



RESEARCH REPORT

**Intermediate housing market and housing
affordability trends in Auckland update**

Prepared for Auckland Council

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1. Executive Summary

In accordance with your instructions, we have prepared our report analysing the impact census 2018 data releases have on our estimates of the size of Auckland's intermediate¹ housing market. Our report should be read in conjunction with the "*Intermediate housing market and housing affordability trends in Auckland*" report prepared for Auckland Council in 2019.

Census 2018 data demonstrates a number of key trends within Auckland which have implications for the size of the intermediate housing market. These include:

- The number of households living in Auckland was projected to increase by 79,000 households² (or 15.7%) between 2013 and 2018. Census results suggest the growth was significantly lower and increased by 26,960 households (or 5.7%). Areas on the fringe of the urban area and Waitemata experienced the strongest growth in households between 2013 and 2018;
- Auckland's rate of owner occupation fell to 59.4% in 2018, a decline of 2.1 percentage points between 2013 and 2018. Waitemata (40.0%), Māngere-Ōtāhuhu (41.4%), Ōtara-Papatoetoe (43.1%) and Maungakiekie-Tāmaki (44.4%) had the lowest rates of owner occupation;
- Most local boards (with the exception of Waitemata, and Waiheke) experienced a fall in the rate of owner occupation between 2013 and 2018. The local boards experiencing the largest percentage point falls in the rate of owner occupation between 2013 and 2018 were Manurewa, (down 4.4 percentage points), Howick, (down 4.1 percentage points), and Whau, (down 4.1 percentage points);
- Between 2013 and 2018 the local boards experiencing the strongest growth in renter households were: Howick (up 2,570 renter households), Waitemata (up 1,530 renter households), Hibiscus and Bays (up 1,450 renter households), Manurewa (up 1,440 renter households), and Whau (up 1,310 renter households);
- Households in the intermediate housing market are estimated to have increased to 89,190 between 2013 and 2018 from 66,200 in 2013. This is an increase of 22,990 or 35%. The revised growth is slightly lower than previous estimates, falling from 95,360 to 89,190 intermediate households with the majority of the change in the growth in the size of the intermediate market reflecting the difference between the growth in the census's count of usually resident households and the projected growth; and
- Auckland's usually resident households are projected to increase between 2018 and 2028. Renter households will increase faster than owner occupiers between 2018 and 2028 particularly on the isthmus. In the past a significant portion of Auckland's population growth has been driven by inward overseas migration gains. In the post COVID-19 world it is uncertain whether these trends will continue. Between 2013 and 2018 Auckland experienced a significant net migration loss as New Zealanders shifted to other parts of the country. If these trends continued and overseas migration ebbed, Auckland's population may not grow at the expected rate over the next decade.

¹ intermediate housing market in a New Zealand context as "*private renter households with at least one person in paid employment, unable to affordably purchase a house at the lower quartile house sale price for the local authority area at standard bank lending conditions.*"

² Statistics New Zealand's medium household projections 2013 (base-2038 update)



2. Introduction

In accordance with your instructions, we have prepared our report analysing the impact recent census 2018 data releases have on our estimates of the size of Auckland’s intermediate housing market. Our report should be read in conjunction with the “*Intermediate housing market and housing affordability trends in Auckland*” report prepared for Auckland Council in 2019. The report provides commentary on:

- Recent statistics releases including usually resident household counts and rates of owner occupation outcomes from the 2018 census;
- Implications of these trends on the estimated size of the intermediate housing market in Auckland in 2018;
- Implications of the census outcomes on the estimated household growth rates by local board and tenure between 2018 and 2028.

2.1 Intermediate housing market definition

The concept of the intermediate housing market was developed in the United Kingdom largely by Stephen Wilcox of the Centre for Housing Policy at the University of York. He published a number of reports between 2003 and 2010 developing the concept which focused on the geographical distribution of affordable and unaffordable housing and the ability of working households to become owner occupiers. DTZ (2005)³ and (2008) adopted this approach to housing affordability analysis and adapted it to a New Zealand context taking into account data availability and defined the intermediate housing market in a New Zealand context as “*private renter households with at least one person in paid employment, unable to affordably purchase a house at the lower quartile house sale price for the local authority area at standard bank lending conditions*”⁴. This report uses the same definition to calculate the size of the intermediate housing market in Auckland. The intermediate housing market reflects only one portion of the housing continuum. Figure 3.2 presents a more detailed view of the housing continuum.

Figure 3.2: The housing continuum

| Social Renters | Private Renters | | | | | | Owner Occupiers |
|----------------|-----------------------------|---------------------------------|----------------|---------------------------------|--|---|-----------------|
| | Not in work | In Work | | | | | |
| | | Unable to affordably | | | | Able to affordably buy at median house sale price | |
| | | Pay rent at the | | | Buy at | | |
| | lower quartile | median | upper quartile | lower quartile house sale price | median house sale price | | |
| Social Renters | Not in Work Private renters | The Intermediate Housing Market | | | Relatively Well Off Private Sector Renters | | Owner Occupiers |

NB: Note that this diagram is not to scale and does not represent the relative size of each subgroup

³ DTZ (2005) & (2008) “Can work, Cannot Buy - The intermediate housing market in New Zealand”. A research for the Centre of Housing Research Aotearoa New Zealand.

⁴ Standard bank lending conditions were defined as a 25 year table mortgage assuming no more than 30% of the household’s gross income is used to service the debt, a 10% deposit, and the one year fixed mortgage interest rate.



3. Census 2018 results and growth in household incomes 2013 to 2018

3.1 Introduction

Since the “*Intermediate housing market and housing affordability trends in Auckland*” 2019 report was finalised there has been a number of new data sets published. These include:

- Census 2018 household counts;
- Census 2018 tenure outcomes; and
- Household income data between 2013 and 2018.

These data releases have implications for the results of the 2019 report. A summary of the published data sets follow.

3.2 Household growth rates implied by the 2018 census

Results from the 2018 census⁵ indicate Auckland’s population did not grow as fast as projected between 2013 and 2018. Census results suggest the number of people living in Auckland increased by 11.0% whereas population projections ranged between 11.4% and 16.3% over the same time period. Slower population growth flows through to slower rates in household formation with consequences on the demand for housing. It is important to note census outcomes and projection counts are not directly comparable and differ in a number of ways. However, they provide an approximate indication of the actual rate of growth relative to the level of projected growth.

Table 3.1 presents a comparison of the change in the number of usually resident households from the 2013 to the 2018 census and compares the growth with Statistics New Zealand projected household growth rates over the same time period.

