

WISE Projections

Land Use Projections and Population Density Modelling by Census Area Unit

Final Report

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Prepared for Future Proof Councils by:

Tony Fenton
Alchemists Ltd
PO Box 9049, Rotorua

www.alchemists.co.nz



Disclaimer:

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Contents

Executive Summary	5
Acknowledgements	5
1 Introduction.....	6
2 Process and Methods.....	7
3 Updates to Setup and Land Use Parameters in WISE	9
3.1 Projecting future changes in population proportions and densities for residential land uses in Future Proof TA's	9
3.2 Review the starting population proportions and densities for residential land uses in Hamilton City and Waipa District.....	12
3.2.1 Analysis of Valuation Database for Residential Property Types... ..	12
3.2.2 Correction of Land Use Layer for “Gridding Effect’	13
3.3 Update and Revision of Zoning and Growth Cells in WISE	15
3.3.1 Changes for Future Proof area setup	15
3.3.2 Regional changes to setup	15
4 WISE Land Use Projections by CAU	16
4.1 Process Methodology	16
4.2 Projection CAU Results	16
5 WISE Residential Densities – Redistribution Modelling to CAU	19
5.1 ‘Capacity Mismatch’ Issue	19
5.2 Redistribution Model.....	21
5.2.1 Density Redistribution – Methodology	21
5.2.2 Density Redistribution - Results.....	22
5.2.3 Density Redistribution – Limitations and Caveats	23
6 Discussion and Conclusions.....	23
7 References	25
8 Appendix	26
8.1 Modelling Process for projecting future residential densities and proportions	26
8.2 Medium Population Projection – Land Use Projection Summaries.....	27
8.3 Low Population Projection – Land Use Projection Summaries.....	75
8.4 Future residential density and proportion model.....	124
8.5 Hamilton City Council – Analysis to Revise Residential 2013 Starting Figures	124
8.6 Waipa District Council – Analysis to Revise Residential 2013 Starting Figures	130



Executive Summary

In 2015, future projections of land use, population, households and labour force were developed by census area unit (CAU) for the Waikato Region (WRC, 2016a). Following review of this information, and the update of households generation data by Statistics NZ based on the 2013 census Future Proof (FP¹) Councils requested the 2015 projections are rerun based on the University of Waikato Medium and Low population projections (Cameron and Cochrane, 2016a).

As part of the review of outputs from the 2015 projections several improvements were identified that could be made to the input data and setup of the Waikato Integrated Scenario Explorer (WISE) model. This integrated model is used to generate future land use projections on which the allocation of population to CAU's is based.

These improvements were:

- A revision of future changes in population densities for residential land use types and proportions of population in each residential land use type for FP councils to reflect the projected reduction in household sizes.
- A review of the starting (2013) residential population densities and proportions for Hamilton City and Waipa District.
- Implementing changes to the WISE setup of district plan zoning and growth strategies to reflect preferred development patterns.

This report describes the process and methodologies used to:

- revise the starting and projected residential population densities for FP councils,
- disaggregate WISE land use projections by CAU, and
- undertake the 'redistribution' of residential population density from district level to CAU level based on 2013 starting land use data and change in residential land use growth during projections.

Projections of land use by CAU for 2013, 2021, 2031,2041, 2051 and 2061 are provided. Summary outputs from the other processes are also provided.

The land use by CAU and modelled CAU level residential population densities data from this report were provided to University of Waikato to support their modelling to project population, households and labour force by CAU (Cameron and Cochrane, 2016b).

Acknowledgements

I would like to acknowledge the support of Future Proof councils in undertaking this work. Council staff provided valuable input into the modelling processes and improvements to the setup of the WISE model.

In particular I would like to thank Myk Cameron (University of Waikato), Michael Spurr (Hamilton City Council), Anton Marais (Waikato District Council), Gary Knighton (Waipa District Council), Beat Huser (Waikato Regional Council) for their direct input and revision of data/models during the development of these projections.

¹ FutureProof is a grouping of Councils including Hamilton City Council, Waikato Regional Council and Waikato and Waipa District Councils

1 Introduction

Future projections of land use change, population dynamics (population, household, labour force) and economic growth (employment) are important to local government as information to help formulate district and structure planning.

An initial set of projections for these indicators was developed in mid-late 2014 using WISE V1.3. Following a significant update of WISE to V1.4 and the release of a final population data from the 2013 census, these projections were rerun in late 2015 and documented (WRC, 2016a). The update to WISE V1.4 included:

- Increased resolution of modelling (100 x 100m cells)
- New starting date of 2013 and starting land use layer
- Updated zoning data for all Districts
- A new land use suitability tool
- Updated transport layers.

For full details of the 'Reference' setup in WISE V1.4 see the Technical Specifications (WRC, 2016b) and description in previous Projections Report (WRC, 2016a).

Since the completion of the 2015 projections there has been further discussion between University of Waikato, Waikato Regional Council (WISE modelling) and Future Proof (FP) Councils have been held on the input data and modelling assumptions that have been used previously to project land use and households at a census area unit (CAU) level. The discussed issues have included:

- The need to use updated household generation figures only recently released by Statistic NZ
- Addressing 'Capacity Mismatch' that occurs in earlier projections for some CAU's which are seen as being at capacity or having limited growth capacity by staff – yet they are projected to have increases in population and households.
- Projecting future changes in residential densities based on projected changes in household sizes and any known policy/social drivers in each district.
- Revisiting the calculation of starting residential densities and proportions for Hamilton City and Waipa District
- Update growth zones across Future Proof area to ensure timing and scope is aligned with current thinking and accommodates expected demand
- The needs for councils to respond to the NPS on housing which requires councils to plan for demand above Statistics NZ medium population projection in specific areas.

Consequently FP councils sought to rerun the projections work with improvements in available household input data and apply modelling processes to provide outputs that minimise the 'Capacity' mismatches that have been identified with the previous projection outputs.

FP councils have also agreed to undertake two sets of projections based medium and low TA level projections provided by University of Waikato (Cameron & Cochrane, 2016a).

This report outlines the processes undertaken to review the identified issues, to rerun land use projections across the Waikato Region by CAU from 2013-2061, and the process developed and used to model residential densities at CAU level based on additional analysis of CAU property/population data. The specific data outputs generate by this work are:

- Revised residential proportion parameters and projected residential population densities for FP councils in WISE
- Land use projections by CAU for Waikato region in 2013, 2021, 2031, 2041, 2051, 2061

- Estimated of residential densities by CAU Waikato region in 2013, 2021, 2031, 2041, 2051, and 2061 based on separate modelling of 2013 property data and WISE CAU level land use projections.

The outputs from this work were then made available to University of Waikato to allow them to complete their total populations by CAU assessment (Cameron and Cochrane, 2016b).

2 Process and Methods

The work for this report was undertaken in five main steps (Figure 1). These steps interlink with work being undertaken by University of Waikato (hatched area) to model projections of households, labour force and population by CAU.

Step 1

Review the residential land use population input parameters to WISE for FP councils. Council staff were engaged in a process to review the key population related parameters that influence outcomes of the WISE model (average population density and proportion of population living in each residential land use class). This involved:

- Creation of a 'spreadsheet model' for estimation of future residential population densities and proportion of population in each residential land use type (lifestyle, low density residential, medium-high density residential). This process utilised revised figures of future average household sizes being provided by University of Waikato (Cameron & Cochrane, 2016a).
- The model was set up to work with each of three councils to review/improve this methodology to provide best estimates based on growth strategies and plans.
- Document of assumptions used and methods to arrive at final estimations.

