

Residential Crown property and its relationship with market value

NZEUC 2018

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"Leave the beaten track behind occasionally and dive into the woods... You will be certain to find something you have never seen before." **Alexander Graham Bell**



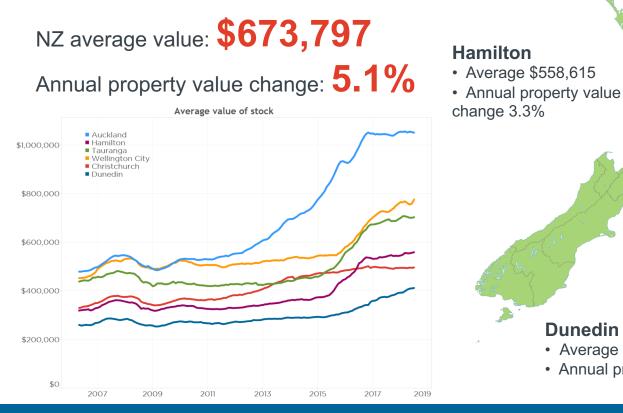
Every time you dive into the data you will find something new.

2 million properties in NZ 1.58 million are residential

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Residential Property Values



Auckland region

- Average \$1,050,778
- Annual property value change 0.6%

Tauranga

- Average \$702,850
- Annual property value change 1.7%

Wellington

- Average \$775,711
- Annual property value change 7.1%

Christchurch

- Average \$495,692
- Annual property value change 0.1%

Dunedin

- Average \$411,669
- Annual property value change 10.1%

Values as at Jul 31st 2018

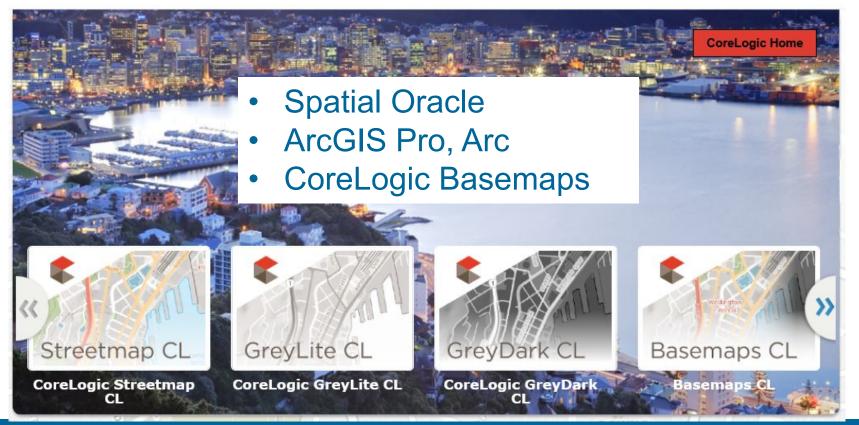
What is the relationship between Crown owned housing and market value and what is the impact on Affordability?

Visualisations:

- 1. Automated Valuation Model (AVM)
- 2. Crown Owned HNZ Properties
- 3. Retirement Homes
- 4. Historical Places
- 5. Recreational Crown Land



Tools and Layers

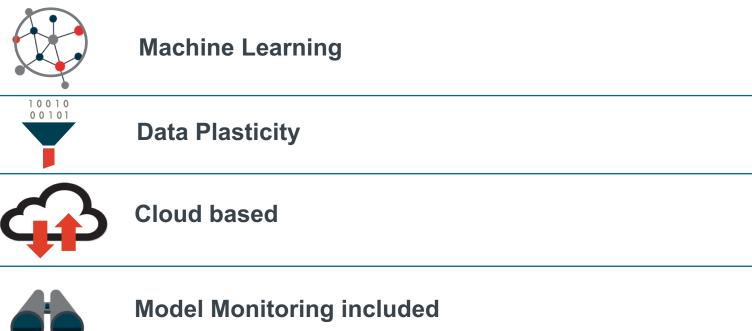


Visualisation 1: Automated Valuation Model (AVM):