Table 3.1: Comparison of census counts and projected household growth from 2013 to 2018

| Year | Household projections | | | Census results Households |
|--------|-----------------------|---------|---------|------------------------------|
| | Low | Medium | High | |
| 2013 | 498,000 | 498,000 | 498,000 | 469,500 |
| 2018 | 564,500 | 577,000 | 589,400 | 496,460 |
| Change | +66,500 | +79,000 | +91,400 | +26,960 |

Source: Statistics New Zealand

There are a number of reasons why the census and population projection numbers differ:

- First, the census has an effective date in March whereas population and household projections are based on June years;

⁵ Since the analysis in this report was completed Statistics New Zealand has issued revised household and tenure counts for Auckland (March 2020). The revised household numbers have a small impact on total counts.



- Second, the way in which census and population/household projections record people overseas on census night differs; and
- Lastly, population and household projections adjust for the census under count.

Despite the differences in the timing and composition of the household counts listed above these results clearly suggest the growth in the number of households usually resident in Auckland increased at a significantly lower rate than projected. It is beyond the scope of this report to analyse why this occurred, however there are a number of potential drivers and these include:

- Households have increased in size as residents delayed new household formation potentially due to a lack of housing affordability; and
- There was higher than expected net internal migration flows of New Zealanders out of Auckland to other housing markets.

Table 3.2 presents the internal migration flows into and out of Auckland between 2013 and 2018.

Table 3.2: Internal migration flows into and out of Auckland 2013 to 2018

| | Inflow | Outflow | Net change |
|---------------------------------------|--------|---------|------------|
| Northland | 6,580 | 15,030 | -8,450 |
| Waikato | 12,760 | 26,390 | -13,630 |
| Bay of Plenty | 6,290 | 15,860 | -9,570 |
| Gisborne | 880 | 1,060 | -180 |
| Hawke's Bay | 2,440 | 4,220 | -1,780 |
| Taranaki | 1,650 | 2,550 | -900 |
| Manawatu-Wanganui | 3,490 | 5,140 | -1,650 |
| Wellington | 9,930 | 10,140 | -210 |
| Tasman | 350 | 1,030 | -680 |
| Nelson | 560 | 1,090 | -530 |
| Marlborough | 480 | 990 | -510 |
| West Coast | 200 | 250 | -50 |
| Canterbury | 6,830 | 8,450 | -1,620 |
| Otago | 4,200 | 6,050 | -1,850 |
| Southland | 600 | 850 | -250 |
| Total internal migration 2013 to 2018 | 57,240 | 99,100 | -41,860 |

Source: Statistics New Zealand

These statistics suggest Auckland lost 41,860 people to other regions between 2013 and 2018. However, these results should be treated as indicative as Statistics New Zealand's analysis was unable to match 253,400 people to an address in 2013.



Census results also imply the rate of growth was unevenly distributed between local board areas. Table 3.3 presents a comparison of the change in the number of households between 2013 and 2018 measured by census and household projections.

Table 3.3: Change in the number of households 2013 to 2018 – Census compared to projections

| Local board | Census results | | | Household projections | | | Diff in growth |
|---------------------|----------------|---------|----------|-----------------------|---------|----------|----------------|
| | 2013 | 2018 | 13 to 18 | 2013 | 2018 | 13 to 18 | |
| Rodney | 20,060 | 22,760 | 2,700 | 21,300 | 25,400 | 4,100 | -1,400 |
| Hibiscus and Bays | 32,700 | 36,680 | 3,980 | 34,500 | 40,000 | 5,500 | -1,520 |
| Upper Harbour | 17,110 | 19,740 | 2,630 | 18,100 | 22,400 | 4,300 | -1,670 |
| Kaipātiki | 28,430 | 28,910 | 480 | 30,100 | 32,900 | 2,800 | -2,320 |
| Devonport-Takapuna | 20,340 | 20,760 | 420 | 21,600 | 23,200 | 1,600 | -1,180 |
| Henderson-Massey | 34,440 | 35,440 | 1,000 | 36,500 | 40,500 | 4,000 | -3,000 |
| Waitākere Ranges | 16,630 | 17,260 | 630 | 17,600 | 19,500 | 1,900 | -1,270 |
| Great Barrier | 460 | 540 | 80 | 500 | 500 | 0 | 80 |
| Waiheke | 3,620 | 3,650 | 30 | 3,900 | 4,400 | 500 | -470 |
| Waitematā | 31,560 | 34,520 | 2,960 | 33,700 | 48,000 | 14,300 | -11,340 |
| Whau | 23,930 | 24,680 | 750 | 25,400 | 29,000 | 3,600 | -2,850 |
| Albert-Eden | 31,820 | 32,030 | 210 | 33,900 | 37,600 | 3,700 | -3,490 |
| Puketāpapa | 16,700 | 17,330 | 630 | 17,700 | 20,200 | 2,500 | -1,870 |
| Ōrākei | 29,050 | 29,910 | 860 | 30,800 | 34,300 | 3,500 | -2,640 |
| Maungakiekie-Tāmaki | 23,910 | 24,410 | 500 | 25,400 | 29,100 | 3,700 | -3,200 |
| Howick | 40,930 | 43,590 | 2,660 | 43,300 | 49,900 | 6,600 | -3,940 |
| Māngere-Ōtāhuhu | 17,380 | 17,880 | 500 | 18,500 | 21,200 | 2,700 | -2,200 |
| Ōtara-Papatoetoe | 19,960 | 20,410 | 450 | 21,200 | 24,300 | 3,100 | -2,650 |
| Manurewa | 22,660 | 23,560 | 900 | 24,000 | 27,500 | 3,500 | -2,600 |
| Papakura | 14,900 | 17,050 | 2,150 | 15,800 | 18,800 | 3,000 | -850 |
| Franklin | 22,940 | 25,360 | 2,420 | 24,300 | 28,200 | 3,900 | -1,480 |
| Auckland - Total | 469,500 | 496,460 | 26,960 | 498,100 | 576,900 | 78,800 | -51,840 |