Step 2

Development and testing of a population 'density redistribution model' that readjusts WISE generated district level average residential population density figures (for three residential land use types) to CAU level averages based on CAU specific characteristics (property types, property sizes, census data). This process involved:

- Spatial analysis of 2013 Valuation database and assessment of Census data to determine starting (2013) characteristics of each CAU.
- Development of a Excel spreadsheet model that redistributes TA level population density output from WISE (for three residential land use class) to a CAU level based on specific characteristics of that CAU. The model ensures that the area weighted averages of all CAU equal original TA level population figures from WISE. The model projected changes for each time step adjusting the figures based on the land use projections from WISE for that time step.
- Documentation of modeling assumptions and methodology

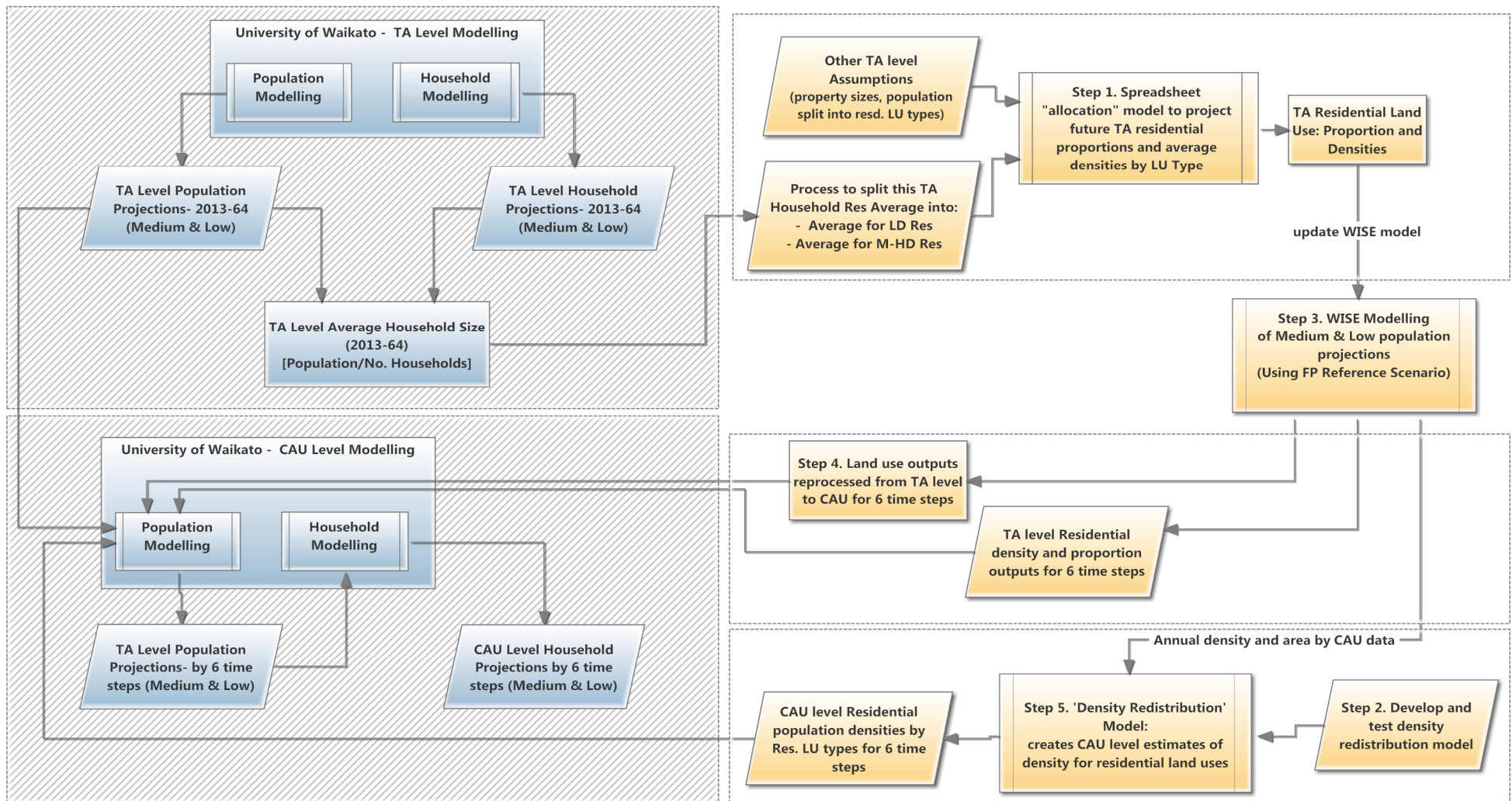


Figure 1: Process steps undertaken to develop projected CAU land use and residential densities (Hatched area not part of this report – See Cameron and Cochrane 2016a & b).

Step 3

Adjust and run WISE V1.4 model using the two TA level population projections (Medium, Low) provided by University of Waikato. This involved:

- Incorporating Step 1 outputs and any other adjustments identified by staff into WISE.
- Running WISE model for two population projections (Medium, Low), checking plausibility of outputs and discussions with council staff and adjustments as required
- Completion of final runs of WISE and output required data for Step 4.
- Documentation of process and changes made for these two projections

Step 4

Generation of land use projections by CAU. Required spatial analysis on WISE land use outputs for the key time steps (2013, 2021, 2031, 2041, 2051, and 2061) to determine the areas of land use types within each CAU for both TA level population projections (Med, Low). Results from these time steps were provided to University of Waikato for their analysis (Figure 1).

This CAU level analysis was also undertaken for each annual time step (2013 – 2061) as it was also required as an input into the residential density redistribution modelling in Step 5.

Step 5

Application of the residential population ‘redistribution model’ developed in Step 2 to the annual land use by CAU outputs produced for both population projections in Step 4.

Data outputs for residential land uses from the redistribution model were then provided to University of Waikato for both population projection (Medium and Low) to undertake their final CAU level analysis (Cameron and Cochrane 2016b).

3 Updates to Setup and Land Use Parameters in WISE

Since the completion of the earlier set of projections undertaken in 2015 (WRC, 2016a) further review and discussions with FP councils has resulted in a number of updates and improvements to the setup for the WISE V1.4 model for these projections. The changes are outlined here in three main sections.

3.1 Projecting future changes in population proportions and densities for residential land uses in Future Proof TA’s

Two key parameters that significantly influence the behavior of the WISE model and land use projections it produces are the estimates of future:

- population densities for residential land use types, and

- proportion of district population living in each of the three residential land use classes.

In previous projection work these numbers were set based on discussions with council staff about expected changes in intensification and infill, policy drivers, and expected living preferences. Subsequent discussions have placed a greater emphasis on the projected decline in household sizes on the future densities in residential land use types.

To represent the effect of household size change and plausible changes in future property sizes (m²/dwelling) an Excel spreadsheet model was developed to estimate future residential densities and proportions based on some key input parameters. The input parameters for the model are:

- Projected TA level average household size (Cameron and Cochrane, 2016a).
- Expected average property sizes for new developments in three residential land use classes.
- Expected percentage of new population growth that goes into each of three residential land use classes.

The modelling process is defined in a process diagram in Appendix 8.1. The spreadsheet model allowed council staff to vary the input parameters in the 'input sheet' (See Appendix 8.2 for an example) and assess the results and review settings to achieve what they consider is a plausible outcome for density and proportions. A separate spreadsheet was created for each FP council. The final outputs from this modelling work which were entered into WISE for the FP councils are summarised in Table 1.

The initial input data for 2013 property areas was based on an analysis of the number of properties in the land use class and starting land use areas in WISE. These represented current 'gross' property sizes as the areas for land uses in WISE, particularly for low density residential, can be larger than sum of the individual properties. This is the result of converting property shapes into the grid used in WISE. This tends to amalgamate small roads, verges etc into low density residential land use, and 'gross area can be 20-30% higher than what might be expected of actual property size.

The expected percentage of population growth that might go into each residential land use class in future is difficult to predict or model. Additional analysis was undertaken on Statistics NZ data by HCC staff to evaluate the changes in dwelling type rates over the last three census periods as a method of understanding historic distribution of population growth into different residential types. This analysis provided useful guidance to the setting of figures for Hamilton City and the analysis undertaken was used to cross check the spreadsheet model described above. The outcomes for Waikato and Waipa Districts were not so clear as staff felt the trends defined over the last three census periods were not likely to continue in future (e.g. current low density residential development around Pokeno/Tuakau). In these cases the data was considered in discussions with other policy staff to set the parameters for partition of population growth into the different residential types.

The processing in this analysis approach assesses the decline in household size and transfers this population from existing residential land uses to new 'greenfield' areas. The analysis was also set up for Hamilton City to allocate some initial population growth into existing low density residential areas to represent infill of 'available capacity' in those areas.