Affordability

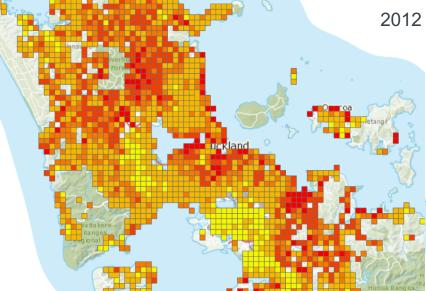
Our AVM was the primary input







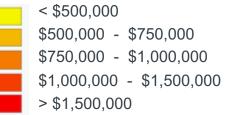
Adaptable to new markets

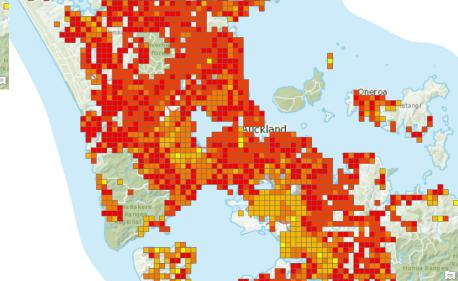


Auckland Change in AVM Property Values

2017

Property Values - Auckland





Wellington Change in AVM Property Values

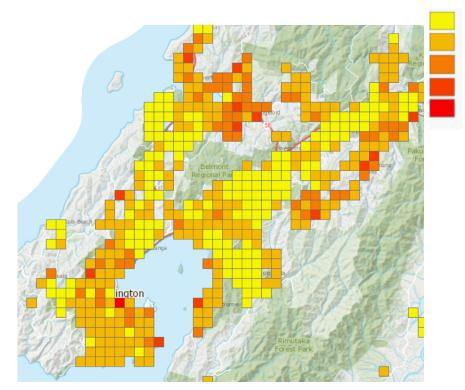
< \$500,000

> \$1,500,000

\$500,000 - \$750,000 \$750,000 - \$1,000,000 \$1,000,000 - \$1,500,000

inaton

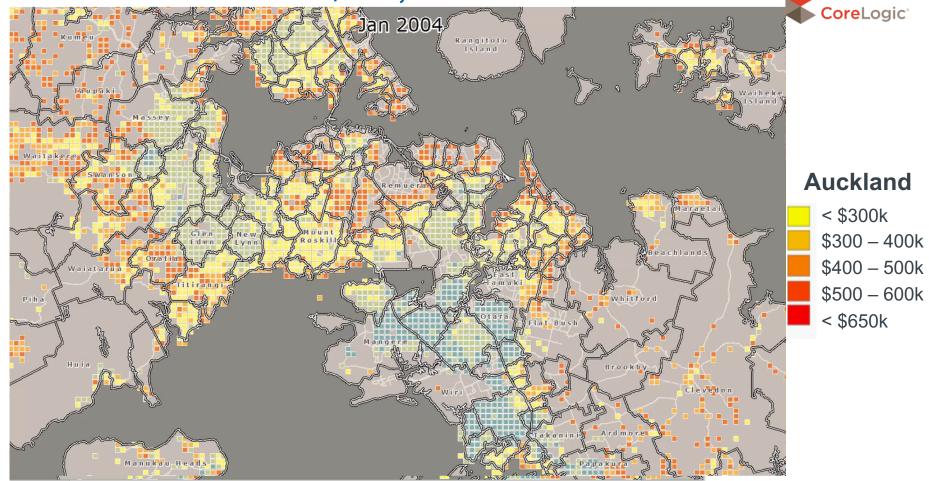






2017

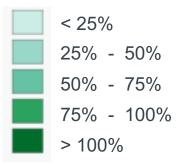
Affordable Homes < \$650,000