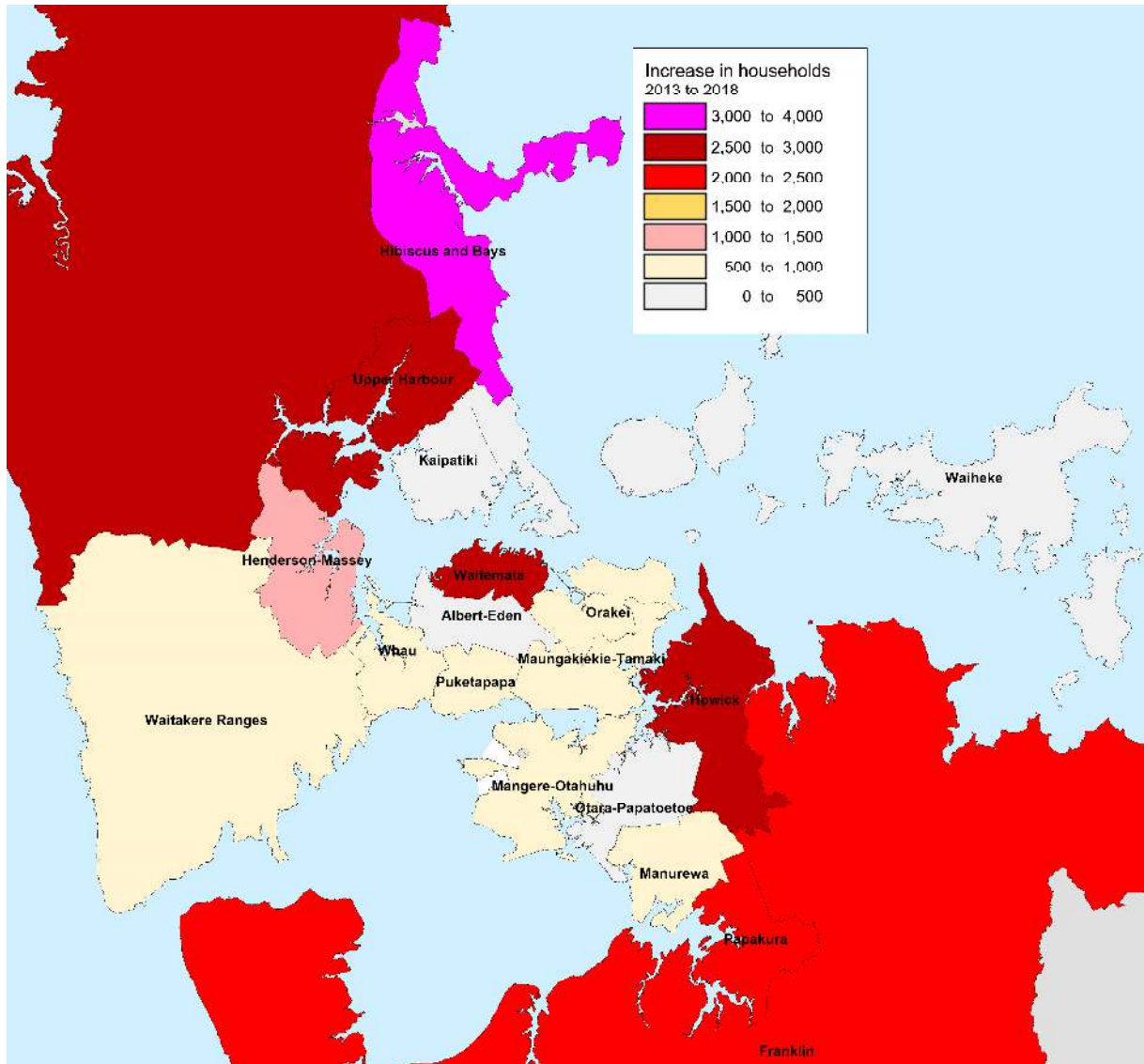
Source: Statistics New Zealand

Waitematā had the largest difference between the projected growth in households between 2013 and 2018 and the estimates from 2018 census.



Figure 3.1 presents the change in the number of households between 2013 and 2018 measured by the census.

Figure 3.1: Household growth 2013 to 2018 measured by the census



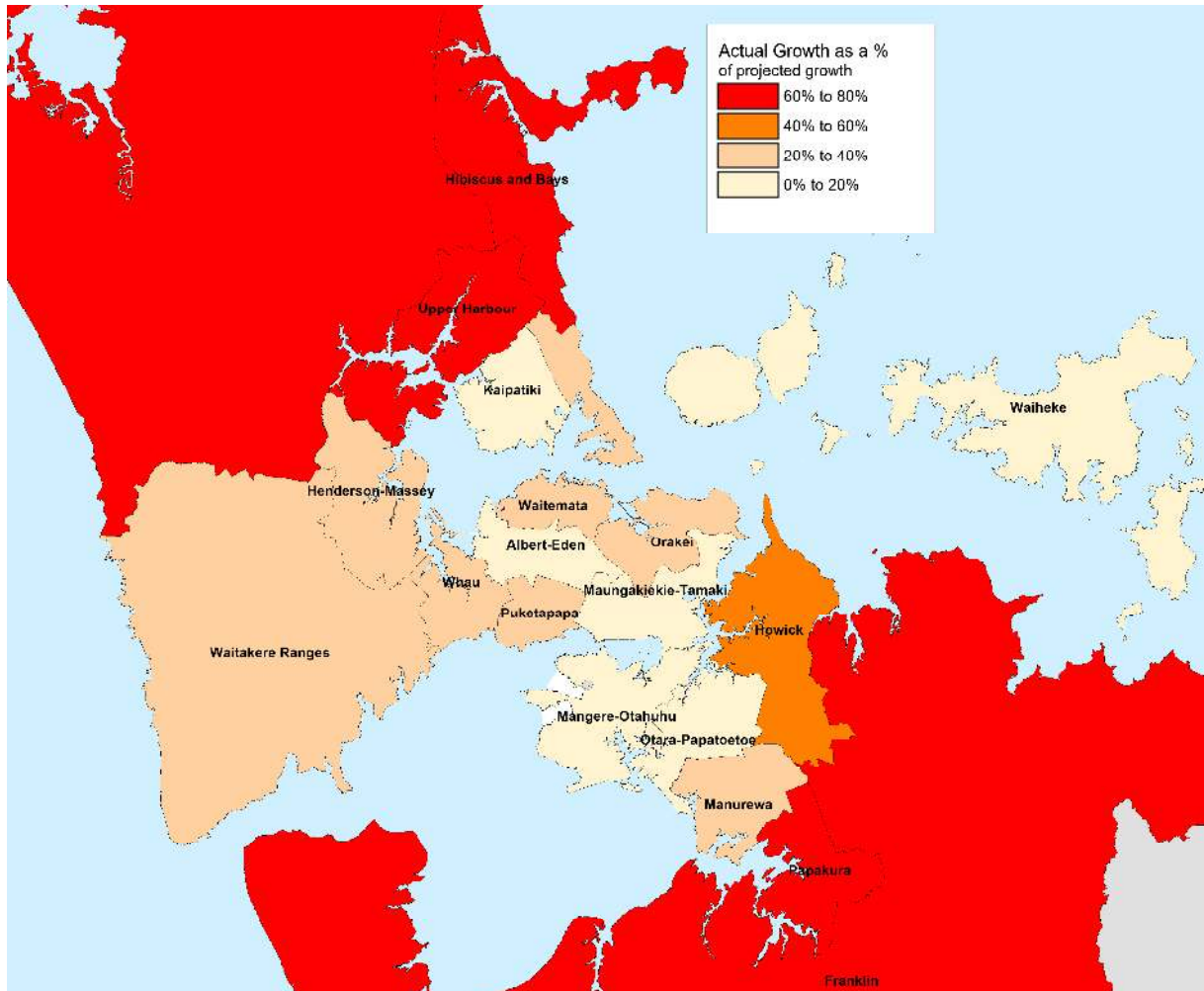
Source: Statistics New Zealand

Areas on the fringe of the urban area and Waitematā experienced the strongest growth in households between 2013 and 2018.



