SUMMARY

- This occasional paper reviews information from the 2013 Census regarding internal migration for the previous five years, and the inward migration of people born overseas and living in the Waimakariri District in 2006 and 2013.

- In March 2013 the Waimakariri District had a usually resident population five years of age and over of 47,064, and 16,215 (34.5 percent) of these people were living outside of the District in 2008.

- Of the 16,215 people five years and over who were not living in the District in 2008, 14,025 (87.0 percent) were living elsewhere in New Zealand and 2,910 (13.0 percent) were living overseas.

- Of the people 5 years and over who had moved into the District from locations within New Zealand since 2008, 6504 (46.5 percent) previously lived in Christchurch. A further 2589 (18.5 percent) people previously lived elsewhere in the South Island.

- The net gain of 3,333 people was greatest from Christchurch City with 6,504 people moving into the District from the City since 2008 and 3,171 people who were living in the District in 2008 had moved to the City in 2013. Of those moving into the District from the City 1902 moved from Area Units with properties that had been “red zoned”.

- The net gains from other locations within New Zealand were limited, with a gain of 255 people from Auckland, and 126 people from the Wellington Region. There was a minimal net loss of people from the District to Otago/Southland, and marginal gains to all other locations including the rest of the Canterbury Region.

- Approximately 50 percent of the District’s population 20 – 29 years and 30 – 39 years in 2013 had moved into the District since 2008.

- Adults moving into the District from overseas during the period since 2008 were more likely to be in the 30 – 39 years and the 60 – 69 years age group, with relatively few of these people in the 50 – 59 years age group at the time of the 2013 Census.

- People born overseas and living in the District in 2013 increased by 2250 (73.0 percent) compared with the previous Census in 2006, while the percentage of these people who had lived in New Zealand for fewer than five years declined from 30.4 percent to 18.1 percent.

- In both 2006 and 2013 people born in the United Kingdom and Ireland represented approximately 60 percent of the people living in the District who were born overseas. People born in other European countries and Australia represented approximately 10 percent of the people born overseas and living in the District at the time of the last two Censuses.

- Despite the rapid increase in the District’s population since 1996 of 54.6 percent, and the disruptions associated with the earthquakes since 2010 the percentage distribution for people who had remained in the District for the previous five years and the previous places of residence for the District’s new residents were relatively constant for the last four Censuses.
1 INTRODUCTION

This occasional paper reviews the information from the 2013 Census regarding the movement of people into and out of the Waimakariri District, and compares this with data from previous Censuses. It also analyses the pattern of inward migration for people born overseas and living in the Waimakariri District in 2006 and 2013.

Since 1986 the Waimakariri District has seen a period of sustained new dwelling development and accompanying population growth. This has meant that new people have been moving into the District to occupy the additional dwellings, as well as the ongoing movement of people into and out of the District from established properties.

2 Population movement

It is possible to identify where people who are in New Zealand at Census time were living five years ago and thus to establish the net gains and losses. Information is also available about the number of people who were living overseas five years prior to the Census.

There is no Census information about the people who were living in the District five years ago and overseas at the time of the 2013 Census because the Census only deals with people in the country on Census night. It should be noted, however, that in the District’s estimated resident population as at 30 June, provided by Statistics New Zealand each year, people overseas on short visits are included in the District’s population.

In March 2013 the Waimakariri District had a usually resident population of 47,064 people 5 years and over, and of these 30,849 (65.8 percent) were living in the District five years earlier in 2008.

Among the 14,025 people who had moved into the District from elsewhere in New Zealand during the five years since 2008:

- 618 (4.4 percent) from Auckland City
- 324 (2.3 percent) from the Wellington Region
- 534 (3.8 percent) from elsewhere North Island
- 648 (4.6 percent) from Tasman, Nelson, Marlborough, and Westland
- 6504 (46.5 percent) from Christchurch City
- 1419 (10.2 percent) from elsewhere Canterbury Region
- 522 (3.7 percent) from Otago and Southland
- 3456 (24.5 percent) from elsewhere New Zealand (location not stated)

There were also 2,190 people living in the Waimakariri District in 2013 who were overseas in 2008. These people comprised 4.7 percent of the District’s total usually resident (Census) population 5 years and over in 2013, and 13.5 percent of the 16,215 people five years and over who were not living in the District in 2008.