Results for inclusion into WISE for Oct 2016 Projections								
Year		2013	2021	2031	2041	2051	2061	2063
HAMILTON City Council								
Densities (people/ha)	LD Res	31.54	30.35	29.07	27.99	27.33	26.94	26.89
	MHD Res	108.881	102.397	97.742	95.796	94.952	94.696	94.689
	Lifestyle #	2.843	2.843	2.843	2.843	2.843	2.843	2.843
Proportions	LD Res	0.835	0.8195	0.8002	0.7824	0.7588	0.7369	0.733
	MHD Res	0.116	0.1344	0.1563	0.1763	0.1984	0.2186	0.222
	Lifestyle	0.013	0.010	0.005	0.000	0.000	0.000	0.000
	Non Res.	0.0352	0.0360	0.0385	0.0413	0.0428	0.0445	0.0446
WAIKATO District Council								
Densities (people/ha)	LD Res	25.00	23.31	22.46	22.46	22.36	22.35	22.378
	MHD Res	111.3	94.220	88.404	89.043	89.891	91.627	92.149
	Lifestyle	2.1	2.024	1.937	1.935	1.919	1.904	1.902
Proportions	LD Res	0.3916	0.4184	0.4516	0.4790	0.4958	0.5092	0.5118
	MHD Res	0.0083	0.0126	0.0183	0.0235	0.0271	0.0303	0.0309
	Lifestyle	0.447	0.433	0.4121	0.3924	0.379	0.3669	0.3645
	Non Res.	0.1530	0.1360	0.1178	0.1051	0.0983	0.0935	0.0926
WAIPA District Council								
Densities (people/ha)	LD Res	24.34	22.67	21.85	21.88	21.81	21.70	21.69
	MHD Res	61.368	58.749	57.884	59.036	59.318	59.428	59.540
	Lifestyle	2.32	2.3471	2.4107	2.4762	2.4880	2.4874	2.4877
Proportions	LD Res	0.617	0.6265	0.6371	0.6432	0.6444	0.6446	0.6447
	MHD Res	0.0479	0.0506	0.0593	0.0687	0.0721	0.0739	0.0745
	Lifestyle	0.2397	0.2372	0.2288	0.2199	0.2169	0.2155	0.2150
	Non Res.	0.0955	0.0857	0.0747	0.0682	0.0665	0.0658	0.0657

Table1: Summary of projected future residential densities and population proportions for FP Councils

: Note that although the calculated density for Lifestyle residential in Hamilton City is 2.843 people/ha this density was reduced in the WISE setup to 2.051 people/ha to reflect the additional lifestyle area (260ha) that was incorporated into the HCC area by including future growth areas between the current city boundary and planned motorway (Areas R2 and HT1). See section 3.3 for further discussion on this inclusion.

Other assumptions and limitations to this projection approach are:

- The estimation of the future average household size for different residential types was calculated based on the ratio in the 2013 census (TA average household size vs household size in separate/single dwelling and household size for attached/multiple dwellings) projecting this approach forward – assumes that there will don't be a significant shift between these classes in future.

- This also assumes that the Statistics NZ definitions of 'separate/single dwelling' and 'attached/multiple dwellings' equate approximately to the Low Density and Medium-High density residential land use types in WISE respectively.
- Projected densities and proportions were not reviewed for other district councils in region. These remained the same as in the previous projections.

3.2 Review the starting population proportions and densities for residential land uses in Hamilton City and Waipa District

The delineation of residential land use classes is often an issue as different agencies can use different classes and/or associated definitions. When developed the WISE model defined its residential land use classes as:

- Lifestyle Residential : property size >2500m² and <6ha per dwelling
- Low Density Residential : property size >400m² and <2500m² per dwelling
- Med-High Density Residential : property size <400m² per dwelling

Other definitions can include separate/single dwellings and attached multiple dwellings as used in defining census data. This definition is often used by councils and data analysis using this definition does not always align with data analysis of WISE parameters and outputs. This difference was highlighted for Hamilton City with respect to the starting proportions and densities used in WISE. There were two other methodology issues that were also seen to impact on the starting population and density parameters in WISE:

1. Coding in the Valuation database and how these are used to defined land use types – specifically dealing with 'unit titles' coded as 91, but with a defined property area of zero –to represent a unit title dwelling – these can be both separate and attached dwellings on a property.
2. 'Gridding effect' that occurs in GIS analysis process when creating the starting land use layer. This effect occurs when property shapes are converted into cells that are used in WISE. The result for smaller isolated parcels of land is that many get 'removed' in the gridding process as they do not form the majority of a cell. This can create a reduction in the overall area for cells compared with original parcels.

The consequence of these issues are that the proportion of population living in residential land use classes in 2013 as defined in WISE were not in line with analysis undertaken by HCC staff. The area allocated to medium-high density residential was significantly lower that area defined by analysis of the Valuation database.

These issues are only potentially problematic in urban areas that contain significant proportions of "91 – area '0' " properties that are interspersed within low density residential. This was therefore seen as primarily an issue for Hamilton City but could also have implication for Waipa District. The review was therefore only undertaken on these two areas.

3.2.1 Analysis of Valuation Database for Residential Property Types

As part of reviewing the population and household projections at a CAU level Hamilton City Council were interested in revisiting the calculation of the starting population proportions used in the WISE model. The following is a description of an analysis that has been undertaken of the Property Valuation Database (VDB) to recalculate these population proportions.

The current method used to calculate proportions for HCC in WISE is not seen to capture the complexity of valuation coding's and dwelling types. A particular issue is the way 'unit titles' are entered in the VDB as they are generally entered as code 91 (single dwelling code) and given an 'area' value of '0'. These codes indicate they are part of a building 'complex' sharing rights over a property yet they can comprise single/detached dwellings and/or multiple/attached dwellings.

Also analysis to calculate proportions are difficult when taking elements from census (household size, separate vs attached dwelling) and property data, as the VDB property data doesn't always identify whether a dwelling is separate or multi-unit housing. In addition, the definitions used to define land use types for the WISE model are based on property size/dwelling and not attachment status (i.e. Medium-High density residential is dwellings with <400m² property size).

A process has been undertaken to evaluate the differences between outcomes using the two different definitions (WISE - areas based vs. 'attachment/separate dwelling') to understand the extent of difference between approaches. This process has analysed the VDB to identify the number and size of properties that fit into the WISE 'area' based definitions and the separate vs attached definitions provided by Statistics NZ data.

The analysis was undertaken by sorting the VDB for Hamilton City and Waipa District by LU codes and property areas. The delineation of dwelling number and dwelling types was done using Parcel IDs, Improvement Codes, and visual inspection of aerial images. For each property parcel the following parameters were calculated in GIS to use in the assessment:

- Number of dwelling associated with a property
- Whether dwellings were attached or separate
- Property area per dwelling

This analysis is a more detailed assessment of dwelling numbers and areas than was undertaken across the region for the 2013 land use layer development. Therefore the outcomes of this analysis are not directly comparable with the 2013 land use layer.

The results generated in this comparison for Hamilton City are provided in Appendix 8.5 and for Waipa District in Appendix 8.6. This analysis compares results from assessing data using approaches, WISE definitions and 'attachment' definition. The difference between the two approaches is only a 1-2 percent of population. For consistency of inputs to WISE it is recommended that the results from the WISE land area based definition analysis are used.

The revised 2013 starting data to be used in WISE from these projections are used in the update of the starting proportions and densities in Table 3.

3.2.2 Correction of Land Use Layer for "Gridding Effect"

This gridding effect in the creation of the land use layer is an issue for medium-high density residential land use. Medium-high density properties tend to occur in scatter patterns within a larger urban area. Based on an assessment of land use map vs input property data this is only seen as an issue for Hamilton City Council and to a lesser extent Waipa District Council. The effect occurs as part of the GIS analysis process when the scattered medium-high density properties are converted into cells that can be used in the WISE model. Because these properties can be relatively small and discontinuous they often don't make up the majority of a cell and the land use for that cell get coded to a different land use type – most often low density residential.

Hamilton City Council: Revised 2013 figures for WISE

	Proportion	Area (ha)	Population in LU	Density (people/ha)
LD Residential	0.8355	3978	125,475	31.542
MHD Residential	0.116	160	17,421	108.881
Lifestyle	0.0135	713	2027	2.8435
Non-Residential	0.035			

Waipa District Council: Revised 2013 figures for WISE

	Proportion	Area (ha)	Population in LU	Density (people/ha)
LD Residential	0.6169	1233	30,009	24.338
MHD Residential	0.0479	38	2,332	61.368
Lifestyle	0.2397	5025	11,660	2.32
Non-Residential	0.0955			

Table 3: Summary of revised 2013 Residential land use population density and proportion figures

The result can be a substantial reduction in the area of medium-high density land use in the final cell based file. For Hamilton City analysis shows a reduction from 124 ha of properties to 95 ha of cells in WISE. For Waipa District analysis shows a reduction from 30 ha of properties to 28 ha of cells in WISE.

