

# Hastings/Havelock North Area-Long Term School-Age Population Growth Projections 2018-2038

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# Contents

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- Executive Summary .....i
- 1. Introduction..... 1
- 2. Base Household and Population Growth Projections ..... 2
- 3. Hastings Urban Area School Population Projections..... 5
- 4. Flaxmere Area School Population Projections ..... 8
- 5. Havelock North Area School Population Projections ..... 9
- 6. Conclusion ..... 12

## Executive Summary

- As requested by the Hawkes Bay-Gisborne regional office of the Ministry of Education, this report provides updated detailed projections for future growth over the 2018-2038 Census period of the school-age population within in the Hastings District school catchment areas of Hastings Urban, Flaxmere and Havelock North. Detailed projection results for these areas are provided in the main body of the report at the Census Area Unit level.
- The population projections take into account the results of the 2016 first five-yearly review of the Heretaunga Plains Urban Development Strategy (HPUDS) and the subsequent updated housing and population growth projections calculated by ESL in late 2017 for the purposes of the Hastings District Council's next Long Term Plan (2018-2028) and longer-term infrastructural planning.
- The school catchment population projections also take into account Statistics New Zealand historical age-group Census and population estimate results, as well as the department's latest available 2013 Census based Medium and High projection scenario results for school age-group population growth over the 2018-2038 period.
- Consistent with the HPUDS and LTP analyses, these scenarios provide lower and upper bounds for projected long-term school-aged population growth in the catchment areas; both analyses project a total Hastings District population figure for the period that is approximately halfway between the Medium and High projections.
- The detailed projections are contained in the main body of the report and provide Census period based projected population results for the individual Census Area Units (CAUs) comprising each school catchment area. The CAU composition of the three school catchment areas in the **table over-page** was defined for the purposes of the analysis by the Ministry and are outlined in the following sections.
- The table shows the projected school age-group Medium and High population results for the 2018-2038 Census interval, for the three broad school catchments. The table indicates that both Hastings Urban age-groups are projected to record increased population during 2018-2023 but a fall thereafter. The overall change for the full projection interval is population decline for the 5-10 age-group but population gain for the 11-12 age-group.
- Flaxmere's 5-12 population in general terms declines overall during the projection period, with this trend more pronounced for the Medium projection. Under the High projection, this age-group population holds up relatively well until year 2033 then falls during the next five-year period.
- Havelock North's 5-10 population falls over the full projection period. Its 11-12 population increases during 2018-2023 but falls thereafter; however, over the full period a small population gain is projected. Its 13-19 population increases over 2018-2028 and then

generally falls from that point. However, over the full 2018-2038 period, population gain is projected.

- Statistics New Zealand figures for the full Hastings District indicate the area's 5-9 population falling steadily from year 2018 under the Medium projection; with the 10-14 population falling later from year 2023 and the 15-19 population from 2028. However, the population for these three age-groups continues to increase during the 2018-2038 period under the High growth projection, albeit at a generally diminishing rate. A similar growth pattern is evident for the department's population projections for the three school catchments when including the full CAU areas within each catchment. Variations between the department's projections and those in the table below can be traced to the impact of actual future household growth in the Hastings District on the pattern of underlying population distribution, the CAU composition of the catchment areas and the age-groups used for this projections analysis. It is noted that during the projection period, the median age of the total District population is projected to continue to increase from 40 to approximately 44 years.
- It is important that monitoring of the various projection results provided in this report occurs on an ongoing basis, in light of the availability of updated population results and household formation trends within the Hastings District. This includes a recommended review of the relevant demographic results from the 2018 Census, when they are able to be accessed this year or in 2019.

<a href="#">/early-childhood/teaching-and-learning/ece-curriculum/te-whariki/</a>	72,340(0.99%)			
<a href="#">school/running-a-school/resourcing/operational-funding/school-decile-ratings/ministry-of-education/regional-ministry-contacts/</a>	(0.94%)			
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<a href="#">/communities-of-learning/</a>	37,595(0.52%)			
<a href="#">/news/cyclone-cook-closes-94-schools-and-130-north-island-early-learning-centres/</a>	35,297(0.48%)			
<a href="#">/ministry-of-education/legislation/the-education-update-amendment-act/</a>	34,880(0.48%)			

<i>/school/working-in-a-school/teachers/secondary-teachers/</i>	33,755(0.46%)			
<i>/early-childhood/running-an-ece-service/the-regulatory-framework-for-ece/licensing-criteria/centre-based-ece-services/</i>	29,496(0.40%)			
<i>/school/running-a-school/employing-and-managing-staff/collective-agreements/primary-teachers-collective-agreement/</i>	29,207(0.40%)			
<i>/school/running-a-school/employing-and-managing-staff/collective-agreements/</i>	<b>29,182(0.40%)</b>			
<i>/home/education-in-nz/</i>	<b>28,569(0.39%)</b>			