Figure 1 shows the balance of inward and outward movement of people five years and over, during the previous five years, for the Waimakariri District in 2013, excluding the 3456 people whose location in New Zealand in 2008 could not be identified.
Figure 1 shows that the District had a net gain of 3,333 people from Christchurch, 255 people from Auckland, 126 people from the Wellington Region and 42 from elsewhere in Canterbury.

There were minimal differences between the number of people moving into and out of the District from areas in the North Island other than Auckland and the Wellington Region, the north and west, and south of the South Island.

3 Age distribution and previous place of residence for new residents

The pattern of movement of people into and out of the Waimakariri District has a significant influence on the age distribution of the District’s population.

Figure 2 compares the age distribution for people five years and over who had moved into the District during the previous five years with the distribution for those who had lived in the District throughout the period in 2013.
Figure 2 shows that approximately 50 percent of the District's population 20 – 29 years and 30 – 39 years in 2013 had moved into the District during the previous five years, while 37.2 percent of the people living in the District in 2013 40 – 49 years and over had also moved into the area since 2008.

While the 2013 Census showed that the percentage of children 0 – 4 years had declined from 6.7 percent in 2006 to 5.9 percent in 2013, many of the households with younger adults that move into the District also include children under 5 years of age but these are not included in table 2. For example, the Council's 2013/14 New Dwellings Survey found that 9.4 percent of the members of respondent households moving into the District were in the 0 – 4 years age group.

Figure 3 shows the pattern of inward migration by age and previous place of residence.

Figure 3 shows little difference in the proportion of the people moving into the District by location. The variations of note are the relatively limited percentage (10.5 percent) of people 50 – 59 years in 2013 who had moved into the District from overseas, compared 19.4 percent of those 30 – 39 years, and 22.6 percent of those with 60 – 69 years.

The pattern for the percentages of each age group moving into the District from Christchurch largely mirrored that for people moving into the District from overseas. Those in the 20 – 29 years age group represented 40.8 percent of the people in this age group entering the District in the previous five years, those 30 – 39 years represented 42.9 percent and those 60 – 69 years represented 45.7 percent of the people in this age group who entered the District between 2008 and 2013.

Figure 4 provides a more detailed analysis of the movement of older people into the Waimakariri District.
Figure 4 shows that the greatest number of older people moving into the District, came from Christchurch, with approximately 450 people who were 60 – 64 years of age in 2013 having moved into the District in the previous 5 years, followed by approximately 340 people 65 – 69 years of age at the 2013 Census having moved into the District since 2008.

4 Movement of “red zone” residents

The “red zoning” of 1049 dwellings in Kaiapoi and Pines Beach and Kairaki in 2011 with an initial requirement for residents to have moved away from these properties by April 2013 can be seen as having prompted an unprecedented movement of people in the District. The “red zoning” of over 7,000 properties in eastern Christchurch meant that a very substantial number of people living in the City were also required to move away from their properties.

It is not possible to identify the movement of people from “red zoned” properties per se, but the movement of people from Area Units which included areas “red zoned” during the five years prior to the 2013 Census is possible. An analysis provided by the Christchurch City Council indicates that 1902 people from Area Units in the City with land “red zoned” moved to the Waimakariri District between 2008 and 2013. These people moved from the following Area Units, (with the number from each in parentheses): Styx including Brooklands (354), Burwood (294), Avondale (234), Belfast (231), Bexley (216), Rawhiti (207), Dallington (186), and Travis (180).

Of the people who moved to the District from “red zoned” areas in Christchurch between 2008 and 2013, 717 were living in the Rangiora Ward, 552 in the Woodend Ashley Ward, 525 in the Kaiaipoi Ward and 482 in the Oxford Eyre Ward. At Area Unit level the greatest numbers were recorded for Kaiapoi North East (Moorcroft and Sovereign Palms) with 177 people, Pegasus with 171 people, Rangiora East with 165 people, Lehmans (west Rangiora) with 159 people, Mandeville with 144 people and Woodend with 138 people.