To maintain realistic areas for medium-high density residential in Hamilton City and Waipa District and to create population densities in this land use class that are in-line with those of low density residential (which are based on a 'gross' area about 20-30% larger than net property area), it was recommended to increase the cell areas in the 2013 land use layer for medium-high density residential.

The method used to create these increases used an analysis of properties identified as medium-high density to create population density maps (with 100x100m cells). This was based on number of dwellings x household sizes. The cells with the highest density, that were not already classed as medium-high density, but were classed as low density residential, were then selected in order of decreasing density to make up the increase in area required for Waipa District and Hamilton City.

The extent of changes made was:

	Med –High Property area	WISE Cells (ha)	
		Med-High density Res	Low density Residential
Hamilton City	124 ha	From current 95 up to 160	4043 down to 3978
Waipa District	30 ha	From current 28 up to 38	1242 down to 1232

The altered 2013 land use maps was then saved back into WISE and tested to ensure that this change had not affected the calibration of the model before any further projection modeling was done.

3.3 Update and Revision of Zoning and Growth Cells in WISE

As a result of discussions with council staff and reviewing outcomes from further runs of the WISE model a number of different refinements have been made to the setup of WISE. Note that the current 'Reference' setup for WISE has included some changes that were identified and agreed between August 2015 and March 2016. These changes and additional improvements made since March 2016 for these projections are outlined below.

3.3.1 Changes for Future Proof area setup

August 2015 – March 2016 Improvements

Specific work was undertaken with the Future Proof Councils (Waikato District, Hamilton City and Waipa District) in late 2015-early 2016 to primarily review the residential land use behaviour in the scenario used for the CAU population projections in August 2015.

A summary of the key changes made to the scenario based on their input are:

- Additional development zones were added (from growth strategies and updated plans) to allow for future development (including further future boundary changes between HCC and WDC – R2 and HT1 areas)
- A number of adjustments for zoning behaviour were made to better represent their expected implementation (mainly residential, but also some for commercial, manufacturing).
 - o Added Rotokauri industrial area zone and active stimulated ahead of RPS areas – as this is already developing now

March 2016 - October 2016 Improvements

- Added urban zones for Temple view and Rotokauri (previously just under future urban zone) so could set up right sequence for development. Urban growth sequencing set for HCC start date as Peacockes 2020, Rotokauri northern 2025, Temple view 2030, R2 2033, HT1 2038.
- Growth zones for Waipa District council reviewed and new sequencing pattern entered.
- Additional of further structure plan details and additional growth zones for Waikato District – primarily focused on low density residential growth

3.3.2 Regional changes to setup

August 2015 – March 2016 Improvements

Following further review of the model, after producing the projection outputs in August 2015, the following adjustments were thought to be relevant in the light of recent and future drivers:

- The extent of dairy land use expansion out to out to 2064 was reduced substantially from August 2015 results – expert opinion following further review

was that the extent of expansion was far too large given likely future environmental restrictions and changing face of global dairy production.

- An increase in forestry land use was more plausible than the slight decrease that occurred in the August 2015 results. Given the renewed global emphasis on tackling climate change and future environmental constraints this was seen as more representative “reference” starting point.
- The implications of changes to dairy and forestry land uses are that there is more sheep and beef and indigenous forest land uses in the March 2016 results
- Adjustment to the ‘inertia’ of lifestyle block behaviour was made so that in areas zoned low density residential, lifestyle blocks would move out and be replaced by low density residential as expected.

March 2016 - October 2016 Improvements

- Adjustment to the neighborhood effect of lifestyle residential on community services development. This was set the same as LD Residential creating some unintended outcomes in Waikato district when testing scenarios.

4 WISE Land Use Projections by CAU

4.1 Process Methodology

The process for utilising the WISE Model to generate future land use projections is the same as outlined in WRC (2016a). The land use projections generated for this report utilise all the updates and changes for WISE V1.4 as defined in WRC (2016b). Based on discussions with FP council staff over several months further changes have been made to the setup of WISE used to generate the LU projections provided in this report. These changes include the revised population density (section 3.1), population proportion parameters (section 3.2), and updates to zoning settings (Section 3.3).

After setting up of the WISE V1.4 model and some further validation based on FP staff feedback the resulting setup was run for both the medium and low population projections. The medium population projection is the ‘reference’ population input for WISE and the low population projection was created by altering the ‘Net Migration Lever’ to -12.5, the ‘Fertility Lever’ to -1.25, and ‘Mortality Lever’ to +0.5. The land use projections for the following years were captured as ‘geotiff’ files: 2013, 2021, 2031, 2041, 2051, 2061 as outputs for both population projections.

For each of these time steps the ‘geotiff’ file is resampled to 20m cell size and then analysed in GIS software (Tabulate Area / Cross Tabulate process) against the Statistics New Zealand 2013 CAU layer. This provides a database file for each time step that contains areas of each land use modelled in WISE by CAU’s within the Waikato region. This data is then converted to hectares (from square meters) and loaded into a template spreadsheet that creates easy to view summaries of the data.

4.2 Projection CAU Results

A time step summary of this land use data for each time step, by FP Council is provided in Table 4. This provides a summary of the most relevant 11 land uses (out of a total of 25 land use classes). CAU level results are presented in Appendix 8.2 for medium population projection and Appendix 8.3 for low population projection.

Waikato District Council

Land type (ha)	2013	2021	2031	2041	2051	2061
Resid. - Lifestyle	13892	16150	18762	20294	21350	22138
Resid. - Low Dens	1042	1362	1784	2150	2264	2277
Resid. - Med-High Dens	5	10	18	27	35	42
Commercial	78	102	145	201	248	281
Manufacturing	515	593	685	783	879	954
Dairying	109645	110491	109402	108462	107957	108551
Sheep and Beef other Agriculture	188925	187277	185222	184099	183341	177743
Cropping	1642	1638	1630	1611	1604	2245
Forestry	6191	6586	6755	6760	6761	6825
Indigenous	24415	26127	26000	25891	25831	29067
	70480	68852	68827	68824	68819	68829

Hamilton City Council

Land type (ha)	2013	2021	2031	2041	2051	2061
Resid. - Lifestyle	974	835	495	19	19	18
Resid. - Low Dens	3975	4598	5474	6267	6765	6943
Resid. - Med-High Dens	160	224	319	414	498	548
Commercial	249	302	362	390	392	392
Manufacturing	652	778	905	1004	1100	1170
Dairying	2547	2191	1609	1234	692	402
Sheep and Beef other Agriculture	970	647	316	156	28	26
Cropping	7	8	3	3	1	1
Forestry	50	49	60	35	17	8
Indigenous	35	12	9	9	9	9
	287	232	225	224	219	219

Waipa District Council

Land type (ha)	2013	2021	2031	2041	2051	2061
Resid. - Lifestyle	5018	5546	6087	6336	6424	6449
Resid. - Low Dens	1236	1524	1868	2017	2174	2231
Resid. - Med-High Dens	38	47	66	83	91	94
Commercial	71	96	96	97	97	97
Manufacturing	180	300	389	454	493	539
Dairying	81778	82143	82021	82002	82127	82218
Sheep and Beef other Agriculture	37701	36774	35922	35449	35050	34807
Cropping	2284	2260	2165	2120	2093	2061
Forestry	1016	983	975	951	898	838
Indigenous	2591	2437	2335	2275	2242	2230
	11346	11182	11176	11175	11175	11175

² Note: These result are based on including the R2 and HT1 areas, that are currently still part of Waikato District, into the Hamilton City area totals.