Figure 3.2 presents the change in the number of households between 2013 and 2018 measured by the census as a proportion of the projected growth over the same time period.

Figure 3.2: Change in the number of households 2013 t 2018 as a proportion of projected growth



Source: Statistics New Zealand

Local boards experienced the smallest proportion of projected growth included those located on the Isthmus, West Auckland and in Manukau.



3.3 Change in the rate of owner occupation between 2013 and 2018

The rate of owner occupation in Auckland fell between the 2013 and 2018 censuses⁶. Table 3.4 presents the change in household tenure in Auckland between 2013 and 2018.

Table 3.4: The trend in Auckland's household tenure between 2006 and 2018

| | 2006 Census households | 2013 Census | | 2018 Census | |
|---|------------------------------|-------------|--------------------|-------------|--------------------|
| | | Households | Change 06 to 13 | Households | Change 13 to 18 |
| Owned or partly owned | 204,720 | 201,410 | -3,310 | 226,370 | 24,960 |
| Dwelling held in a family trust | 52,790 | 67,530 | 14,740 | 69,990 | 2,460 |
| Total households with an ownership interest | 257,510 | 268,940 | 11,430 | 296,360 | 27,420 |
| Dwelling not owned | 145,940 | 168,720 | 22,780 | 202,400 | 33,680 |
| Total Stated | 403,450 | 437,660 | 34,210 | 498,760 | 61,100 |
| Not elsewhere included ⁷ | 30,810 | 31,840 | 1,030 | 0 | -31,840 |
| Implied rate of owner occupation | 63.8% | 61.5% | -2.3% | 59.4% | -2.1% |

Source: Statistics New Zealand

Auckland's rate of household owner occupation fell by 2.1 percentage points between 2013 and 2018. This decline is similar to the fall in the previous inter census period. There is also considerable variation across the city. Rates of owner occupation vary by as much as 30 percentage points between local boards. In addition, the change in the rate of owner occupation between 2013 and 2018 was not consistent across the city with some local boards experiencing a rise in the rate of owner occupation while others experienced a fall.

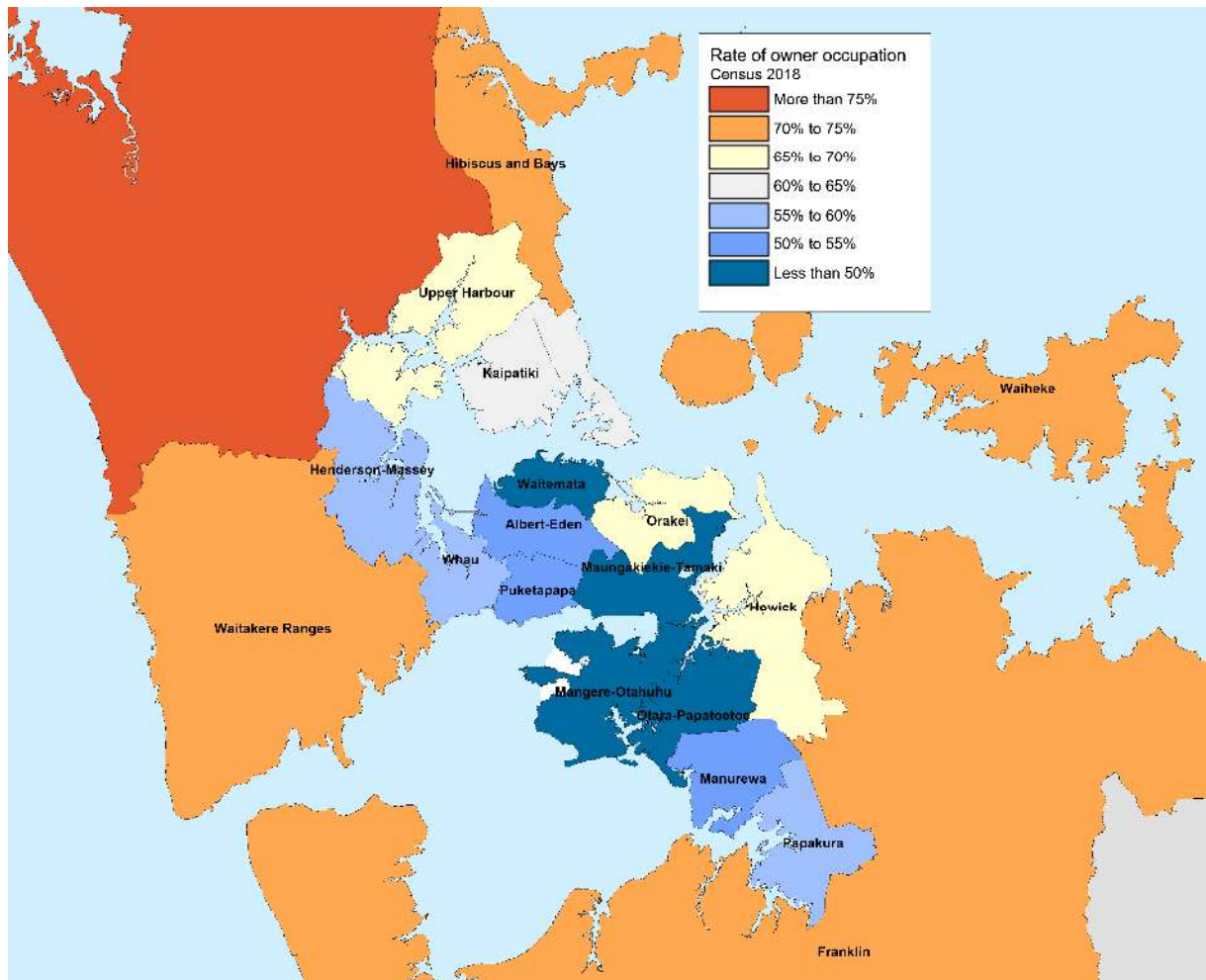
⁶ Since the analysis in this report was completed Statistics New Zealand has issued revised household and tenure counts for Auckland (12th March 2020). The revised household numbers have a small impact on total counts and tenure outcomes for both Auckland and for local boards.

⁷ In 2018 Statistics New Zealand used a number of data sources to reduce census non-response to the tenure questions. These included administrative data, 2013 census responses and imputation. See Mitchell (2020) 'The impact of alternative data sources on tenure outcomes'. A Report funded by the Building Research Levy.



Figure 3.3 presents the rate of owner occupation by local board in 2018.