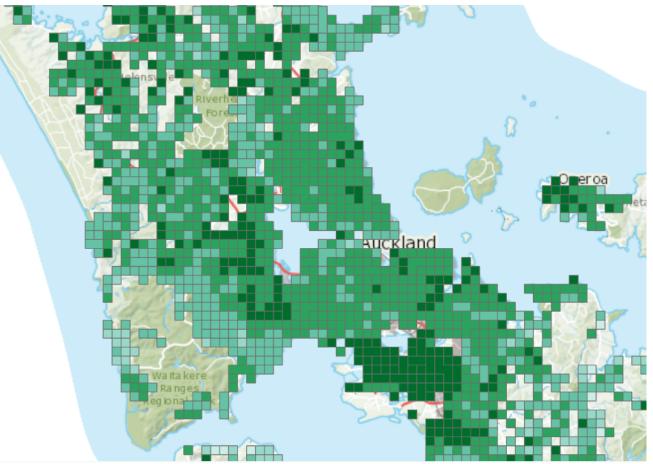




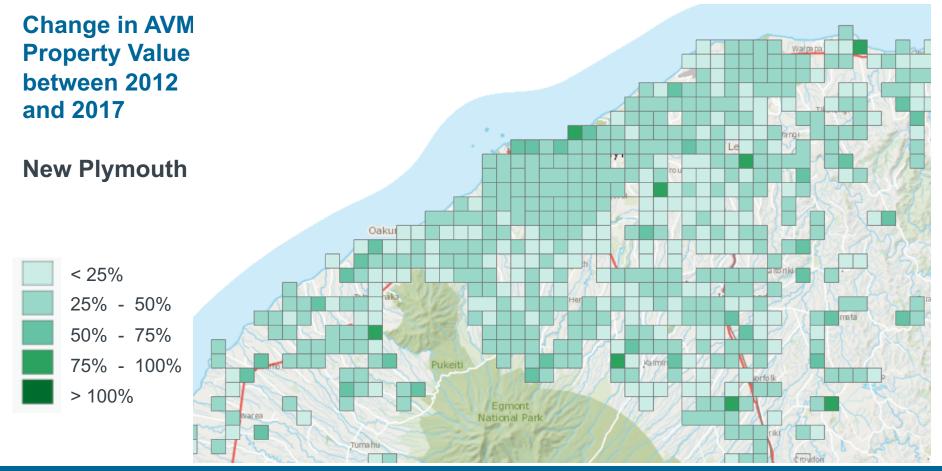
Change in AVM Property Value between 2012 and 2017

Auckland







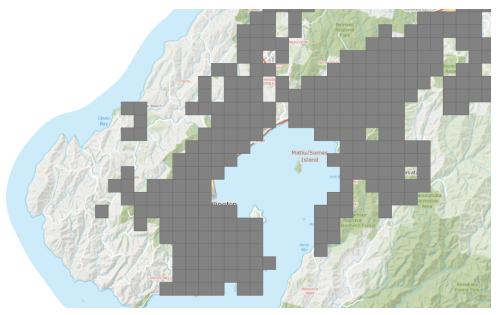


On average AVM property value rose by 85% across New Zealand between December 2012 and December 2017

Visualisation 2: Crown Owned HNZ Properties



Research Methodology



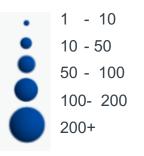
Geospatial Grid size from 100m to 6.4km

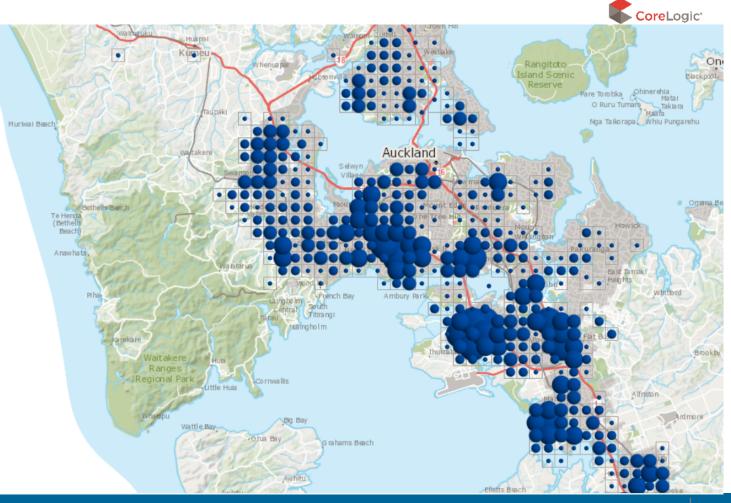
Inputs:

- Dec 2012 Market Value
- Dec 2017 Market Value
- Housing NZ Density
- Net Value Change