Low Population Projection - Results by FP Council

Waikato District Council

Land type (ha)	2013	2021	2031	2041	2051	2061
Resid. - Lifestyle	14150	15968	17750	18344	18571	18486
Resid. - Low Dens	1043	1330	1678	2017	2343	2496
Resid. - Med-High Dens	5	10	18	60	138	193
Commercial	78	104	127	163	185	201
Manufacturing	515	595	669	758	837	897
Dairying	110235	111233	110526	110152	110227	111834
Sheep and Beef	189040	187688	186108	185397	182404	174208
other Agriculture	1642	1641	1633	1622	2155	2152
Cropping	6191	6574	6733	6765	6769	6867
Forestry	24416	26141	26043	25963	27491	33367
Indigenous	70501	68873	68848	68846	68852	68827

Hamilton City Council

Land type (ha)	2013	2021	2031	2041	2051	2061
Resid. - Lifestyle	715	578	325	16	16	16
Resid. - Low Dens	3974	4489	5194	5711	5850	5864
Resid. - Med-High Dens	160	219	302	346	351	362
Commercial	249	299	367	402	415	429
Manufacturing	652	768	891	974	1057	1135
Dairying	1905	1600	1113	793	629	554
Sheep and Beef	899	660	363	265	193	158
other Agriculture	7	8	8	3	1	1
Cropping	50	51	56	69	58	50
Forestry	35	15	11	11	11	11
Indigenous	287	236	228	227	226	226

Waipa District Council

Land type (ha)	2013	2021	2031	2041	2051	2061
Resid. - Lifestyle	5018	5385	5686	5705	5588	5430
Resid. - Low Dens	1307	1553	1829	1974	1979	1950
Resid. - Med-High Dens	38	46	62	75	78	78
Commercial	71	85	85	87	87	87
Manufacturing	180	295	389	449	496	539
Dairying	81778	82216	82210	82294	82593	82967
Sheep and Beef	37701	36930	36244	35888	35645	35337
other Agriculture	2284	2261	2211	2190	2191	2187
Cropping	1016	985	977	944	881	824
Forestry	2591	2441	2339	2282	2263	2309
Indigenous	11346	11182	11181	11178	11178	11177

Table 4: Land Use Projection by FP Council - 2013 to 2061 (ha's) – for selected land uses Region

All results are available in Excel spreadsheet form and also by annual time steps. For future access these are stored in the Waikato Regional Council computer system under the WISE scenarios area
(W:\WISE\Restricted_Access\V1_4_Scenarios\FP_Projections_ReRun_Oct2016)

Results for other councils in the Waikato Region and results by CAU are in Appendix 8.2.

In these projections the consideration of declining household size has made a significant difference in demand for residential land especially where there are already large urban areas and population growth is high. This has required the use of additional future growth cells for all FP councils that may not be seen as 'sign-off' policy. These additional areas were required so that the supply of residential land could keep pace with the demand from population growth. Even with these additional areas Hamilton City becomes supply limited in the medium projection for low density residential from 2034 onwards, and for med-high density residential from 2049 onwards. The result of this is that the residential density being to rise about the projected values as more population is allocated into existing residential areas.

A key assumption in these projections is that development would occur based on expected allocation of population into residential land uses of a certain density (Section 3.1). This represents an 'unconstrained' scenario. Future scenarios could be undertaken to assess how different 'intensification' policies could reduce the scale and spatial outcomes of residential growth.

For Waipa District demand exceeds supply slightly for low density residential land between 2037 and 2050. For Waikato District demand exceeds supply slightly for low density residential land from 2048 onwards. There is not supply restriction of med-high density residential in both these districts under the medium projection.

There were no supply restrictions under the low population projection for any of the FP councils. The number and timing of additional growth areas set up in WISE for FP Councils was set the same for both the medium and low population projections.

5 WISE Residential Densities – Redistribution Modelling to CAU

5.1 'Capacity Mismatch' Issue

There have been issues raised by some councils about the validity of CAU level projections based on land use outputs from WISE. Specifically some CAU's were showing increase in population and households when council staff considered those areas to be fully developed or near maximum capacity.

On investigation many of the examples identified show that there is little if any discrepancy with expected land uses development (i.e. extent of Low Density Residential remains same in a developed CAU's or level of residential growth is in line with zoning and the councils expectations). After further consideration of this issue, the problem was seen to be applying district wide residential densities to all CAUs within

the district as part of the process to allocate population and households. The logic is as follows:

- WISE operates by allocating by population using a district average population density for each residential land use type (Low Density, Med-High Density, and Lifestyle). These values can be varied over time in the model.
- The residential population by land use (LU) type within an area (CAU) could be broadly estimated by area of that LU type x TA average population density for that LU Type (the University of Waikato population allocation to CAU approach is more complex than this - but is based on this initially step followed by a regression analysis to allocated population associated with other non-residential land use type).
- If the TA average population density for a LU Type increases over time during the WISE modelling this can result in a projected increase in population for an area (i.e. CAU) based on any calculations that use both area of LU type and population density for that LU type.
- So even if an area is seen as 'at capacity' (see Bryant example in Table 5) the use of a district wide average density figure for a land use type would project a population increase and subsequently an increase in households.

This is a limitation with the spatial detail with which WISE currently deals with population densities (currently only 3 residential LU type by each district). To offset this limitation in the use of output data for any CAU level analysis it was recommended to undertake some post-processing of LU and density output data from WISE to 'reallocate' density based on the 2013 starting density of CAU and any subsequent growth in residential land uses.

Bryant		Year	2013	2021	2031	2041	2051	2061	
WISE	LD Res (ha)		190	192	192	192	192	192	
	Density (p/ha)		32.68	33.94	34.64	35.25	35.76	36.32	
	Population (density x area)		6210	6520	6654	6771	6869	6977	
	A. Increase in Population				310	444	562	659	767
	(
	MH D Res		1	1	1	1	1	1	
	Density (p/ha)		107.3	110.3	114.0	116.8	120.2	123.4	
	B. Increase in Population				3	7	10	13	16
)								
	Lifestyle		0	0	0	0	0	0	
'Density Driven' Population increase			313	451	571	672	783		
(A +B)									
UoW Results	Population		5930	6244	6381	6587	6871	7129	
	Households		2130	2417	2653	2856	3051	3217	
	People/House		2.8	2.6	2.4	2.3	2.3	2.2	

Table 5: Results from August 2015 Projections for Bryant area unit showing effect of 'density driven' population change.

5.2 Redistribution Model

5.2.1 Density Redistribution – Methodology

An Excel spreadsheet model was developed to undertake this ‘density redistribution’ process. The objective of this modelling is to represent the relative behavior in each CAU based on its starting characteristics and subsequent changes in residential land uses and reduce the influence of district wide parameters on CAU results.

The modelling process is summarised in Figure 2. The model is set up to ensure that year by year each CAU is adjusted based on changes in projected household sizes and any residential land use additions to the CAU. A similar mode was set up and run for each of the three residential land use types for each of the two population projections.

The model uses the information from the detailed VDB analysis that was done for reassessing Hamilton city and Waipa district (section 3.2) which has been applied across the Region. This provides inputs of area and dwelling numbers by CAU by WISE land use types for starting input into the models. The projected average household size figures from Cameron and Cochrane (2016a) which were used in Section 3.1 analysis are also used here to estimate initial populations in CAU’s.

The model then runs on an annual time step using CAU changes in residential land use from WISE to recalculate density in each CAU at each time step. Scaling is applied at each time step to account for the ongoing projected reduction in household size and to ensure the sum of CAU population match WISE output data for each time step.