## 1. Introduction

- 1.1 This report provides long-term growth projections for the school-aged population in the main Hastings Urban, Flaxmere and Havelock North school 'catchments', for the period 2018-2038.
- 1.2 The report has been requested by the Hawke's Bay-Tairāwhiti Office of the Ministry of Education which is currently giving consideration to the future requirements of the above areas in relation to school services including classrooms, teaching resources and other services.
- 1.3 The specific demographic information requested by the Ministry comprised as follows:
- The updated projections are to take into account the results of the latest set of household growth projections developed in 2016 for the first five-yearly review of HPUDS (Heretaunga Plains Urban Development Strategy) and the updated household growth projections for the Hastings District developed in late 2017 specifically for the purposes of the formulation of the Hastings District Council's new Long Term Plan (LTP) covering the period 2018-2028.
  - The Hastings school 'catchments' for which the population projections were requested are the main 'Hastings Urban' area, general 'Flaxmere' area separately and the 'Havelock North' area.
  - Population projections were requested for each of the 'Census Area Units' (CAUs) within these areas, as well as for the catchment areas as a whole. The set of CAUs for each of the above areas is respectively indicated in sections 3-5 of the report.
  - The specific age-group population projections requested for each of the three broad catchment areas are: Hastings Urban – years 1-6 (5-10 year olds) and 7/8 (11-12 year olds); Flaxmere – years 1-8 (5-12 year olds); and Havelock North – years 1-6 (5-10 year olds), years 7/8 (11-12 year olds) and years 9+ (13-19 year olds).
  - For the purposes of the analysis, the projection period is set at 2018-2038. This is consistent with the period for which the latest Statistics New Zealand (SNZ) household growth projections for the Hastings district as a whole are currently available.
- 1.4 The Hastings District total population projection results developed for both HPUDS and the Hastings District Council's next LTP have been set at a level approximately halfway between the Statistics New Zealand (SNZ) Medium and High projection scenarios. Consistent with this, this report provides projection results for the school catchments and their constituent CAUs, for both the Medium and High scenarios. The scenario results should be understood as providing lower and upper bounds for the projected population results.
- 1.5 The range of base information sources used in the process of preparing the school catchment area projections, include:
- Ministry of Education-provided definitions of Hastings school catchments by Census Area Unit.
  - HPUDS Strategy and Hastings District Council LTP demographic projection reports ('Heretaunga Plains Urban Development Strategy 2017' and a report prepared by ESL in

September 2017 for the Hastings District Council entitled 'Updated Hastings District Demographic and Sector Floorspace Growth Projections 2018-2058'.

- Statistics New Zealand demographic information comprising historical Census age-group based population results for the 1996-2013 period; population estimates for the 2014-2017 period; and the latest available (2013 Census based) age-group based population projections figures for the Hastings District for the period 2018-2038.
- Other relevant information provided in the course of discussions with Ministry of Education staff on the analysis project.

## 2. Base Household and Population Growth Projections

- 2.1 **Tables 1 and 2** on pages 3 and 4 provide the latest available sub-district household and population growth projections for the 2018-2038 period, for Hastings District CAU areas. The projections were developed later last year by ESL for the Hastings District Council, for the purposes of the formulation of the Council's latest Long Term Plan for the period 2018-2028 and longer-term infrastructural planning.
- 2.2 The household growth projections are based in the first instance on updated figures developed by ESL in early 2016 for the purposes of the first 5-yearly review of the HPUDS Strategy. It is noted that the Strategy relates to a defined part of the combined Napier-Hastings area which does not include all Hastings district CAUs. In September 2017, ESL prepared an updated set of long-term household growth projections for the Hastings District Council, based on more recent (compared to HPUDS) residential growth patterns in the district and also incorporating updated Council information on the anticipated profile of new housing development (including 'greenfield', 'infill' and 'rural-residential' housing) in the area over the longer-term.
- 2.3 **Table 1** indicates that additional household growth across the full Hastings District of 4,726 or 16% is currently projected for the 2018-2038 period. The CAUs projected to record the largest gain in households are, in order, Parkvale, Brookvale, Irongate, Akina, Longlands South, Mahora, Frimley, Twyford, Karamu, Raureka, St Leonards, Hastings Central, Mayfair, Havelock Hills and Kingsley-Chatham.
- 2.4 Over the period, 'greenfield' housing is projected to account for 46% of total new housing development in the district, 'infill'/intensification housing 40% and rural/lifestyle housing the balance of 14%.
- 2.5 The CAU based total population projections in **Table 2** were derived taking into account SNZ Medium and High projections for total Hastings district population growth, CAU shares of total district household growth as indicated in Table 1 (historical Census results generally indicate a close link between CAU based household and population shares of the total) and the overall pattern of projected long-term (40 years out) population growth within the district.
- 2.6 The total Hastings District population is projected to increase by 10,450 or approximately 13% during 2018-2038. Strongest population growth for the period is projected for, in order, the Parkvale, Brookvale, Irongate, Longlands South, Akina, Mahora, Karamu and Twyford CAU areas. Noticeable population decline is projected for the Te Mata, Flaxmere East and Lochain CAUs.