Figure 3.3: The rate of owner occupation in 2018



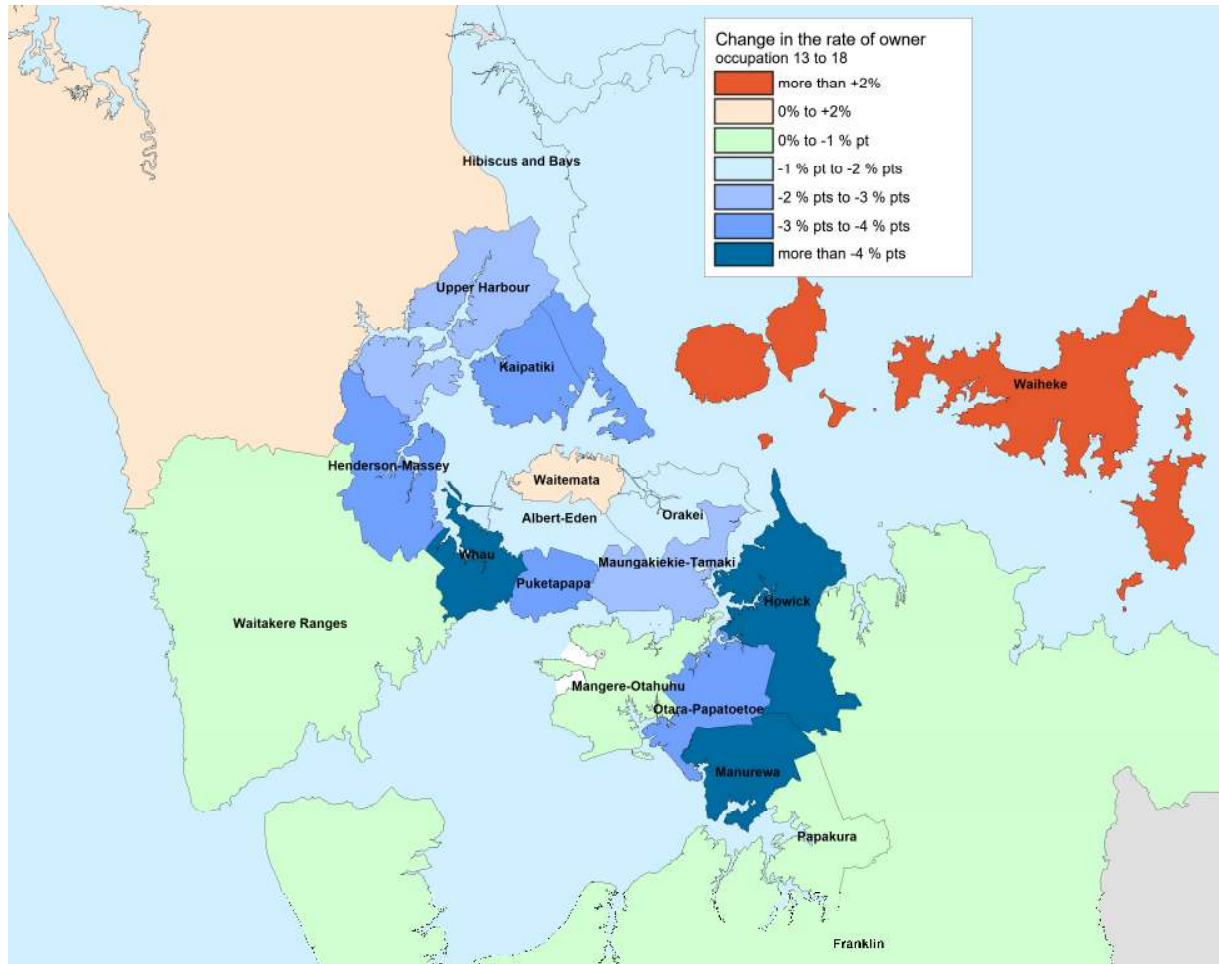
Source: Statistics New Zealand

The local boards with the highest rates of owner occupation were typically on the fringe of the urban area while those with the lowest were located in central and southern Auckland. Waitematā (40.0%), Māngere-Ōtāhuhu (41.4%), Ōtara-Papatoetoe (43.1%) and Maungakiekie-Tāmaki (44.4%) had the lowest rates of owner occupation.



Figure 3.4 presents the percentage point change in the rate of owner occupation between 2013 and 2018 by local board.

Figure 3.4: Percentage point change in the rate of owner occupation between 2013 and 2018



Source: Statistics New Zealand

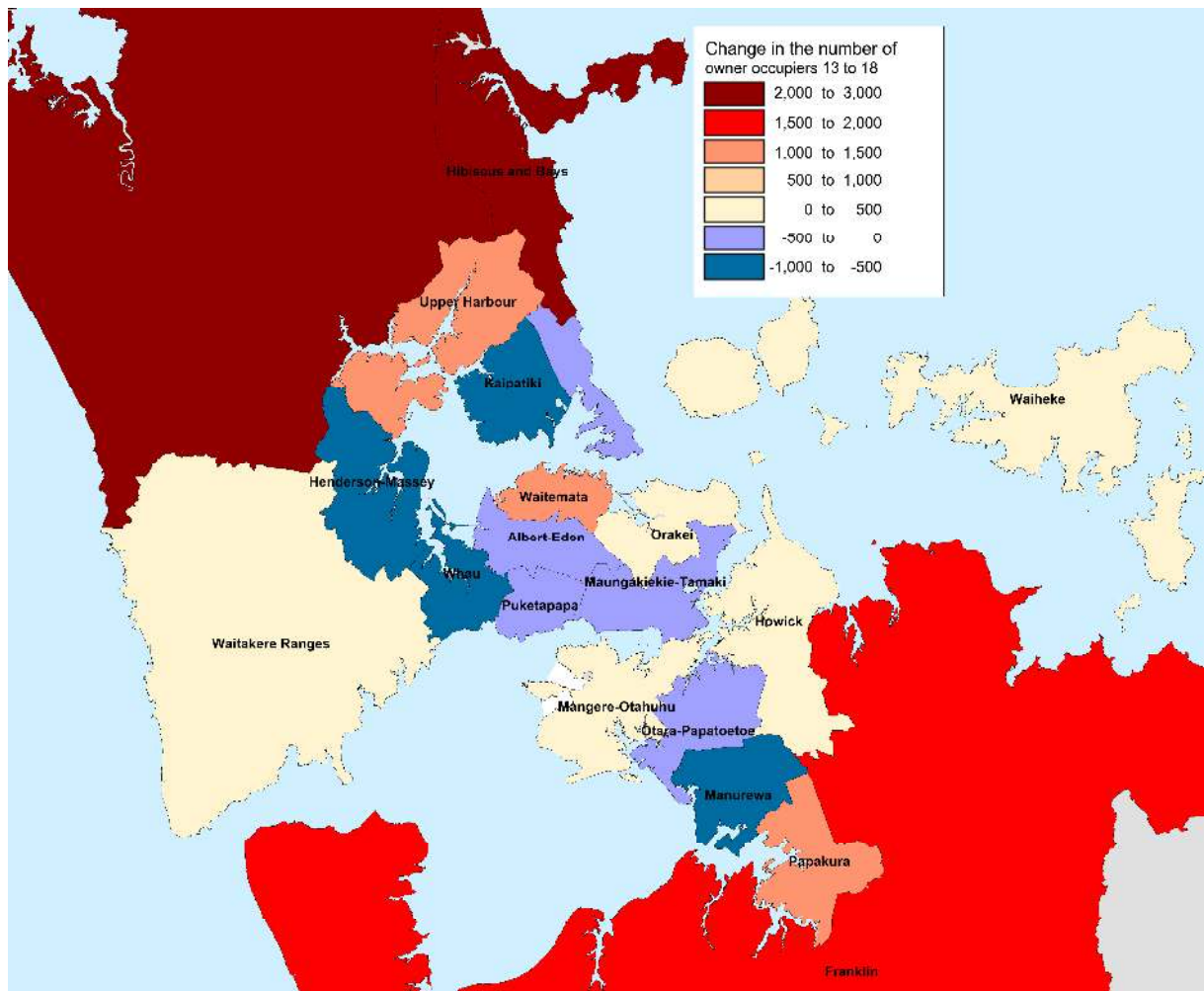
Most local boards (with the exception of Waitemata, and Waiheke) experienced a fall in the rate of owner occupation between 2013 and 2018. The local boards experiencing the largest percentage point falls in the rate of owner occupation between 2013 and 2018 were:

- Manurewa, (down 4.4 percentage points);
- Howick, (down 4.1 percentage points);
- Whau, (down 4.1 percentage points);
- Henderson-Massey, (down 3.6 percentage points); and
- Kaipatiki, (down 3.5 percentage points).



Although most local boards experienced a fall in the rate of owner occupation some still experienced an increase in the number of owner occupiers between 2013 and 2018 as a result of growth in the total number of households. Figure 3.5 presents the change in the number of owner occupier households between 2013 and 2018 by local board.

Figure 3.5: The change in the number of owner occupiers between 2013 and 2018



Source: Statistics New Zealand

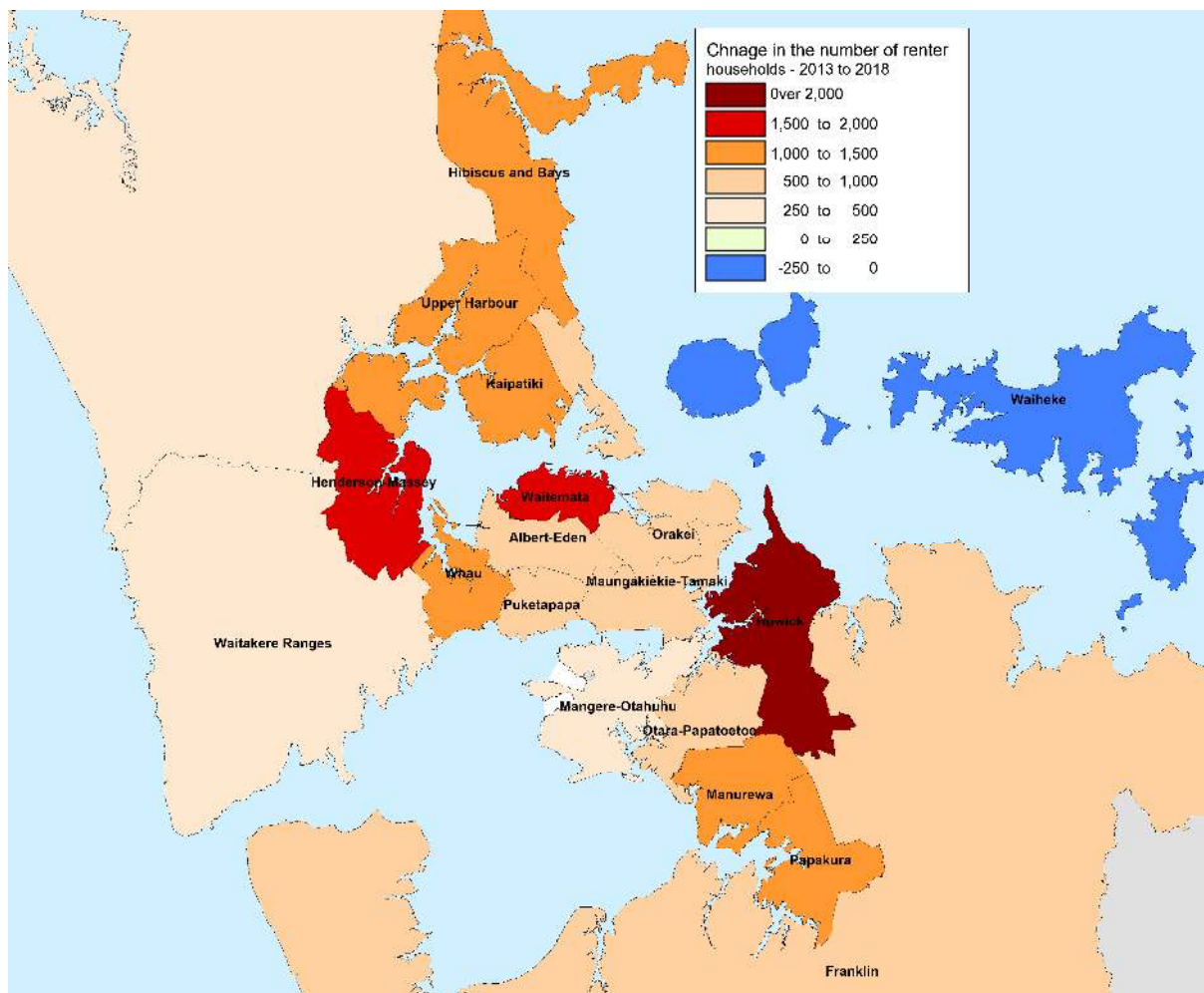
The majority of growth in the number of owner occupiers occurred on the fringe of the urban area, with the exception of the Waitemata local board. Anecdotal evidence suggests that lower cost multi unit dwellings and apartments may have assisted with the growth in owner occupiers in Waitemata. Local boards with the largest falls in the number of owner occupier households between 2013 and 2018 were:

- Kaipatiki, (down 700 owner occupiers households);
- Henderson-Massey, (down 650 owner occupier households);
- Whau (down 560 owner occupier households); and
- Manurewa (down 540 owner occupier households).



Figure 3.6 presents the change in the number of renter households between 2013 and 2018.

Figure 3.6: Change in the number of renter households between 2013 and 2018



Source: Statistics New Zealand

The number of renter households increased between 2013 and 2018 in all local boards with the exception of Waiheke. Local boards experiencing the strongest growth in renter households between 2013 and 2018 were:

- Howick (up 2,570 renter households);
- Waitemata (up 1,530 renter households);
- Hibiscus and Bays (up 1,450 renter households);
- Manurewa (up 1,440 renter households); and
- Whau (up 1,310 renter households).



