**2. ZONED CAPACITY CALCULATION**

- a) Parks, schools, and institutional sites were removed from calculations.
- b) It is assumed that every existing land parcel is built to its maximum permitted residential density.
- c) Development is unconstrained by time.
- d) Existing policies for retention and protection of heritage as well as existing rezoning policies such as the Cambie Corridor Plan were not taken into consideration.

**Marpole Zoning Map**





# Comparing the City's Development Capacity Model with Zoned Capacity Calculation

## EXAMPLE 1: St. Paul's Hospital

### Development Capacity Model to 2041



Assumes the site remains a hospital with 4,700 jobs.

### Zoned Capacity Calculation



Assumes the site would be redeveloped with residential units for 2,500 people, resulting in the loss of 4,700 jobs.

## EXAMPLE 2: Laneway Housing

### Development Capacity Model to 2041



Assumes growth of 10,000 people by 2041 based on actual rate of development of 230 units per year.

### Zoned Capacity Calculation



Assumes all laneway houses would be redeveloped, adding 88,000 people but it could take 300 years to build out.

## EXAMPLE 3: Little Mountain

### Development Capacity Model to 2041



Assumes build-out based on recently adopted policy which allows rezoning and redevelopment to create 1,475 to 1,625 units.

### Zoned Capacity Calculation



Assumes no rezoning as the Little Mountain policy is not taken into account. Illustration represents development at existing zoning which allows approximately 970 units.