Table 1: Projected Total Household Growth Within Hastings District 2018-2038

Census Area Unit	Estimated Households June					Change 2018-2038
	2018	2023	2028	2033	2038	
Twyford	409	419	572	652	652	243
Karamu	667	903	903	903	903	236
Whakatu	299	300	305	310	315	16
Clive	720	727	750	755	760	40
Haumoana	962	980	1,010	1,015	1,020	58
Brookvale	221	321	496	621	746	525
Irongate	180	195	395	475	545	365
Longlands South	383	516	591	606	701	318
Tangoio	310	328	333	335	340	30
Eskdale	299	314	343	355	365	66
Sherenden-Puketapu	1,095	1,113	1,123	1,130	1,140	45
Omahu	137	143	163	165	165	28
Waiohiki	160	180	200	205	210	50
Pakowhai	205	233	263	270	275	70
Maraekakaho	513	530	555	570	585	72
Bridge Pa	279	279	279	279	287	8
Poukawa	548	556	566	576	587	39
Pakipaki	256	315	328	337	340	84
Waimarama	484	497	507	517	528	44
Tutira	249	250	250	255	260	11
Puketitiri	152	154	154	159	164	12
Whanawhana	101	101	106	106	111	10
Mahora	1,431	1,534	1,637	1,690	1,743	312
St Leonards	1,220	1,243	1,266	1,308	1,350	130
Frimley	938	1,136	1,208	1,208	1,208	270
Raureka	1,642	1,676	1,710	1,760	1,810	168
Mayfair	1,619	1,649	1,679	1,699	1,719	100
Parkvale	1,390	1,554	1,718	1,857	1,996	606
Hastings Central	1,357	1,384	1,411	1,439	1,467	110
Akina	1,858	1,972	2,086	2,146	2,206	348
Woolwich	14	14	14	14	14	0
Camberley	649	651	651	651	651	2
Kingsley-Chatham	898	913	938	963	991	93
Lochain	854	855	855	855	855	1
Flaxmere East	1,188	1,188	1,188	1,188	1,188	0
Anderson Park	578	578	578	578	578	0
Iona	1,272	1,280	1,293	1,305	1,320	48
Havelock Hills	411	412	412	462	511	100
Te Mata	1,713	1,713	1,713	1,713	1,713	0
Havelock North Central	1,335	1,347	1,359	1,364	1,373	38
Te Mata Hills	450	460	465	476	481	31
<b>Total</b>	<b>29,446</b>	<b>30,913</b>	<b>32,373</b>	<b>33,273</b>	<b>34,172</b>	<b>4,726</b>



**Table 2: Projected Total Population Growth within Hastings District 2018-2038**

Census Area Units	Estimated Population June					Change 2018-2038
	2018	2023	2028	2033	2038	
<b>Hastings District:</b>						
Twyford	1,122	1,136	1,528	1,741	1,741	<b>619</b>
Karamu	1,830	2,446	2,448	2,450	2,452	<b>622</b>
Whakatu	819	822	825	828	837	<b>18</b>
Clive	1,975	1,991	2,007	2,023	2,039	<b>64</b>
Haumoana	2,637	2,654	2,699	2,710	2,709	<b>72</b>
Brookvale	605	870	1,325	1,658	1,981	<b>1,376</b>
Irongate	494	528	1,055	1,268	1,447	<b>953</b>
Longlands South	1,052	1,398	1,579	1,618	1,862	<b>810</b>
Tangoio	850	889	890	895	903	<b>53</b>
Eskdale	821	852	917	948	969	<b>148</b>
Sherenden-Puketapu	3,004	3,016	3,031	3,046	3,061	<b>57</b>
Omahu	374	386	434	441	456	<b>82</b>
Waiohiki	437	486	533	547	558	<b>121</b>
Pakowhai	561	630	702	721	730	<b>169</b>
Maraekakaho	1,407	1,436	1,483	1,522	1,554	<b>147</b>
Bridge Pa	766	739	766	793	820	<b>54</b>
Poukawa	1,503	1,507	1,513	1,539	1,559	<b>56</b>
Pakipaki	702	854	877	900	903	<b>201</b>
Waimarama	1,327	1,346	1,355	1,380	1,402	<b>75</b>
Tutira	683	685	687	689	691	<b>8</b>
Puketitiri	417	417	411	424	435	<b>18</b>
Whanawhana	276	273	283	283	294	<b>18</b>
Mahora	3,925	4,157	4,375	4,514	4,629	<b>704</b>
St Leonards	3,347	3,368	3,384	3,494	3,585	<b>238</b>
Frimley	2,572	3,078	3,228	3,262	3,296	<b>724</b>
Raureka	4,503	4,540	4,569	4,700	4,807	<b>304</b>
Mayfair	4,439	4,467	4,486	4,536	4,565	<b>126</b>
Parkvale	3,813	4,211	4,592	4,960	5,301	<b>1,488</b>
Hastings Central	3,723	3,751	3,771	3,844	3,896	<b>173</b>
Akina	5,095	5,343	5,574	5,731	5,858	<b>763</b>
Woolwich	38	37	37	37	37	<b>-1</b>
Camberley	1,781	1,776	1,771	1,766	1,761	<b>-20</b>
Kingsley-Chatham	2,462	2,474	2,506	2,572	2,632	<b>170</b>
Lochain	2,341	2,315	2,284	2,282	2,270	<b>-71</b>
Flaxmere East	3,258	3,219	3,174	3,172	3,155	<b>-103</b>
Anderson Park	1,584	1,581	1,578	1,575	1,572	<b>-12</b>
Iona	3,487	3,468	3,476	3,485	3,505	<b>18</b>
Havelock Hills	1,126	1,156	1,196	1,234	1,357	<b>231</b>
Te Mata	4,697	4,641	4,577	4,574	4,572	<b>-125</b>
Havelock North Central	3,661	3,676	3,691	3,706	3,721	<b>60</b>
Te Mata Hills	1,235	1,246	1,258	1,272	1,278	<b>43</b>
<b>Total</b>	<b>80,750</b>	<b>83,865</b>	<b>86,875</b>	<b>89,140</b>	<b>91,200</b>	<b>10,450</b>

### 3. 'Hastings Urban' Area School Population Projections

3.1 For the purposes of the projections analysis, the Hastings Urban area school catchment comprises the CAUs of Akina, Camberley, Frimley, Hastings Central, Irongate (50% of this CAU), Karamu (65% of this CAU), Longlands South (50% of this CAU), Mahora, Mayfair, Parkvale, Raureka and St Leonards.

#### Context

3.2 In order to provide a wider area context for the requested school age-group catchment area projections in this report, **Table 3** below provides the relevant SNZ projections for the entire Hastings district.