Crown owned HNZ Residential Housing Density









- 10

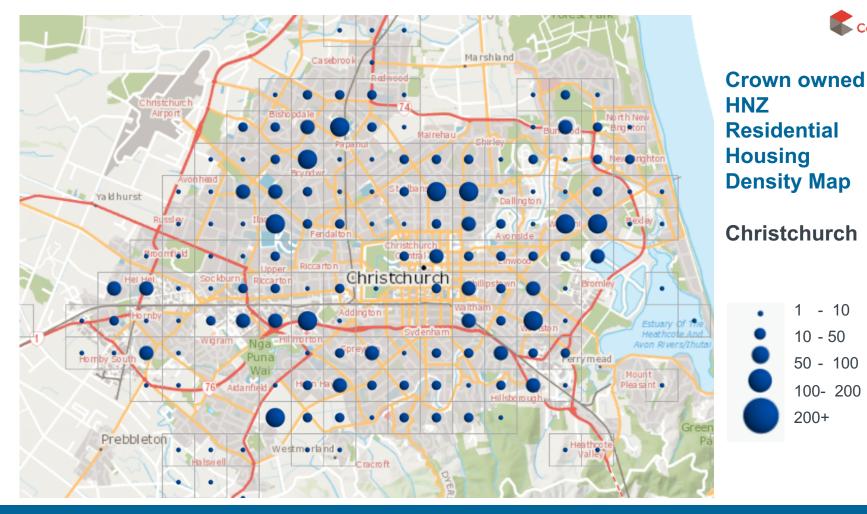
10 - 50

50 - 100

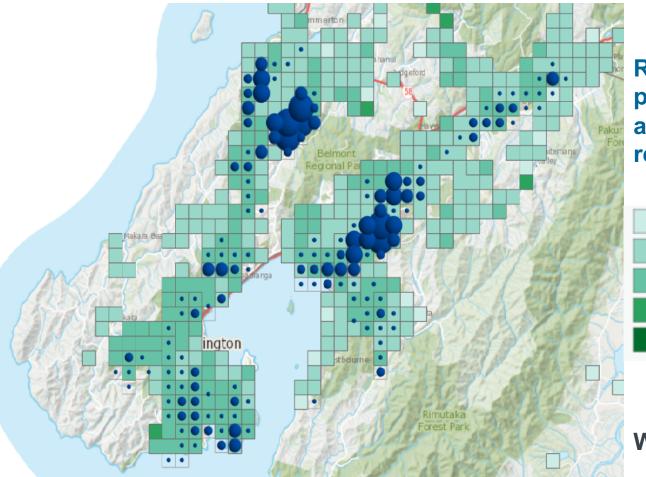
100-200

200+

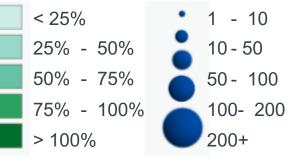
1





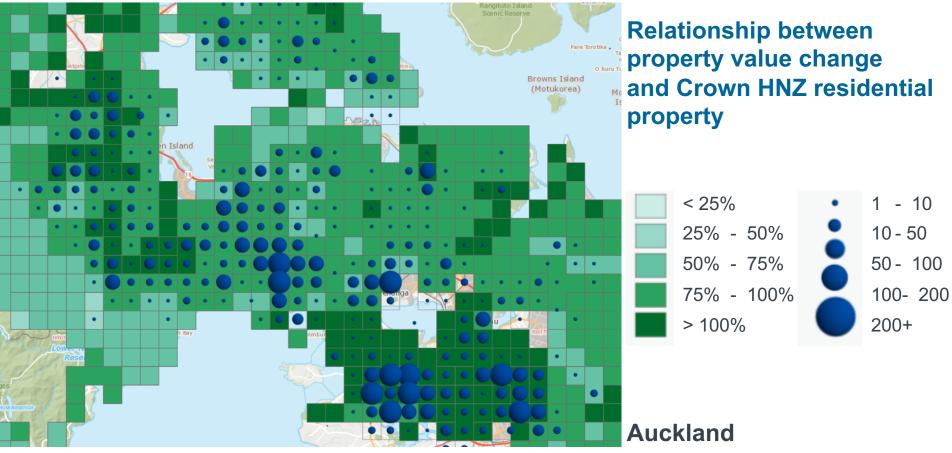


Relationship between property value change and Crown HNZ residential property

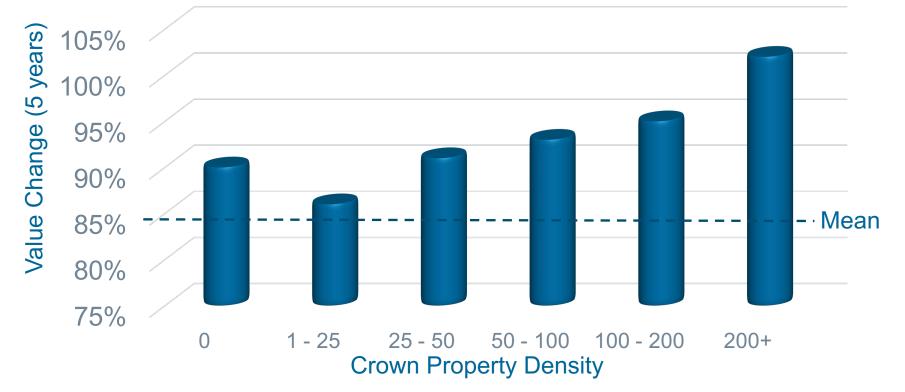


Wellington





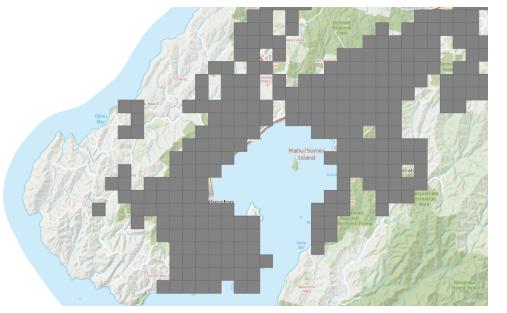
Value Change in Auckland by Residential Crown Property Density