Using the same approach, it is possible to identify the locations to which people in Area Units with land “red zoned” in the Waimakariri District moved between 2008 and 2013. Again, this does not mean that all those who moved, vacated “red zoned” properties, as some may have moved from properties within these Area Units before
“red zoning” was announced. There were 2928 people who had moved from the Courtenay, Kaiapoi South, Kaiapoi East and Pines Beach/Kairaki Area Units in the five years prior to the 2013 Census, and 1848 remained in the Waimakariri District while others have been identified as having moved to the following territorial authority areas, with the number of people involved in parenthesis: Christchurch City (579), Selwyn District (84), Hurunui District (78), Ashburton District (30), Dunedin City (24), Tasman District (18), and rest of New Zealand (270). Of the people who moved from the District’s “red zoned” Area Units to Christchurch most settled in the northern areas within the City such as Belfast, Styx Mill and Redwood.

Figure 5 sets out the distances moved by people from “red zoned” areas in Christchurch, the City’s four avenues, the Port Hills and the Waimakariri “red zones.” These calculations are bases on measuring the distance from the mid-point in the respective Area Units.

Figure 5 shows that many of people who moved from “red zoned” areas in the Waimakariri District settled within a relatively short distance of their “red zoned” home. Of these people 74 percent settled within two kilometres of their previous home and a further 15 percent between two and four kilometres of that home.

5 People born overseas and years in New Zealand

Data is collected about the years in New Zealand for people born overseas, and table 1 sets out the years in New Zealand for usually resident who were people born overseas living in the Waimakariri District in 2006 and 2013.
Table 1: Waimakariri District: People born overseas and years in New Zealand for 2006 and 2013

<table>
<thead>
<tr>
<th>Years in New Zealand</th>
<th>2006</th>
<th></th>
<th>2013</th>
<th></th>
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<tbody>
<tr>
<td></td>
<td>Number</td>
<td>Percent</td>
<td>Number</td>
<td>Percent</td>
</tr>
<tr>
<td>0 – 4 years</td>
<td>1809</td>
<td>30.4</td>
<td>1488</td>
<td>18.1</td>
</tr>
<tr>
<td>5 – 9 years</td>
<td>681</td>
<td>11.4</td>
<td>2058</td>
<td>25.1</td>
</tr>
<tr>
<td>10 – 19 years</td>
<td>744</td>
<td>12.5</td>
<td>1431</td>
<td>17.5</td>
</tr>
<tr>
<td>20 years or more</td>
<td>2562</td>
<td>43.1</td>
<td>3021</td>
<td>36.9</td>
</tr>
<tr>
<td>Not stated</td>
<td>159</td>
<td>2.6</td>
<td>207</td>
<td>2.4</td>
</tr>
<tr>
<td>Total</td>
<td>5955</td>
<td>100.0</td>
<td>8205</td>
<td>100.0</td>
</tr>
</tbody>
</table>

Table 1 shows that there was an increase of 73.0 percent (2250) in the number of people born overseas and living in the Waimakariri District in 2013 compared with 2006.

In 2006, with the District’s usually resident population at 42834 people born overseas comprised 13.9 percent of the people living in the District. In 2013, with the usually resident population for the District at 49,989, people born overseas represented 16.4 percent of the people living in the District.

Also, people who have recently arrived in New Zealand who were born overseas and were living in the District in 2006 represented a significantly higher percentage of those born overseas and living in the District in 2013. In 2006 and 2013, however, people who were born overseas and had lived in New Zealand for 20 years or more represented the highest percentage of the people who were not born in New Zealand.

Table 2 sets out the number and percentage of these people by country of birth for the Waimakariri District in 2006 and 2013.

Table 2: Waimakariri District: People born overseas by country of birth for 2006 and 2013

<table>
<thead>
<tr>
<th>Country of birth</th>
<th>2006</th>
<th></th>
<th>2013</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number</td>
<td>Percent</td>
<td>Number</td>
<td>Percent</td>
</tr>
<tr>
<td>United Kingdom and Ireland</td>
<td>3618</td>
<td>61.0</td>
<td>4926</td>
<td>60.1</td>
</tr>
<tr>
<td>Other European countries</td>
<td>705</td>
<td>11.7</td>
<td>837</td>
<td>10.2</td>
</tr>
<tr>
<td>Australia</td>
<td>666</td>
<td>11.1</td>
<td>825</td>
<td>10.1</td>
</tr>
<tr>
<td>Asia</td>
<td>366</td>
<td>6.1</td>
<td>612</td>
<td>7.4</td>
</tr>
<tr>
<td>Middle-east and Africa</td>
<td>273</td>
<td>4.5</td>
<td>489</td>
<td>6.0</td>
</tr>
<tr>
<td>North America</td>
<td>213</td>
<td>3.7</td>
<td>306</td>
<td>3.7</td>
</tr>
<tr>
<td>Pacific</td>
<td>87</td>
<td>1.5</td>
<td>153</td>
<td>1.9</td>
</tr>
<tr>
<td>Other</td>
<td>27</td>
<td>0.4</td>
<td>57</td>
<td>0.6</td>
</tr>
<tr>
<td>Total</td>
<td>5955</td>
<td>100.0</td>
<td>8205</td>
<td>100.0</td>
</tr>
</tbody>
</table>