**Table 3: Total Hastings District Projected School Age-Group Population Growth 2018-2038**

Census Year	Projection/Age-Group								
	Low			Medium			High		
	5-9 Years	10-14 Years	15-19 Years	5-9 Years	10-14 Years	15-19 Years	5-9 Years	10-14 Years	15-19 Years
<b>2013</b>	5,820	5,970	5,490	5,820	5,970	5,490	5,820	5,970	5,490
<b>2018</b>	6,010	5,920	5,340	6,100	6,010	5,420	6,190	6,100	5,510
<b>2023</b>	5,450	6,070	5,240	5,880	6,260	5,420	6,320	6,440	5,610
<b>2028</b>	5,210	5,510	5,390	5,840	6,040	5,670	6,470	6,570	5,950
<b>2033</b>	4,900	5,270	4,840	5,720	6,000	5,460	6,550	6,730	6,080
<b>2038</b>	4,550	4,960	4,600	5,540	5,880	5,420	6,570	6,810	6,240

3.3 Under the Medium projection, the 5-9 age-group population continues to fall from year 2018. The 10-14 population increases over 2018-2023 but then falls from that point. The 15-19 population increases overall between 2018 and 2028 but then falls from that year. With the High projection, the respective age-group populations continue to increase during the projection period.

3.4 The overall Median age of the Hastings District population increases from approximately 40 years in 2018 to in the range 43.2 years (High projection) to 44.5 years (Median projection). Those parts of the school catchment areas projected to record the highest increase in the Median age under the Medium projection include Clive, Haumoana, Frimley, Raureka, Parkvale, Hastings Central, Akina, Kingsley-Chatham, Flaxmere East, Havelock Hills and Te Mata Hills. The areas projected to record either a decline in the Median age or only a small increase in this indicator include Pakipaki, Brookvale, Longlands South, Iona and Havelock North Central.

3.5 By way of further context, **Table 4** below provides SNZ's combined aged 5-19 years population projections for each of the three school catchment areas and incorporating the entire CAU areas contained within each catchment area. With the Low projection, the combined age-group population falls from 2018 in the case of all three areas. With the Medium projection, this is also the case for the Hastings Urban area; however, in the case of Flaxmere, the population increases over the 2018-2023 interval but then falls from that point. In the Havelock North case, the population continues to increase until year 2028 but then falls from that point. Under the High projection, the population of all three catchment areas continues to increase over the period.

**Table 4: Hastings School Catchment Areas Projected 5-19 Population Growth 2018-2038**

Census Year	Projection/Age-Group 5-19 Years								
	Low			Medium			High		
	Hastings Urban	Flaxmere	Havelock North	Hastings Urban	Flaxmere	Havelock North	Hastings Urban	Flaxmere	Havelock North
<b>2013</b>	7,400	3,010	5,230	7,400	3,010	5,230	7,400	3,010	5,230
<b>2018</b>	7,415	2,925	5,275	7,535	2,975	5,390	7,710	3,070	5,505
<b>2023</b>	7,110	2,830	5,165	7,520	3,020	5,500	7,890	3,240	5,790
<b>2028</b>	6,805	2,675	5,045	7,500	2,915	5,540	8,185	3,380	6,015
<b>2033</b>	6,220	2,375	4,770	7,270	2,810	5,460	8,275	3,475	6,140
<b>2038</b>	5,725	2,105	4,620	7,030	2,625	5,440	8,335	3,500	6,240

### Projections Methodology

3.6 The methodology used in this report in order to generate the requested school age-group population projections for each of the three catchment areas, comprises as follows:

- a) The CAU population results in Table 2 were allocated to each of the school catchment areas as appropriate;
- b) The latest available SNZ age-group population projections for Hastings District CAUs, for the 2018-2038 interval, were then applied to the various CAU population projections determined in step a) above. This results in the provision of revised CAU population projections for the three school catchment areas, for the relevant 5-9, 10-14 and 15-19 age-groups. Both SNZ Medium and High projection scenario results have been calculated;
- c) Thus, the school age-group projections presented in this report fundamentally reflect SNZ's latest 2013 Census based population growth projections for the relevant age-groups;
- d) Historical 1996-2013 Census results for the Hastings District, in relation to individual year proportions of broad age-group populations, were used in order to derive the appropriate projection figures for the requested age-groups (5-10, 11-12 and 13-19 years) in the catchment areas. An average individual year share across the past four Censuses was calculated and applied to the projected age-group populations for the 2018-2038 interval;
- e) The results of the above methodology are Medium and High population growth projections for the requested school age-groups, for the various CAUs within each catchment area, for the period 2018-2038.

3.7 *It is emphasised that the projection results are fundamentally based on:*

- *The latest available Hastings District Council projections for the distribution within the Hastings District of new household growth on a CAU basis.*
- *SNZ 2013 Census based age-group population growth projections.*
- *Historical long-term Census based individual year proportions of broader age-group category population tallies.*

*To the extent that the locational pattern of future household growth in the Hastings District is different from the current projection and the 2018 Census results generate different age-group population growth projections for the future, the population projections provided in this report will need to be reviewed and updated.*

3.8 It is also emphasised that the actual 2018 Census age-group population results for the three school catchments covered in this report's analysis should also be reviewed in relation to the results for projected age-group based population growth to that year, based on the 2013 Census figures. This will assist in determining whether projected future population growth in each catchment is most likely to be closer to the lower (Medium) or upper (High) bounds for population growth.