There is no correlation between the rate of change in property value and the density of Crown residential property across the country.

Lower priced suburbs have made greater gains as houses become less affordable.

Research Methodology



Geospatial Grid scheme: 1km x 1 km

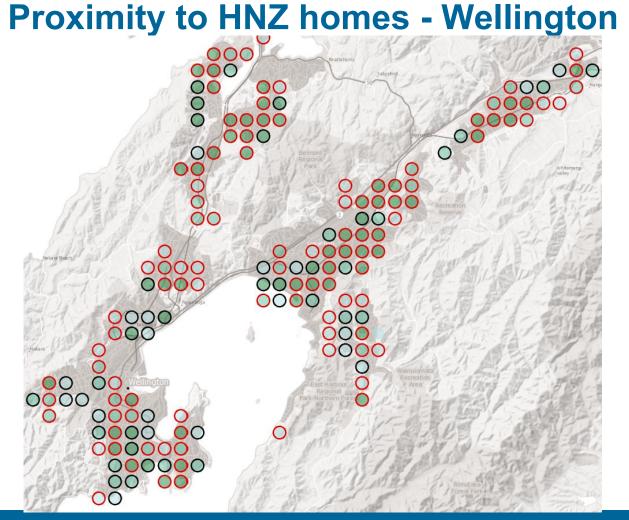
Inputs:

- Current Market Value
- Housing NZ Density,
- Retirement Homes Density

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- Historic Places Density
- Net Value Median Change Between adjacent grids