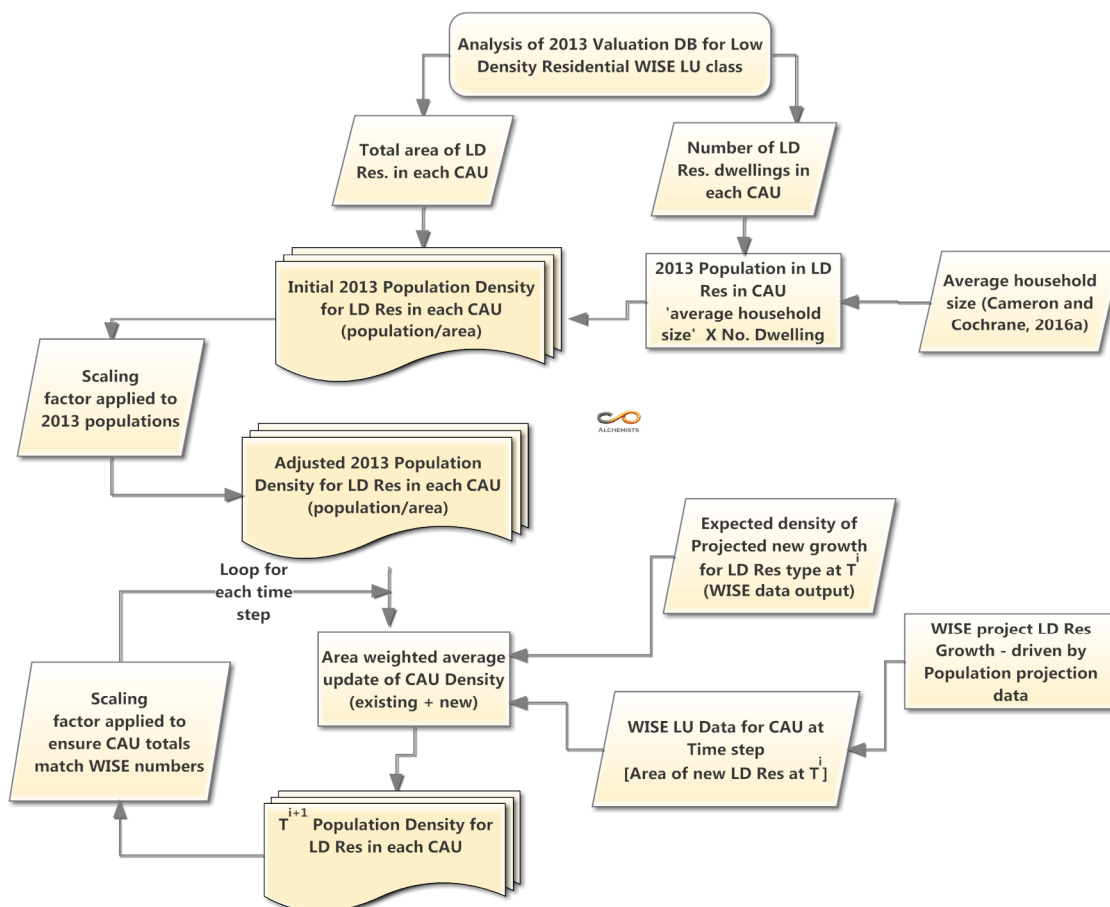


Figure 2: Redistribution process from district average residential population density to CAU residential population density. Model repeated for each residential land use type.

5.2.2 Density Redistribution - Results

A separate spreadsheet model for each residential land use type was created for each population projection. The results provide annual estimates of population density for each CAU in the Region. These spreadsheet results were then provided to University of Waikato to use as input into the final modelling of population, household, and labour force by CAU (Cameron and Cochrane, 2016b).

To illustrate the implication of this modelling the data for the Bryant area unit is presented in Table 6, so that a comparison can be made with previous methodology reflected in Table 5.

HCC Low Dens land use (ha)		2013	2021	2031	2041	2051	2061
	Demand	12,294	13738	15656	17114	17879	18272
	Supply	12,294	13738	15645	17021	17751	17839
			Difference	11	93	128	433
Bryant		2013	2021	2031	2041	2051	2061
WISE	LD Res (ha)	191	193	193	193	193	193
Density model	Density (p/ha)	32.055	31.618	29.826	29.736	31.353	32.257
	Population (density x area)	6122	6102	5756	5739	6051	6225
	A. Increase in Population		-20	-346	-17	312	174
UoW	Population	5930	5899	5579	5590	5930	6129
Results							
	Households	2205	2342	2329	2442	2654	2781
	People/Hous	2.77	2.61	2.46	2.37	2.31	2.27
Cum. % change in Household			5.78	11.19	14.44	16.61	18.05
			change /timeframe	5.42	3.25	2.17	1.44

Table 6: Results from October 2016 Medium Projection for Bryant area unit showing effect density redistribution on results.

The results in Table 6 show that up until about 2031 the behavior of densities and population change as expected with the decline in household size primarily driving the shift in population. However, after 2031 the supply is exceeded by demand for low density residential land in Hamilton City and this is seen to create an increase in population back into this area as the model allocates population back into existing areas. This effect is not seen to occur in the CAU analysis where supply exceeds demand.

All results from density modelling are available in Excel spreadsheet form. For future access these are stored in the Waikato Regional Council computer system under the WISE scenarios area (W:\WISE\Restricted_Access\V1_4_Scenarios\FP_Projections_ReRun_Oct2016).

5.2.3 Density Redistribution – Limitations and Caveats

The aim of this modelling process was to correct the ‘capacity mismatch’ issue that had been identified in earlier projection outputs. The modelling approach applied here creates a much better ‘relative’ outcome for population density across the CAU’s in a district. But the results are not expected to be an exact match with reality. This occurs for several reasons:

- The current starting land use layer was created using one method and this analysis is more detailed so there is not direct matching of areas at CAU level.
- The ‘Grid effect’ of creating cells for WISE also creates some difference.
- Where areas of residential land use are small in a CAU any difference between WISE area and VDB assessment creates ‘odd’ densities which needed manual revision.

However, based on the learning thorough analysis undertaken in this report and reviewing of previous projections the ability to improve the match in future exists with simultaneous detailed analysis of updated Valuation data and new census data to create a revised starting land use layer, revised population proportions and densities.

6 Discussion and Conclusions

The improvements made to the setup of the WISE model have resulted in more plausible land use projections for the FP councils than in previous projections as they are seen to reflect more closely the growth strategies and development plans of councils.

The incorporation of projected declines in household sizes for FP councils has made a significant difference to the demand for future residential land as this household size decline requires a ‘transfer’ of population from existing to new residential areas. This demand in the Medium population projection puts pressure on the supply of zoned land for development towards the end of the projection, particularly for low density growth in Hamilton City and to a lesser extent Waikato and Waipa Districts. This is due to these projection scenarios being an ‘unconstrained’ setup which does not specifically drive up intensification of existing land uses.

The CAU level land use projections have been generated from WISE outputs using the same process as in previous projections. The results however are different for most CAU’s of the FP councils as there have been numerous adjustments to the input data and setup of the WISE model for these areas.

The modelling process applied to ‘redistribute’ population density to a CAU level based on its property characteristics and then model changes forward as land uses change has provided results that provide more ‘relative’ context than the previous use of district wide density numbers. The process is not without its limitations (i.e. differences between datasets) and opportunities exist to make improvements to this in future.

As part of the review process for these projections there has been a lot of learning that can be applied in future when updating the models and data that support these projections processes. These include:

- For future utilisation of WISE modelling outputs at CAU level it would be advantageous to undertake a more details assessment of VDB and Statistics NZ data to update three key elements of WISE (starting land use, residential densities and proportions).

- Assessing the future allocation of population into different residential land use classes is challenging. Some additional work/thinking on what are main drivers for residential preferences are (age cohort effect, policy influence) and how these might evolve for different area would be helpful when trying to set future proportion numbers in WISE.
- The ability to model urban intensification of specific existing residential areas would be assisted by potentially adding another residential land use class.
- Councils are interested more in households than densities for their planning, so the inclusion of a conversion model to change density outputs to households would be advantageous.

7 References

Cameron, M.P. and Cochrane, W. (2016a): 2016 Update of Population, Family and Household, and Labour Force Projections for the Waikato Region, 2013-2063. University of Waikato Research Report.

Cameron, M.P. and Cochrane, W. (2016b): 2016 Update of Area Unit Population, Household, and Labour Force Projections for the Waikato Region, 2013-2061, research report commissioned by Future Proof, Hamilton: University of Waikato.