### 'Hastings Urban' Catchment Projections

- 3.9 Tables 5(a) and 5(b) over-page present the projection results for the Hastings Urban school catchment. It is noted that the difference between these results and those of SNZ for the various CAU areas can be traced to the differing age-group bands used (e.g. 5-10 years versus 5-9 years and 11-12 years versus 10-14 years); differences in the CAU areas comprising some of the catchment areas (i.e. not all of the CAU areas are included in a particular school catchment area, for example, only 65% of the Karamu CAU and 50% of the Irongate and Longlands South CAUs are included in the Hastings Urban catchment); and the need to use historical Census results in order to calculate individual year proportions of a broader age-group total (e.g. the year 10 proportion of the 10-14 population) and apply the same proportion over the projection period.
- 3.10 Under the Medium projection, the total 5-10 years population of the area increases over 2018-2023 but then falls gradually from that point. Under the High projection, the increase over 2018-2023 is significantly higher and the population fall thereafter more gradual. The CAUs projected to record an overall increased 5-10 population during the 20-year interval, under both projection scenarios, are Mahora, Parkvale, Irongate, Camberley and Longlands South. In addition, Karamu, Frimley and Mayfair are projected to record an increased population under the High growth projection.

**Table 5a: Hastings Urban School Catchment Projected 5-10 Years Population Growth 2018-2038**

Census Area Unit	Census Year									
	Age-Group 5-10 Years									
	2018		2023		2028		2033		2038	
	Med	High	Med	High	Med	High	Med	High	Med	High
<i>Karamu 65%</i>	98	95	112	113	105	108	96	99	90	98
<i>Mahora</i>	356	360	390	398	403	413	401	429	414	431
<i>St Leonards</i>	332	336	269	280	253	261	257	269	261	278
<i>Frimley</i>	229	226	332	335	247	257	231	239	216	230
<i>Mayfair</i>	418	409	463	475	460	481	438	459	414	445
<i>Parkvale</i>	303	309	300	316	322	334	328	348	331	348
<i>Hastings Central</i>	232	241	258	259	234	245	210	230	181	203
<i>Irongate 50%</i>	15	15	15	18	36	35	44	45	50	52
<i>Raureka</i>	442	433	397	412	384	406	395	415	390	415
<i>Camberley</i>	183	179	189	196	189	194	188	194	185	197
<i>Akina</i>	518	526	489	501	476	506	474	506	455	491
<i>Longlands South 50%</i>	43	44	51	54	54	54	57	57	63	65
<b>All CAUs</b>	<b>3,169</b>	<b>3,173</b>	<b>3,267</b>	<b>3,357</b>	<b>3,163</b>	<b>3,294</b>	<b>3,119</b>	<b>3,290</b>	<b>3,050</b>	<b>3,251</b>

3.11 The total catchment area 5-10 population changes within the long-term period are as follows:

- **2018-2023:** Medium projection +98 and High projection +184.
- **2018-2028:** Medium projection -6 and High projection +121.
- **2018-2033:** Medium projection -50 and High projection +117.
- **2018-2038:** Medium projection -119 and High projection +78.

3.12 In terms of the 11-12 year old population (**Table 5b below**), the Medium and High projection trends are broadly similar to those for the 5-10 year olds. The population increases over the first Census period and then falls gradually over the rest of the projection period. A majority of the CAU areas record overall population gain to varying degrees during the projection period under the Medium projection and this situation is more pronounced with the High projection.

3.13 The total catchment area 11-12 population changes within the long-term period are as follows:

- **2018-2023:** Medium projection +110 and High projection +93.
- **2018-2028:** Medium projection +57 and High projection +84.
- **2018-2033:** Medium projection +57 and High projection +81.
- **2018-2038:** Medium projection +33 and High projection +79.

**Table 5b: Hastings Urban School Catchment Projected 11-12 Years Population Growth 2018-2038**

Census Area Unit	Census Year									
	Age-Group 11-12 Years									
	2018		2023		2028		2033		2038	
	Med	High	Med	High	Med	High	Med	High	Med	High
<i>Karamu 65%</i>	30	30	48	46	39	40	38	39	36	36
<i>Mahora</i>	115	113	108	108	123	123	122	128	125	128
<i>St Leonards</i>	101	99	1408	108	82	85	84	84	85	87
<i>Frimley</i>	65	67	107	108	80	83	75	80	70	74
<i>Mayfair</i>	143	140	132	134	157	161	153	157	144	152
<i>Parkvale</i>	106	104	105	106	108	112	109	112	110	117
<i>Hastings Central</i>	67	70	75	72	79	83	746	78	62	73
<i>Irongate 50%</i>	65	6	5	6	10	11	14	13	16	17
<i>Raureka</i>	143	140	159	157	137	144	144	148	143	151
<i>Camberley</i>	79	79	73	69	76	77	73	74	75	75
<i>Akina</i>	130	143	168	165	143	150	146	153	140	152
<i>Longlands South 50%</i>	16	17	22	22	22	22	23	22	25	25
<b>All CAUs</b>	<b>1,000</b>	<b>1,008</b>	<b>1,110</b>	<b>1,101</b>	<b>1,057</b>	<b>1,091</b>	<b>1,057</b>	<b>1,088</b>	<b>1,033</b>	<b>1,086</b>

## 4. 'Flaxmere' Catchment School Population Projections

4.1 **Tables 6a and 6b** over-page provide projected population growth figures for the Flaxmere school catchment area (comprising the CAU areas of Kingsley-Chatham, Lochain, Flaxmere East and 50% of the Irongate CAU area) in Hastings, for the requested 5-12 years age band. The projections have been calculated using the same approach as for the projections in the previous section. **Table 6c** provides the combined results for these two age-group bands.

4.2 Under both projection scenarios, the total 5-10 population falls gradually over time. With the Medium projection, the 11-12 population increases during the first Census interval and then generally falls from that point. The total population in this age group fluctuates during the projection period, in terms of the High projection.

