

Public transport maps which communicate the Auckland population served by the Mt Eden train station (walkers, bus commuters, and cyclists).

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Fri10-12am



1.1 Population which lives within walking distance of the Mt. Eden catchment

Map 1.1 shows The walking distance catchment for the Mt. Eden station is using the 85th percentile walking distance defined by Burke & Brown (2007) which has an area of 1.5 km

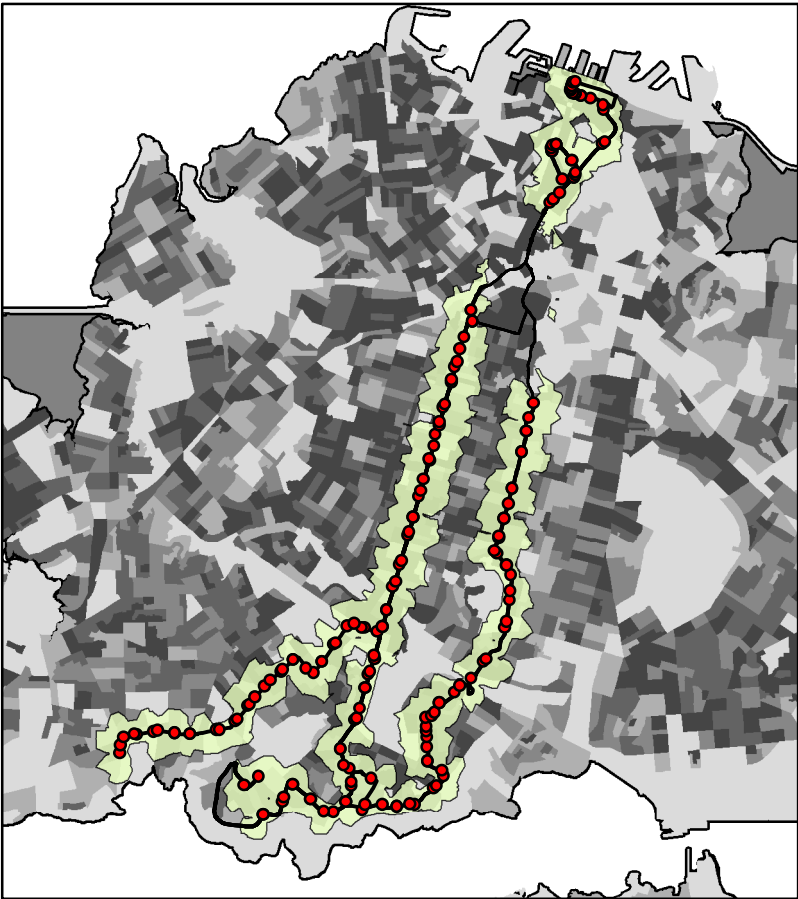


- Mount Eden Station
- Polygons selection
- Rail Network

0 0.75 1.5 3 Kilometers
1:50,000

Map 1.2 shows stops along the 258,267,274 and 277 bus routes serving the Mt. Eden train station. These stops are outside walking distance but are within a 15 minute bus commute to the Mt. Eden train station.

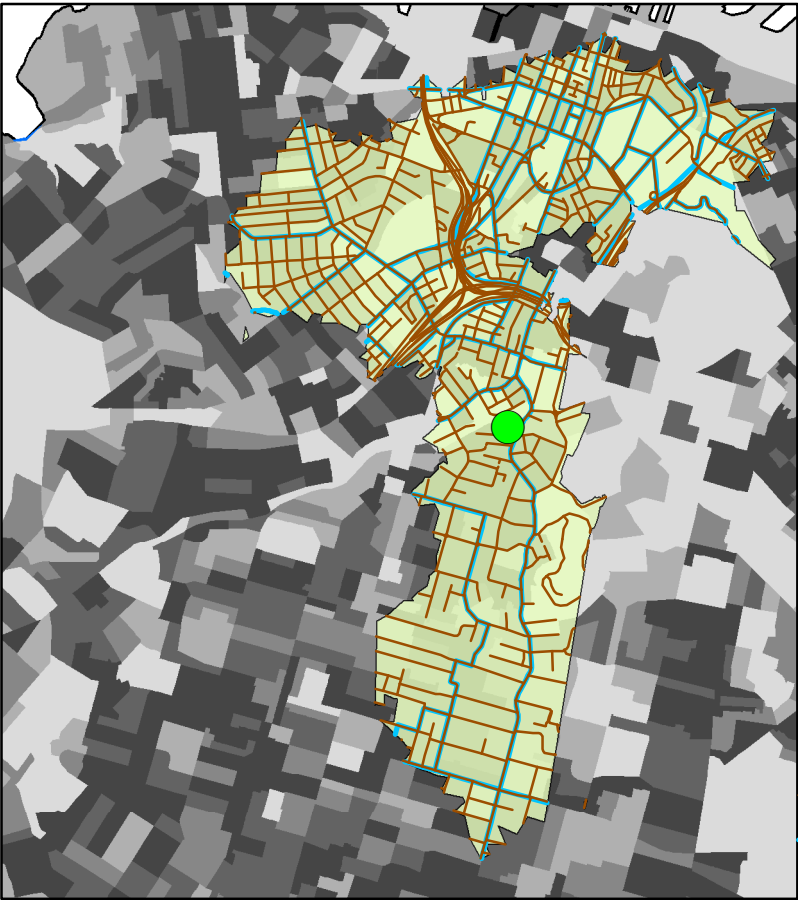
1.2 Population which lives outside walking distance of the Mt. Eden station catchment but able to commute via Bus (within 15 minutes) to the Mt. Eden station



- Bus stops
- Bus service area
- Bus routes

0 1.5 3 6 Kilometers
1:100,000

1.3 Individuals that are able to cycle within 3 km of the Mt. Eden train station via cycle networks and roads



- Mount Eden Station
- Road_clip_reasonable
- Clipped_cycle_network
- 15 minute cycle ride service area

0 0.5 1 2 Kilometers
1:50,000

Map 1.3 shows the polygon in which potential cyclists that live outside walking distance to Grafton and Kingsland train stations but still within the Mt. Eden catchment.

The area of the catchment is 3 km based on the average speed of the Auckland cyclist (12 km/hr), the ability to reach the Mt. Eden catchment within 15 minutes by navigating partly or completely via designated cycle routes.

The number of potential cyclists (number of individuals not already within walking distance of the two competing train stations, Kingsland or Grafton, but still potentially within the walking catchment of Mt. Eden) are served by cycle access are estimated to be at 34881 possible cyclists.

The use of Centroid Containment to solve the estimated percentage population of the combined transportations (Bus, walking and cycling) that is served by the Mt. Eden train station is 8.26%