Waikato Regional Council (2016a): Land use, demographic and economic projections for the Waikato region, 2013 to 2063. Waikato Regional Council Technical Report 2016/03

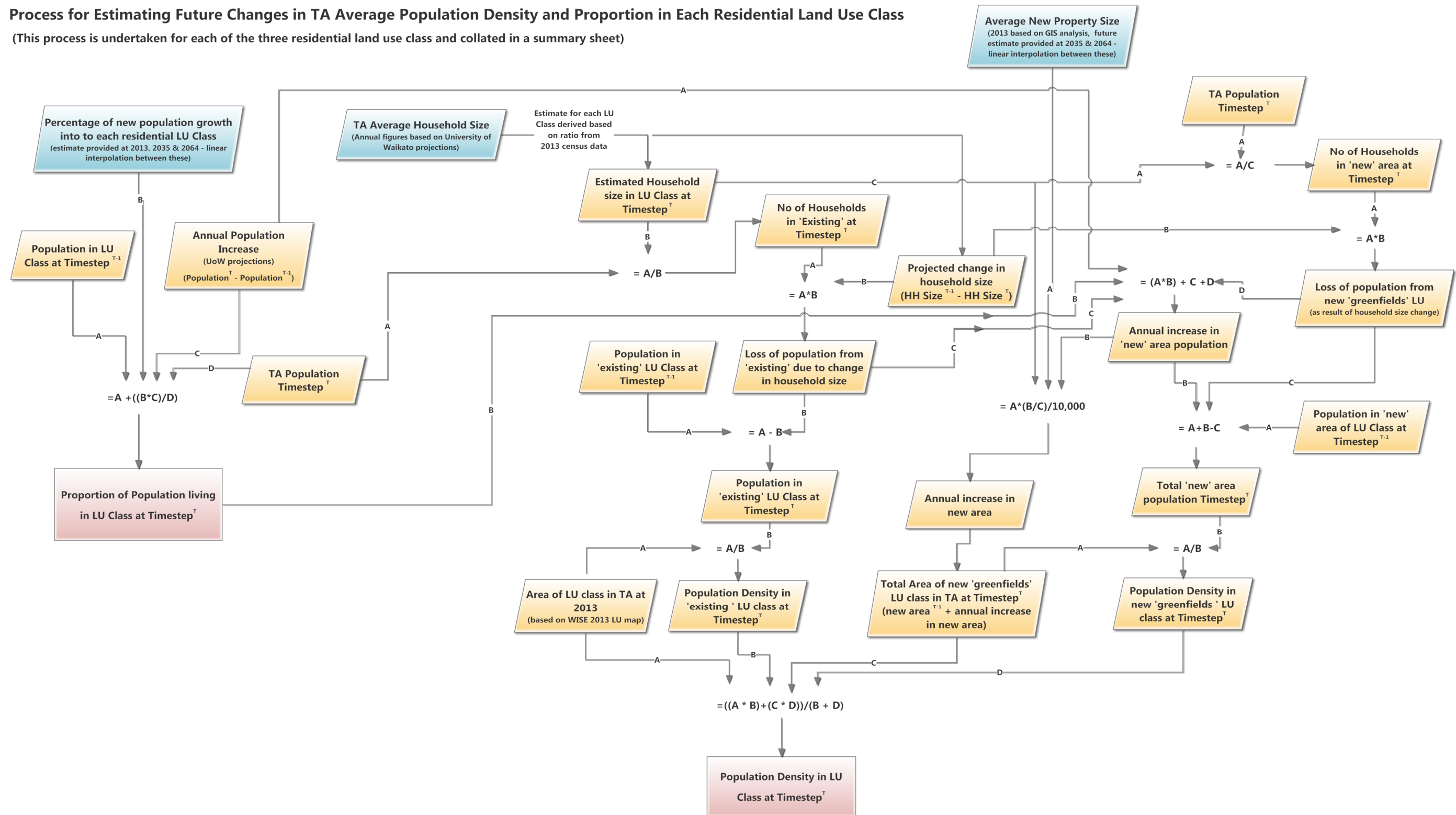
Waikato Regional Council (2016b): WISE Technical Specifications Version 1.4. Waikato Regional Council Technical Report 2016/16

8 Appendix

8.1 Modelling Process for projecting future residential densities and proportions

Process for Estimating Future Changes in TA Average Population Density and Proportion in Each Residential Land Use Class

(This process is undertaken for each of the three residential land use class and collated in a summary sheet)



8.2 Medium Population Projection – Land Use Projection Summaries

For non-FP Councils:

TCDC	Land type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	2197	2224	2250	2239	2181	2089
	Resid. - Low Dens	1711	1780	1845	1840	1792	1718
	Resid. - Med-High Dens	33	34	35	35	34	33
	Commercial	108	109	109	109	109	110
	Manufacturing	123	124	124	125	125	127
	Dairying	13179	13189	13163	13166	13197	13311
	Sheep and Beef	27668	27778	27710	27716	27751	23775
	other Agriculture	83	85	86	87	89	128
	Cropping	62	80	85	88	107	141
	Forestry	30291	31935	31975	31983	32011	35102
	Indigenous	139075	137590	137544	137539	137536	138361

HDC	Land type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	2157	2171	2194	2183	2130	2059
	Resid. - Low Dens	649	664	689	688	672	650
	Resid. - Med-High Dens	3	3	3	3	3	0
	Commercial	39	41	43	47	65	82
	Manufacturing	92	96	99	108	111	114
	Dairying	56093	56126	56120	56131	56185	56273
	Sheep and Beef	23080	23185	23135	23108	23088	23065
	other Agriculture	66	63	58	57	57	56
	Cropping	46	49	48	47	47	47
	Forestry	4478	4849	4820	4809	4802	4800
	Indigenous	35844	35454	35454	35454	35454	35455

MPDC	Land type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	2078	2110	2159	2190	2195	2203
	Resid. - Low Dens	841	885	953	996	1003	1014
	Resid. - Med-High Dens	8	8	9	9	9	9
	Commercial	33	38	44	47	47	47
	Manufacturing	188	240	284	304	311	319
	Dairying	118850	119466	119730	119953	120118	120280
	Sheep and Beef	20862	20610	20395	20217	20111	19997
	other Agriculture	2342	2080	1874	1722	1644	1564
	Cropping	1176	1172	1179	1176	1175	1176
	Forestry	1682	1601	1566	1540	1522	1513
	Indigenous	25253	25141	25141	25141	25141	25141

South Waikato DC	Land type	2013	2021	2031	2041	2051	2061
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Resid. - Lifestyle	1159	1163	1161	1141	1109	1074
Resid. - Low Dens	774	773	771	758	737	714
Resid. - Med-High Dens	2	2	2	2	2	2
Commercial	28	28	28	28	28	28
Manufacturing	414	415	415	416	416	420
Dairying	67254	68481	69215	69789	70322	70815
Sheep and Beef	12179	11921	11672	11420	11214	11031
other Agriculture	183	142	107	83	71	69
Cropping	216	216	216	215	211	196
Forestry	76385	75882	75437	75168	74904	74656
Indigenous	19931	19766	19764	19764	19764	19764

Otorohanga		2013	2021	2031	2041	2051	2061
DC	Land type						
	Resid. - Lifestyle	1358	1366	1386	1382	1357	1319
	Resid. - Low Dens	194	199	211	211	208	202
	Resid. - Med-High Dens	3	3	3	3	3	3
	Commercial	9	9	9	9	9	9
	Manufacturing	27	27	27	28	28	28
	Dairying	60085	60394	60569	60677	60777	60894
	Sheep and Beef	66865	66863	66719	66639	66583	66438
	other Agriculture	23	28	28	28	28	30
	Cropping	84	87	86	85	83	75
	Forestry	7353	7550	7481	7444	7418	7486
	Indigenous	61741	61371	61366	61366	61366	61367

Waitomo		2013	2021	2031	2041	2051	2061
	Land type						
	Resid. - Lifestyle	850	825	814	797	774	748
	Resid. - Low Dens	268	246	243	239	233	226
	Resid. - Med-High Dens	0	0	0	0	0	0
	Commercial	57	55	55	55	55	55
	Manufacturing	71	73	77	79	81	85
	Dairying	24173	24267	24292	24313	24329	24499
	Sheep and Beef	164116	164607	164609	164617	164630	159920
	other Agriculture	130	132	132	132	132	216
	Cropping	19	50	52	53	55	56
	Forestry	17739	18562	18549	18537	18528	22997
	Indigenous	123172	122531	122524	122524	122524	122518

Taupo DC		2013	2021	2031	2041	2051	2061
	Land type						
	Resid. - Lifestyle	3921	3996	4072	4106	4066	3989
	Resid. - Low Dens	1569	1666	1765	1809	1792	1757
	Resid. - Med-High Dens	29	31	32	33	33	32
	Commercial	90	90	90	89	88	87
	Manufacturing	251	251	251	251	252	253
	Dairying	60525	60413	60452	60461	60497	60546
	Sheep and Beef	73950	74174	74083	74025	74011	71545
	other Agriculture	272	277	276	278	280	303

Cropping	450	466	465	469	479	498
Forestry	124458	128476	128577	128555	128530	130604
Indigenous	167254	164424	164134	164054	164036	164121