Adjacent Areas LowerAdjacent Areas Higher

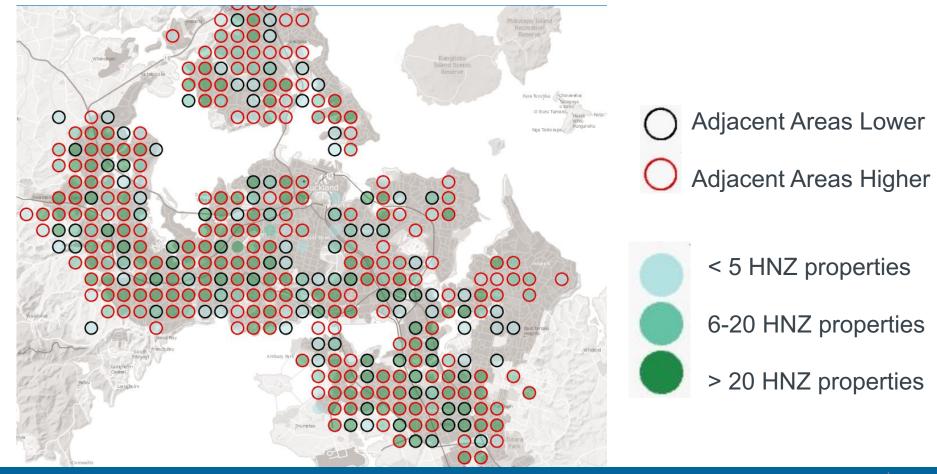
< 5 HNZ properties

6-20 HNZ properties

> 20 HNZ properties

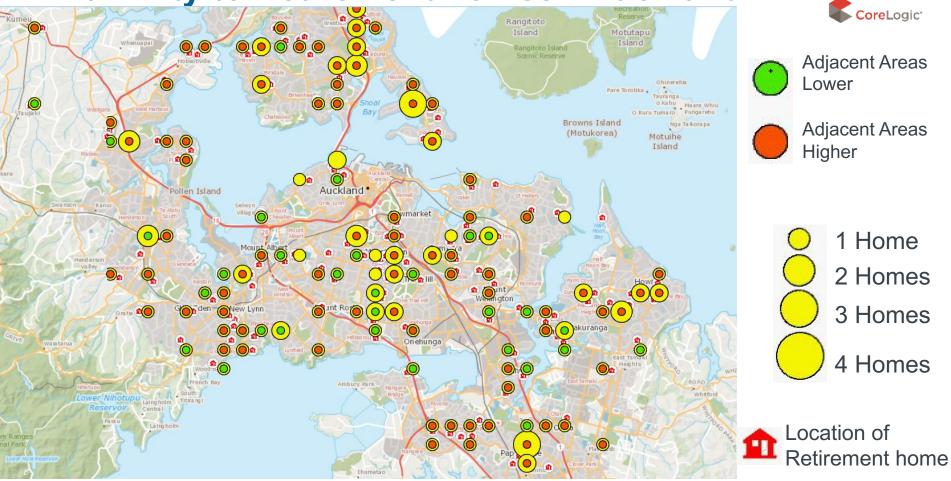
Proximity to HNZ homes - Auckland



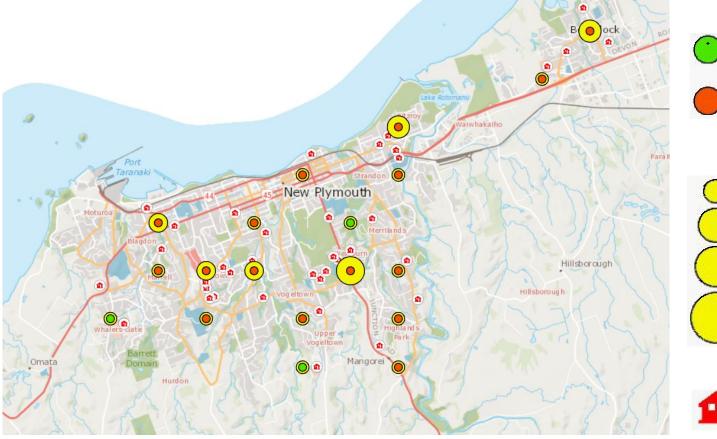


Visualisation 3: Retirement Homes

Proximity to Retirement nomes - Auckland



Proximity to Retirement homes – New Plymouth CoreLogic



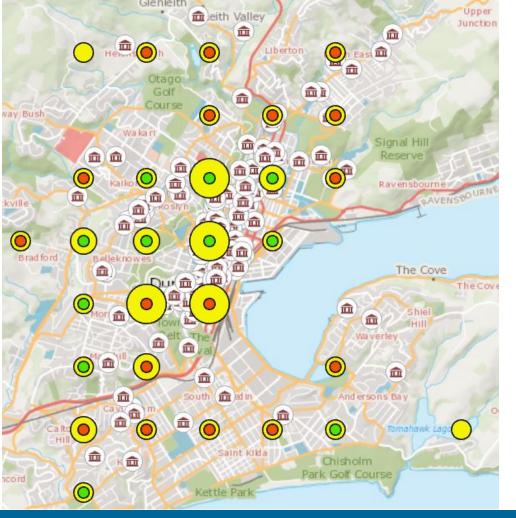
Adjacent Areas Lower

Adjacent Areas Higher

1 Home
2 Homes
3 Homes
4 Homes



Visualisation 4: Historic Places



Proximity to Historic Places – Dunedin

Adjacent Areas Lower

CoreLogic[®]

Adjacent Areas Higher

< 4 Historic Places

4-7 Historic Places

8-13 Historic Places

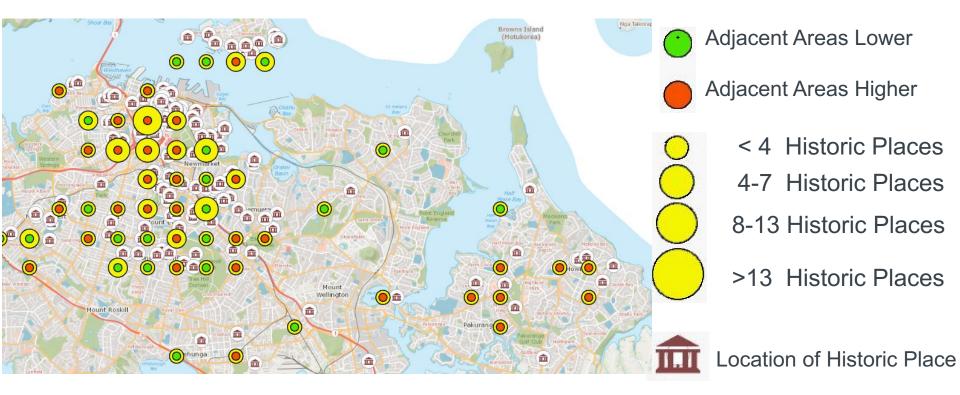
>13 Historic Places



Location of Historic Place

Proximity to Historic Places - Auckland



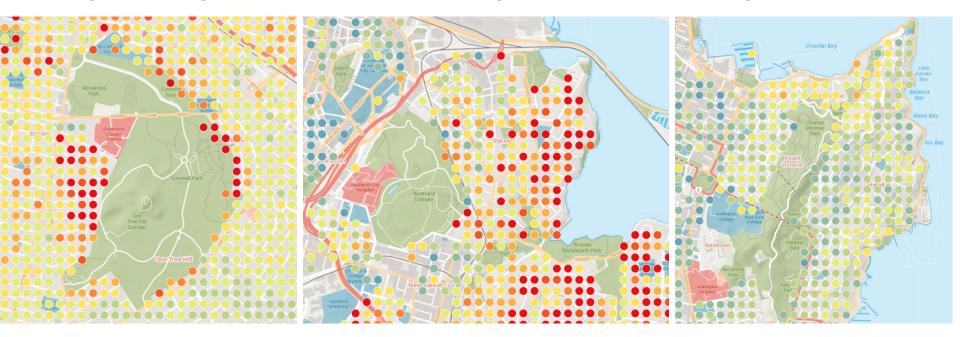


The value of properties closer to HNZ or Retirement homes or Historic Places are lower compared to adjacent areas. Percentage of Grids Lower in Value: HNZ Homes: 75% Retirement Homes: 75% Historic Places: 68%

Median Lower Value if you live close to: HNZ Homes: \$47k Retirement Homes: \$42k Historic Places: \$25k Visualisation 5: Recreational Crown Land



Adjacency to Parks, Coast (Queen's Chain)



Cornwall Park, Auckland Auckland Domain

Hataitai Park / Mt Vic, Wellington For proximity to recreational crown land, other factors like location determines market value.

Other factors such as location, affordability, desirability, school zoning and property condition are more influential on property value.





" Delivering unique property-level insights that power the global real estate economy."

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Thank You!

Special thanks to Matt Lythe, Phil Woods and Sam Brown.

Come and see us at our display.

Any questions?

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