Table 2 shows the majority of the people born overseas and living in the District in 2006 and 2013 were born in the United Kingdom and Ireland. In 2006, people had been born in the United Kingdom or Ireland comprised 1152 (63.0 percent) of the
people born overseas living in the District that had been in New Zealand for fewer than five years, while in 2013 equivalent number of people was 750, and 50.5 percent.

In 2006 and 2013 similar percentages of people born overseas and living in the District were born in other European countries, Australia and North America. Although the percentages of the total born overseas for people born in Asia and the Middle East and Africa remained similar, the percentage increase between 2006 and 2013 was significant. In 2013 there was an increase of 216 (79.4 percent) in the number of people born in the Middle East and Africa living in the District compared with 2006. Also there was an increase of 246 (67.6 percent) in the number of people born in Asia and living in the District compared with the number recorded at the previous Census. In addition, the number of Pacific born people living in the District increased during the inter-Census period by 66 (76.3 percent).

When compared with 2006, the number born in some countries living in the District in 2013 declined, and these included other European countries, Australia, and North America. Of the other nationalities, there was an increase of 72 in the number of people born in Asia, and increase of 30 in the number of people born in the Middle East and Africa, as well as an increase of 30 the number of Pacific born people living in the District in 2013 compared with five years earlier.

In 2013 people born in Asia comprised 13.9 percent of the people born overseas who had been living in New Zealand for fewer than five years and living in the District compared with 7.5 percent in 2006. Similarly, the people born in the Middle East and Africa represented 5.8 percent of the people in the District born overseas who had spent fewer than five years in New Zealand in 2006 compared with 9.1 percent in 2013.

Of the people born overseas and living in the District in 2006, 1809 (30.4 percent) had been living in New Zealand for four years or less, while at the time of the Census in March 2013 1488 (18.1 percent) of these people had been living in the District for less than four years.

The results of the 2006 and 2013 Census highlight that when reviewing the distributions for people living in the District born outside of New Zealand, it is important to appreciate that many of these people have lived in New Zealand for a number of years. Also, it is necessary to recognise that often these people may not have spent all the time that they have been in New Zealand living in the District.

6 Longer-term trends in inward migration to the Waimakariri District

Figure 6 shows the longer term patterns of inward migration.
Figure 6 shows that throughout the period, people moving into the District from Christchurch City during the five years preceding each of the last four Censuses have made up a significant proportion of total inward migration. In 2006 and 2013 those who had moved into the District during the preceding five years also comprised a significant proportion of the District’s inward migration.

Of the people living in the District who were overseas five years earlier at the 2006 Census, 1809 (69.4 percent) were people born overseas who had lived in New Zealand for fewer than five years, and 807 (30.6 percent) people were New Zealanders returning from overseas. At the time of the 2013 Census, 1488 (62 percent) were people born overseas who had lived in New Zealand for fewer than five years, and 912 (38.0 percent) of these people were New Zealanders returning from overseas.

Figure 7 sets out the percentage inward migration alongside the percentages for people five years and over who had remained at the same address and moved within the District for each inter-Census period since 1996.
Table 5 shows that overall the percentage distribution in terms of people who have remained in the District and the locations from which people have moved into the District has been stable, despite the fact that the District’s usually resident population has increased from 32,346 in 1996 to 49,989 or 54.6 percent.

The main variations occurred in the 2001 – 2006 inter-Census period where there was a slightly higher percentage of inward migration overall and a higher percentage of movement of people into the District who were overseas in 2001. Throughout the period under review, the main source of people moving into the District during each inter-Census period has been from “elsewhere in Canterbury”, with the majority of these people coming into the District from Christchurch City.

It is also significant that despite the impacts of the earthquakes, and particularly “red zoning” that the movement of people into and around the District remained relatively constant over the period 1996 – 2013.