4.3 The Irongate 5-10 population increases after year 2023, under both scenarios.

4.4 Under the Medium projection, the combined 5-12 population continues to fall gradually over the projection period. The High projection population falls gradually from year 2023.

Table 6a: Flaxmere School Catchment Projected 5-10 Population Growth 2018-2038

Census Area Unit	Census Year									
	Age-Group 5-10 Years									
	2018		2023		2028		2033		2038	
	Med	High	Med	High	Med	High	Med	High	Med	High
<i>Kingsley-Chatham</i>	318	317	302	313	298	309	290	313	285	301
<i>Lochain</i>	306	305	283	289	267	280	259	270	242	258
<i>Flaxmere East</i>	378	378	369	383	353	367	347	359	325	343
<i>Irongate 50%</i>	16	15	16	18	35	34	44	45	46	54
<b>All CAUs</b>	<b>1,018</b>	<b>1,015</b>	<b>970</b>	<b>1,003</b>	<b>953</b>	<b>990</b>	<b>940</b>	<b>987</b>	<b>898</b>	<b>956</b>

Table 6b: Flaxmere School Catchment Projected 11-12 Population Growth 2018-2038

Census Area Unit	Census Year									
	Age-Group 11-12 Years									
	2018		2023		2028		2033		2038	
	Med	High	Med	High	Med	High	Med	High	Med	High
<i>Kingsley-Chatham</i>	90	90	97	94	88	93	91	96	90	95
<i>Lochain</i>	94	94	94	94	86	91	86	90	80	86
<i>Flaxmere East</i>	111	112	121	121	116	118	114	118	113	115
<i>Irongate 50%</i>	6	5	6	5	11	11	14	13	16	17
<b>All CAUs</b>	<b>301</b>	<b>301</b>	<b>318</b>	<b>314</b>	<b>301</b>	<b>313</b>	<b>305</b>	<b>317</b>	<b>299</b>	<b>313</b>

Table 6c: Flaxmere School Catchment Projected Combined 5-12 Population Growth 2018-2038

Census Area Unit	Census Year									
	Overall Age-Group 5-12 Years									
	2018		2023		2028		2033		2038	
	Med	High	Med	High	Med	High	Med	High	Med	High
<i>Kingsley-Chatham</i>	408	407	399	407	386	402	381	409	375	396
<i>Lochain</i>	400	399	377	383	353	371	345	360	322	344
<i>Flaxmere East</i>	489	490	490	504	469	485	461	477	438	458
<i>Irongate 50%</i>	22	22	22	23	46	47	58	58	62	71
<b>All CAUs</b>	<b>1,319</b>	<b>1,316</b>	<b>1,288</b>	<b>1,317</b>	<b>1,254</b>	<b>1,303</b>	<b>1,245</b>	<b>1,304</b>	<b>1,197</b>	<b>1,269</b>

4.5 The total catchment area 5-12 population changes within the long-term period are as follows:

- **2018-2023:** Medium projection -31 and High projection +1.
- **2018-2028:** Medium projection -65 and High projection -13.
- **2018-2033:** Medium projection -74 and High projection -12.
- **2018-2038:** Medium projection -122 and High projection -47.

## 5. 'Havelock North' Catchment School Population Projections

5.1 For the purposes of the report, the Havelock North school catchment comprises the CAU areas of Anderson Park, Brookvale, Clive, Haumoana, Havelock Hills, Havelock North Central, Iona, Longlands South (50% of the CAU), Pakipaki (50% of the CAU), Te Mata, Te Mata Hills, Waimarama, Whakatu, Karamu (35% of the CAU) and Poukawa (30% of the CAU).

5.2 **Table 7a** over-page provides the projections which ESL has calculated for the 5-10 age-group population within the Havelock North schools catchment area, for the 2018-2038 interval.

- 5.3 Under the Medium projection, the population result falls gradually during the period and overall by 5%. The CAUs projected to record overall population gain during the period are Brookvale (especially) and Longlands South/Pakipaki. Population decline is highest for the Haumoana, Havelock North Central, Clive and Iona CAUs.
- 5.4 Under the High growth projection scenario, the total catchment area population also falls gradually during the projection period. Again, Brookvale and Longlands South/Pakipaki are projected to record most population growth over the long-term, with Karamu/Poukawa CAUs projected to record marginal growth. Haumoana, Havelock North Central, Clive and Te Mata CAUs are projected to record most population decline over the period.

**Table 7a: Havelock North School Catchment Area Population Projections for 5-10 Age Group**

Census Area Unit	Census Year									
	Age-Group 5-10 Years									
	2018		2023		2028		2033		2038	
	Med	High	Med	High	Med	High	Med	High	Med	High
<i>Anderson Park</i>	168	166	164	168	158	164	152	159	145	154
<i>Brookvale</i>	43	43	61	65	96	91	110	113	134	136
<i>Clive</i>	174	171	155	160	146	153	144	150	141	148
<i>Haumoana</i>	221	227	202	216	198	199	185	194	174	180
<i>Havelock Hills</i>	87	90	67	70	68	65	67	67	77	75
<i>Havelock Nth Central</i>	313	305	302	299	285	287	271	277	269	268
<i>Iona</i>	303	297	291	302	290	297	276	285	270	285
<i>Longlands South 50%</i>	43	43	51	53	54	55	57	56	62	64
<i>Pakipaki 75%</i>	46	45	67	64	69	71	70	71	65	68
<i>Te Mata</i>	328	328	319	320	310	311	310	311	309	309
<i>Te Mata Hills</i>	82	81	73	73	68	68	66	69	69	69
<i>Waimarama</i>	113	114	104	109	103	106	105	107	104	104
<i>Whakatu</i>	88	86	85	85	84	88	85	88	84	85
<i>Karamu 35%</i>	53	51	60	61	56	59	51	54	48	53
<i>Poukawa 30%</i>	41	39	42	42	42	42	42	42	40	41
<b>All CAUs</b>	<b>2,103</b>	<b>2,086</b>	<b>2,043</b>	<b>2,087</b>	<b>2,027</b>	<b>2,056</b>	<b>1,991</b>	<b>2,043</b>	<b>1,991</b>	<b>2,039</b>