3.4 Changes in household income between 2013 and 2018

Census 2018 household income data has not yet been published. However, Ministry of Business Innovation and Employment (MBIE) and Ministry of Housing and Urban Development (MHUD) have used IDI data from Statistics New Zealand to estimate the median household incomes in 2013 and 2018 as part of their calculation of their housing affordability measure (HAM). These estimates can be used to provide an assessment of how much household incomes have changed between 2013 and 2018. Table 3.5 presents the estimated change in median household incomes by local board between 2013 and 2018.

Table 3.5: Annual compounded percentage change in median household incomes between 2013 and 2018

| Local board | 2013 Median household Income | 2018 Median household income | Annual compounded % change in hhld inc 2013 to 2018 |
|---------------------|------------------------------|------------------------------|---|
| Rodney | \$69,220 | \$82,720 | 3.6% |
| Hibiscus and Bays | \$85,710 | \$98,100 | 2.7% |
| Upper Harbour | \$81,300 | \$91,060 | 2.3% |
| Kaipātiki | \$81,300 | \$91,060 | 2.3% |
| Devonport-Takapuna | \$79,760 | \$92,110 | 2.9% |
| Henderson-Massey | \$75,700 | \$90,400 | 3.6% |
| Waitākere Ranges | \$75,700 | \$90,400 | 3.6% |
| Great Barrier | \$69,920 | \$78,500 | 2.3% |
| Waiheke | \$69,920 | \$78,500 | 2.3% |
| Waitematā | \$69,920 | \$78,500 | 2.3% |
| Whau | \$69,200 | \$84,070 | 4.0% |
| Albert-Eden | \$80,430 | \$94,460 | 3.3% |
| Puketāpapa | \$80,430 | \$94,460 | 3.3% |
| Ōrākei | \$95,970 | \$106,000 | 2.0% |
| Maungakiekie-Tāmaki | \$72,000 | \$85,520 | 3.5% |
| Howick | \$85,710 | \$98,100 | 2.7% |
| Māngere-Ōtāhuhu | \$75,030 | \$91,410 | 4.0% |
| Ōtara-Papatoetoe | \$75,030 | \$91,410 | 4.0% |
| Manurewa | \$75,030 | \$91,410 | 4.0% |
| Papakura | \$75,030 | \$91,410 | 4.0% |
| Franklin | \$81,970 | \$96,040 | 3.2% |
| Auckland Council | \$77,480 | \$91,000 | 3.3% |

Source: MHUD

The average growth in median household incomes in the Auckland Council area between 2013 and 2018 was 3.3% which was slightly lower than the 3.5% per annum assumed in the data modelling completed in 2019.



4. Implications for the intermediate housing market

4.1 Introduction

The objective of this section of the report is to present the revised estimates of the size of the intermediate housing market in Auckland by local board in 2018 taking into account the preliminary results from the 2018 census⁸.

4.2 Revised intermediate housing market estimates

The 2018 census indicates Auckland's usually resident population increased at a slower rate than projected between 2013 and 2018. The slower population growth flowed through to slower rates of household formation. Between 2013 and 2018, census results indicate the number of usually resident households increased by 26,960 households (or 5.7%), whereas Statistics New Zealand's medium level household projections implied growth of 79,000 households (or 15.7%) over the same time period. Auckland's rate of owner occupation fell to 59.4% in 2018 which was slightly higher (0.5 percentage points) than that used in the modelling work completed in 2019.

Table 4.1 presents the revised estimates of the size of the intermediate housing market by local board taking into account the slower than projected growth in the number of households, changes in the rate of owner occupation demonstrated by the 2018 census and modelled growth in household incomes between 2013 and 2018. In addition, the estimated size of the intermediate market calculated in 2019 is also included.

⁸ The preliminary results include the count of usually resident households and rates of owner occupation by local board area.



Table 4.1: Revised intermediate housing market estimates

| Local board | Intermediate households in 2013 | 2019 Estimates | | Revised 2020 Estimates | |
|------------------------|---------------------------------|-------------------------|---------------------|-------------------------|---------------------|
| | | Intermediate households | Change 2013 to 2018 | Intermediate households | Change 2013 to 2018 |
| Rodney | 2,080 | 2,930 | 850 | 2,520 | 440 |
| Hibiscus and Bays | 3,370 | 5,140 | 1,770 | 4,950 | 1,580 |
| Upper Harbour | 1,930 | 3,280 | 1,350 | 2,910 | 980 |
| Kaipātiki | 4,010 | 5,650 | 1,640 | 5,770 | 1,760 |
| Devonport-Takapuna | 2,420 | 3,560 | 1,140 | 3,690 | 1,270 |
| Henderson-Massey | 4,990 | 6,440 | 1,450 | 6,640 | 1,650 |
| Waitākere Ranges | 1,810 | 2,380 | 570 | 2,190 | 380 |
| Great Barrier | 30 | 40 | 10 | 40 | 10 |
| Waiheke | 500 | 630 | 130 | 470 | -30 |
| Waitematā | 7,060 | 11,690 | 4,630 | 8,400 | 1,340 |
| Whau | 3,520 | 4,680 | 1,160 | 4,680 | 1,160 |
| Albert-Eden | 5,560 | 8,170 | 2,610 | 7,550 | 1,990 |
| Puketāpapa | 2,590 | 3,570 | 980 | 3,460 | 870 |
| Ōrākei | 2,850 | 4,640 | 1,790 | 4,390 | 1,540 |
| Maungakiekie-Tāmaki | 4,590 | 6,600 | 2,010 | 6,110 | 1,520 |
| Howick | 4,600 | 7,190 | 2,590 | 7,800 | 3,200 |
| Māngere-Ōtāhuhu | 3,100 | 3,740 | 640 | 3,330 | 230 |
| Ōtara-Papatoetoe | 3,660 | 4,440 | 780 | 4,150 | 490 |
| Manurewa | 3,150 | 4,070 | 920 | 3,970 | 820 |
| Papakura | 2,200 | 3,000 | 800 | 2,820 | 620 |
| Franklin | 2,420 | 3,520 | 1,100 | 3,350 | 930 |
| Total Auckland Council | 66,200 | 95,360 | 31,000 | 89,190 | 24,830 |

Source: Modelled based on data from Statistics New Zealand, RBNZ, and MHUD

Households in the intermediate housing market are estimated to have increased to 89,190 between 2013 and 2018 from 66,200 in 2013. This is an increase of 22,990 or 35%. The revised growth is slightly lower than previous estimates, falling from 95,360 to 89,190 intermediate households with the majority of the change in the growth in the size of the intermediate market reflecting the difference between the growth in the census’s count of usually resident households and the projected growth.