- 5.5 The total catchment area 5-10 population changes within the long-term period are as follows:
- **2018-2023:** Medium projection -60 and High projection +1.
  - **2018-2028:** Medium projection -76 and High projection -30.
  - **2018-2033:** Medium projection -112 and High projection -43.
  - **2018-2038:** Medium projection -112 and High projection -47.
- 5.6 **Table 7b** provides the population projections for the 11-12 years age-group in the catchment area. Under the Medium population growth projection, the population in this age-group increases during 2018-2023 but drops back during the balance of the projection period. Brookvale CAU is projected to record most overall population gain during the projection interval, followed by Iona, Longlands South and Pakipaki CAUs.
- 5.7 Under the High projection, the total age-group population also increases over 2018-2023 but then falls overall from that point. Again, Brookvale is projected to record the highest overall population gain during the interval, followed by Iona and Pakipaki CAUs.

5.8 The total catchment area 11-12 population changes within the long-term period are as follows:

- **2018-2023:** Medium projection +33 and High projection +34.
- **2018-2028:** Medium projection -1 and High projection +15.
- **2018-2033:** Medium projection +2 and High projection +15.
- **2018-2038:** Medium projection +1 and High projection +10.

**Table 7b: Havelock North Schools Catchment Area Population Projections for 11-12 Age Group**

Census Area Unit	Census Year									
	Age-Group 11-12 Years									
	2018		2023		2028		2033		2038	
	Med	High	Med	High	Med	High	Med	High	Med	High
<i>Anderson Park</i>	53	54	48	48	48	50	46	49	44	47
<i>Brookvale</i>	21	21	22	24	38	36	44	41	49	49
<i>Clive</i>	57	56	54	54	48	49	46	48	47	47
<i>Haumoana</i>	73	72	84	81	76	76	72	74	71	72
<i>Havelock Hills</i>	37	36	33	34	29	29	28	28	32	30
<i>Havelock Nth Central</i>	104	102	115	113	106	109	105	105	100	98
<i>Iona</i>	86	84	105	105	98	100	100	99	95	99
<i>Longlands South 50%</i>	16	17	22	22	22	22	23	22	25	25
<i>Pakipaki 75%</i>	16	16	19	18	25	25	25	27	25	26
<i>Te Mata</i>	132	131	124	124	117	117	121	119	121	115
<i>Te Mata Hills</i>	35	36	33	33	29	31	30	31	29	29
<i>Waimarama</i>	52	50	43	43	39	40	39	40	40	40
<i>Whakatu</i>	29	28	31	30	29	29	30	31	31	31
<i>Karamu 35%</i>	16	16	27	25	22	21	22	22	21	21
<i>Poukawa 30%</i>	14	14	14	13	14	14	14	14	14	14
<b>All CAUs</b>	<b>741</b>	<b>733</b>	<b>774</b>	<b>767</b>	<b>740</b>	<b>748</b>	<b>743</b>	<b>748</b>	<b>742</b>	<b>743</b>

5.9 Table 7c below provides population projections for the 13-19 age-group in the catchment area.

**Table 7c: Havelock North Schools Catchment Area Population Projections for 13-19 Age Group**

Census Area Unit	Census Year									
	Age-Group 13-19 Years									
	2018		2023		2028		2033		2038	
	Med	High	Med	High	Med	High	Med	High	Med	High
<i>Anderson Park</i>	170	175	173	173	162	167	160	167	152	162
<i>Brookvale</i>	65	68	92	91	118	120	145	146	173	165
<i>Clive</i>	187	184	192	187	180	177	162	164	159	162
<i>Haumoana</i>	230	236	205	198	229	230	203	214	203	200
<i>Havelock Hills</i>	128	125	115	112	104	104	87	92	100	97
<i>Havelock Nth Central</i>	317	309	335	332	355	358	341	346	325	332
<i>Iona</i>	304	309	317	320	364	362	351	350	341	349
<i>Longlands South 50%</i>	44	44	62	61	69	69	65	64	71	73
<i>Pakipaki 75%</i>	43	43	59	57	65	63	79	81	78	82
<i>Te Mata</i>	414	413	410	409	387	386	377	378	387	382
<i>Te Mata Hills</i>	92	96	92	92	85	85	79	81	77	77
<i>Waimarama</i>	135	130	132	132	110	115	108	112	112	113
<i>Whakatu</i>	91	89	89	89	92	92	89	93	98	94
<i>Karamu 35%</i>	54	55	75	73	79	78	72	73	68	67
<i>Poukawa 30%</i>	38	37	39	40	39	40	41	42	43	44
<b>All CAUs</b>	<b>2,312</b>	<b>2,312</b>	<b>2,389</b>	<b>2,366</b>	<b>2,438</b>	<b>2,446</b>	<b>2,361</b>	<b>2,403</b>	<b>2,387</b>	<b>2,399</b>



- 5.10 Under the Medium projection, the total population of this age-group continues to increase over the 2018-2028 period, drops back over the following Census period but then increases again during the last Census period. Population growth over the full projection period is very noticeable for the Brookvale CAU and the Iona, Pakipaki and Longlands South CAUs to a lesser extent. Limited population growth is projected for the Havelock North Central, Whakatu, Karamu and Poukawa CAUs. Noticeable population decline for the period is projected for the Clive, Havelock Hills, Haumoana, Te Mata, Waimarama and Te Mata Hills CAUs.
- 5.11 Under the High projection, overall population growth for the 13-19 age-group is also projected for the 2018-2028 period; the population then falls away during the following 10-year projection interval. Overall population growth is projected for the Brookvale, Iona, Pakipaki, Longlands South and Havelock North Central CAUs. Most population decline is projected for the Haumoana, Te Mata, Havelock Hills and Clive CAUs.
- 5.12 The total catchment area 13-19 population changes within the long-term period are as follows:
- **2018-2023:** Medium projection +77 and High projection +54.
  - **2018-2028:** Medium projection +126 and High projection +134.
  - **2018-2033:** Medium projection +49 and High projection +91.
  - **2018-2038:** Medium projection +75 and High projection +57.

## 6 Conclusion

- 6.10 The main summary points to note from the analysis in sections 3-5 are as follows:
- In terms of the Hastings Urban school catchment area, **Table 8** below summarises the projected total age-group population changes over the Census intervals. Population growth is projected for the 2018-2023 period but this is followed by ongoing population decline over the long-term. The leading CAU population growth areas for the projection period for the overall 5-12 age-group band under both the Medium and High projection scenarios, are Mahora, Parkvale, Irongate and Longlands South. The leading population decline areas are St Leonards, Hastings Central and Akina CAUs.

**Table 8: Hastings Urban School Catchment Area Projected Population Growth 2018-2038**

Census Year	Projected Population			
	Aged 5-10 Years		Aged 11-12 Years	
	Medium	High	Medium	High
<b>2018</b>	3169	3173	1000	1008
<b>2023</b>	3267	3357	1110	1101
<b>Change 2018-2023</b>	<b>98</b>	<b>184</b>	<b>110</b>	<b>93</b>
<b>2028</b>	3163	3294	1057	1091
<b>2033</b>	3119	3290	1057	1088
<b>2038</b>	3050	3251	1033	1086
<b>Change 2023-2038</b>	<b>-217</b>	<b>-106</b>	<b>-77</b>	<b>-15</b>

- In terms of the Flaxmere area school catchment, **Table 9** below summarises the projected total age-group population change over the Census intervals. Population decline is projected for the 2018-2023 period for the Medium projection and minimal population growth for the High projection. This is followed by ongoing population decline for the rest of the projection period, under both projection scenarios. The leading CAU population growth area for the projection period for the overall 5-12 age band under both the Medium and High projection scenarios, is Irongate. The leading population decline areas are Flaxmere East and Lochain CAUs.

**Table 9: Flaxmere School Catchment Area Projected Population Growth 2018-2038**

Census Year	Projected Population			
	Aged 5-10 Years		Aged 11-12 Years	
	Medium	High	Medium	High
<b>2018</b>	1018	1015	301	301
<b>2023</b>	970	1003	318	314
<b>Change 2018-2023</b>	<b>-48</b>	<b>-12</b>	<b>17</b>	<b>13</b>
<b>2028</b>	953	990	301	313
<b>2033</b>	940	987	305	317
<b>2038</b>	898	956	299	313
<b>Change 2023-2038</b>	<b>-72</b>	<b>-47</b>	<b>-19</b>	<b>-1</b>

- In terms of the Havelock North schools catchment, **Table 10** below summarises the projected total age-group population change over the Census intervals. The 5-12 population is generally projected to decline over the long-term whilst the 11-12 population increases over 2018-2023 but then continues to fall over the projection period. The 13-19 population also increases during the first Census interval with a further overall gain projected for the 2023-2038 period. The leading CAU population growth areas for the projection period for the overall 5-19 age band under both the Medium and High projection scenarios, are Brookvale, Pakipaki and Longlands South. The leading population decline areas are Anderson Park, Clive, Haumoana, Havelock Hills, Te Mata, Te Mata Hills and Waimarama CAUs.

**Table 10: Havelock North School Catchment Area Projected Population Growth 2018-2038**

Census Year	Projected Population					
	Aged 5-10 Years		Aged 11-12 Years		Aged 13-19 Years	
	Medium	High	Medium	High	Medium	High
<b>2018</b>	2102	2086	740	733	2311	2313
<b>2023</b>	2043	2087	772	767	2387	2365
<b>Change 2018-2023</b>	<b>-59</b>	<b>1</b>	<b>32</b>	<b>34</b>	<b>76</b>	<b>52</b>
<b>2028</b>	2029	2055	739	748	2439	2445
<b>2033</b>	1991	1963	744	749	2360	2404
<b>2038</b>	1992	2039	742	743	2387	2398
<b>Change 2023-2038</b>	<b>-51</b>	<b>-48</b>	<b>-30</b>	<b>-24</b>	<b>0</b>	<b>33</b>

- The projected increase in the total Hastings Urban catchment 5-12 population over the 2018-2023 Census interval, under both the Medium and High projection scenarios, is consistent with

the increasing trend over the past three years in the total student roll indicator for all qualifying schools in this catchment area.

- The projected ongoing fall in the total 5-12 population of the Flaxmere area is generally consistent with the long-term historical trend in the total school roll for the area and with last year's trend.
- The total school roll in the Havelock North catchment area has been increasing since 2012. The total 5-19 population of the area is projected to increase further until year 2028, before falling from that point under both the Medium and High projection scenarios.