Table 4.2 presents the modelled number of intermediate households as a proportion of all households for both the 2019 estimates and the revised 2020 results.

Table 4.2: Intermediate households as a proportion of all households by local board

| Local Board | 2019 estimates | Revised 2020 estimates | Difference |
|------------------------|----------------|------------------------|------------|
| Rodney | 11.1% | 10.5% | 0.6% |
| Hibiscus and Bays | 12.4% | 12.9% | -0.4% |
| Upper Harbour | 16.3% | 14.1% | 2.3% |
| Kaipātiki | 16.5% | 18.8% | -2.4% |
| Devonport-Takapuna | 14.8% | 16.7% | -1.9% |
| Henderson-Massey | 15.3% | 17.7% | -2.4% |
| Waitākere Ranges | 11.7% | 12.0% | -0.2% |
| Great Barrier | 7.7% | 6.9% | 0.8% |
| Waiheke | 13.9% | 12.0% | 1.9% |
| Waitematā | 23.4% | 22.8% | 0.6% |
| Whau | 15.5% | 17.9% | -2.3% |
| Albert-Eden | 20.9% | 22.1% | -1.3% |
| Puketāpapa | 17.1% | 18.9% | -1.8% |
| Ōrākei | 13.0% | 13.8% | -0.8% |
| Maungakiekie-Tāmaki | 21.9% | 23.6% | -1.7% |
| Howick | 13.9% | 17.0% | -3.1% |
| Māngere-Ōtāhuhu | 17.0% | 17.5% | -0.4% |
| Ōtara-Papatoetoe | 17.7% | 19.1% | -1.5% |
| Manurewa | 14.2% | 15.9% | -1.7% |
| Papakura | 15.3% | 15.7% | -0.3% |
| Franklin | 12.0% | 12.5% | -0.5% |
| Total Auckland Council | 16.0% | 17.0% | -0.9% |

Source: Modelled based on data from Statistics New Zealand, RBNZ, and MHUD

The results varied due to differences in household growth rates between census and household projections and variations between the projected change in the rate of owner occupation by local board and the census results.



5. Revised household growth estimates by local board

5.1 Introduction

The objective of this section of the report is to present revised household growth estimates by local board and tenure taking into account the initial census 2018 results. Note, Statistics New Zealand has not yet released their revised population forecasts based on 2018 census results and consequently underlying these projections is their growth estimates between 2018 and 2028.

5.2 Revised household growth estimates

Table 5.1 presents our revised household growth estimates taking into account census 2018 results and Statistics New Zealand’s previous projected household growth rate

Table 5.1: Revised household growth projections by local board and tenure

| | Renter households | | | Owner occupiers | | | Total | | |
|---------------------|-------------------|----------------|---------------|-----------------|----------------|---------------|----------------|----------------|----------------|
| | 2018 | 2028 | Chge 18 to 28 | 2018 | 2028 | Chge 18 to 28 | 2018 | 2028 | Chge 18 to 28 |
| Rodney | 5,950 | 8,770 | 2,820 | 18,090 | 22,410 | 4,320 | 24,040 | 31,180 | 7,140 |
| Hibiscus and Bays | 10,400 | 13,950 | 3,550 | 28,090 | 32,380 | 4,290 | 38,490 | 46,330 | 7,840 |
| Upper Harbour | 6,700 | 10,060 | 3,360 | 13,990 | 18,160 | 4,170 | 20,690 | 28,220 | 7,530 |
| Kaipātiki | 11,570 | 13,740 | 2,170 | 19,050 | 19,920 | 870 | 30,620 | 33,660 | 3,040 |
| Devonport-Takapuna | 7,900 | 9,620 | 1,720 | 14,190 | 14,890 | 700 | 22,090 | 24,510 | 2,420 |
| Henderson-Massey | 15,860 | 20,230 | 4,370 | 21,630 | 24,210 | 2,580 | 37,490 | 44,440 | 6,950 |
| Waitākere Ranges | 4,990 | 6,210 | 1,220 | 13,320 | 14,330 | 1,010 | 18,310 | 20,540 | 2,230 |
| Great Barrier | 140 | 100 | -40 | 440 | 480 | 40 | 580 | 580 | 0 |
| Waiheke | 1,140 | 1,300 | 160 | 2,770 | 3,170 | 400 | 3,910 | 4,470 | 560 |
| Waitematā | 22,060 | 29,730 | 7,670 | 14,750 | 20,020 | 5,270 | 36,810 | 49,750 | 12,940 |
| Whau | 11,560 | 14,960 | 3,400 | 14,650 | 16,420 | 1,770 | 26,210 | 31,380 | 5,170 |
| Albert-Eden | 15,740 | 19,070 | 3,330 | 18,410 | 19,940 | 1,530 | 34,150 | 39,010 | 4,860 |
| Puketāpapa | 8,500 | 10,890 | 2,390 | 9,840 | 10,860 | 1,020 | 18,340 | 21,750 | 3,410 |
| Ōrākei | 10,010 | 12,810 | 2,800 | 21,710 | 23,960 | 2,250 | 31,720 | 36,770 | 5,050 |
| Maungakiekie-Tāmaki | 14,360 | 18,970 | 4,610 | 11,560 | 13,190 | 1,630 | 25,920 | 32,160 | 6,240 |
| Howick | 15,380 | 20,110 | 4,730 | 30,600 | 34,440 | 3,840 | 45,980 | 54,550 | 8,570 |
| Māngere-Ōtāhuhu | 11,170 | 14,030 | 2,860 | 7,910 | 8,720 | 810 | 19,080 | 22,750 | 3,670 |
| Ōtara-Papatoetoe | 12,350 | 15,470 | 3,120 | 9,350 | 10,100 | 750 | 21,700 | 25,570 | 3,870 |
| Manurewa | 12,430 | 14,220 | 1,790 | 12,600 | 13,350 | 750 | 25,030 | 27,570 | 2,540 |
| Papakura | 7,650 | 10,940 | 3,290 | 10,350 | 12,230 | 1,880 | 18,000 | 23,170 | 5,170 |
| Franklin | 7,470 | 10,940 | 3,470 | 19,260 | 23,690 | 4,430 | 26,730 | 34,630 | 7,900 |
| Total | 213,330 | 276,120 | 62,790 | 312,560 | 356,870 | 44,310 | 525,890 | 632,990 | 107,100 |

Source: Modelled based on data from Statistics New Zealand, RBNZ, and MHUD



These projections imply renter households will increase faster than owner occupiers between 2018 and 2028 particularly on the isthmus. In the past a significant portion of Auckland's population growth has been driven by inward overseas migration gains. In the post COVID-19 world it is uncertain whether these trends will continue. Between 2013 and 2018 Auckland experienced a significant net internal migration loss as New Zealanders shifted to other parts of the country. If this trend continued and overseas migration ebbed Auckland's population may not grow at the level of growth presented in Table 5.1.