By Census Area Unit: Medium Population Projection³

Waikato DC AU2013	AU2013_NAM	Land use type	2013	2021	2031	2041	2051	2061
521114	Redoubt	Resid. - Lifestyle	42	50	57	63	64	65
		Resid. - Low Dens	0	18	52	122	140	140
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	1	1	1	7	7
		Manufacturing	2	2	2	2	2	2
		Dairying	71	75	52	50	50	66
		Sheep and Beef	312	309	294	287	283	106
		other Agriculture	43	41	39	28	25	81
		Cropping	144	148	141	78	56	60
		Forestry	4	4	4	4	4	102
		Indigenous	43	43	43	43	43	44
521115	Opuawhanga	Resid. - Lifestyle	111	121	132	129	126	126
		Resid. - Low Dens	0	0	1	9	10	10
		Resid. - Med-High Dens	0	0	0	1	4	4
		Commercial	0	0	0	0	0	0
		Manufacturing	5	17	24	37	40	40
		Dairying	23	21	20	18	16	16
		Sheep and Beef	365	328	310	297	292	246
		other Agriculture	38	36	35	33	32	42
		Cropping	228	248	249	246	248	254
		Forestry	2	3	3	2	2	32
		Indigenous	119	119	119	119	119	119
521117	Buckland South	Resid. - Lifestyle	309	363	400	426	434	443
		Resid. - Low Dens	2	8	20	34	47	47
		Resid. - Med-High Dens	0	0	1	2	6	6
		Commercial	0	0	0	0	3	4
		Manufacturing	0	0	1	1	2	3
		Dairying	178	97	83	77	75	73
		Sheep and Beef	609	516	449	403	371	326
		other Agriculture	173	174	174	176	178	184

³ Note: These results are based on including the R2 and HT1 areas, that are currently still part of Waikato District, into the Hamilton City CAU area totals. R2 part of Kainui CAU is included into Sylvester and HT1 parts of Gordonton and eureka are included into Huntington. Also for Waipa District there has been a manual adjustment made for 2051 and 2061 to move 60ha of LD Res from Ngahinapuori into Hautapu (40ha) and Pukerimu (20ha) and moving equivalent Lifestyle area back to Ngahinapuori.

Cropping	529	570	584	584	585	589
Forestry	27	28	27	27	26	49
Indigenous	114	111	111	111	111	113

521131

Pokeno	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	701	797	873	924	961	980
	Resid. - Low Dens	13	38	276	435	438	442
	Resid. - Med-High Dens	0	0	0	1	1	1
	Commercial	2	2	19	40	49	58
	Manufacturing	4	4	12	42	85	123
	Dairying	576	594	521	406	394	380
	Sheep and Beef	2881	2764	2473	2313	2230	1955
	other Agriculture	37	35	35	35	35	84
	Cropping	177	195	209	213	214	215
	Forestry	120	167	163	161	161	322
	Indigenous	447	445	445	444	444	445

521135

Mangatawhiri	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	447	492	532	543	552	555
	Resid. - Low Dens	3	6	10	35	36	36
	Resid. - Med-High Dens	0	0	0	0	0	0
	Commercial	0	0	0	1	1	1
	Manufacturing	7	7	7	8	9	9
	Dairying	6491	6561	6554	6543	6551	6620
	Sheep and Beef	6805	6766	6726	6701	6685	6432
	other Agriculture	76	76	75	75	75	97
	Cropping	1163	1187	1192	1195	1193	1190
	Forestry	744	910	914	910	910	1065
	Indigenous	14300	14197	14192	14192	14192	14195

521153

Otaua	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	801	870	914	931	940	951
	Resid. - Low Dens	3	3	3	7	11	11
	Resid. - Med-High Dens	0	0	0	0	0	0
	Commercial	1	1	1	1	3	3
	Manufacturing	256	256	256	256	256	256
	Dairying	8127	8595	8624	8647	8664	9135
	Sheep and Beef	3733	3601	3515	3468	3432	2317
	other Agriculture	88	91	91	92	92	354
	Cropping	184	291	337	339	341	353
	Forestry	1190	1256	1253	1250	1250	1606
	Indigenous	746	737	737	737	736	738

526106

Pukeoware	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	125	132	140	142	144	145
	Resid. - Low Dens	0	0	0	0	0	0
	Resid. - Med-High Dens	0	0	0	0	0	0
	Commercial	0	0	0	0	0	0
	Manufacturing	0	0	0	0	0	0
	Dairying	55	54	51	52	52	62
	Sheep and Beef	367	325	301	293	282	243
	other Agriculture	0	0	0	0	0	6
	Cropping	174	210	229	237	247	257
	Forestry	12	13	13	10	10	22
	Indigenous	34	33	33	33	33	33

526200	Tuakau	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	110	119	115	99	91	87
		Resid. - Low Dens	132	164	170	186	193	194
		Resid. - Med-High Dens	0	4	10	14	14	19
		Commercial	12	17	19	19	19	19
		Manufacturing	34	43	43	44	44	44
		Dairying	27	12	7	4	4	4
		Sheep and Beef	64	23	17	16	16	15
		other Agriculture	1	0	0	0	0	0
		Cropping	9	7	7	5	5	5
		Forestry	7	8	8	8	8	8
		Indigenous	15	14	13	13	13	13
526400	Rotowaro	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	0	0	0	0	0	0
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	5	8	8	8	8	8
		Sheep and Beef	9	10	10	10	10	10
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	4	5	5	5	5	5
		Indigenous	0	0	0	0	0	0
526500	Raglan	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	66	61	55	57	60	60
		Resid. - Low Dens	164	219	234	235	235	236
		Resid. - Med-High Dens	1	2	2	2	2	2
		Commercial	6	7	7	7	7	7
		Manufacturing	2	2	2	2	2	2
		Dairying	111	88	74	71	68	67
		Sheep and Beef	38	16	12	3	3	3
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	6	5	4	3	2	2
		Indigenous	8	8	8	8	8	8
526601	Waikato Western Hills	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	1206	1474	1773	1947	2055	2160
		Resid. - Low Dens	37	40	42	44	49	50
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	2	2	2	2	2	2
		Manufacturing	0	0	0	1	1	1
		Dairying	9082	9234	9148	9103	9081	9063
		Sheep and Beef	19384	19343	19163	19055	18977	18903
		other Agriculture	57	57	57	57	57	57
		Cropping	126	129	129	129	129	129
		Forestry	4788	5106	5065	5037	5022	5008
		Indigenous	13311	12940	12940	12940	12940	12940
526602	Te Uku	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	504	585	705	790	850	898
		Resid. - Low Dens	10	27	27	28	113	113

Resid. - Med-High Dens	0	0	0	0	0	0
Commercial	28	28	28	28	28	28
Manufacturing	10	10	11	11	11	11
Dairying	5105	5141	5136	5138	5133	5135
Sheep and Beef	21661	21610	21507	21437	21367	21103
other Agriculture	18	20	19	19	19	30
Cropping	21	24	24	24	24	24
Forestry	2230	2302	2290	2271	2264	2452
Indigenous	15613	15489	15489	15488	15486	15491

526701	Onewhero	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	1167	1201	1242	1265	1272	1280
		Resid. - Low Dens	56	60	79	85	90	90
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	1	1	1	1	1
		Manufacturing	2	2	2	2	2	2
		Dairying	4646	4774	4770	4774	4771	5042
		Sheep and Beef	50411	50389	50266	50185	50155	47703
		other Agriculture	164	163	162	155	150	351
		Cropping	2771	2863	2941	3000	3031	3070
		Forestry	3883	4326	4329	4324	4320	6265
Indigenous	9384	8921	8905	8905	8903	8879		

526702	Te Akau	Land use type	2006	2013	2021	2031	2041	2052
		Resid. - Lifestyle	203	263	358	421	465	493
		Resid. - Low Dens	1	1	1	1	8	8
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	3190	3226	3231	3228	3224	3225
		Sheep and Beef	38795	38790	38712	38659	38617	38514
		other Agriculture	9	11	11	11	11	14
		Cropping	77	80	80	80	80	80
		Forestry	3705	3953	3931	3923	3919	3981
Indigenous	3864	3604	3604	3604	3604	3605		

526900	Te Kauwhata	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	142	161	167	169	168	167
		Resid. - Low Dens	43	74	110	111	112	111
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	2	4	5	7	8	10
		Manufacturing	7	8	14	16	17	18
		Dairying	50	41	13	9	10	10
		Sheep and Beef	138	95	69	66	64	63
		other Agriculture	0	0	0	0	0	0
		Cropping	34	35	34	34	32	32
		Forestry	2	2	2	1	1	1
Indigenous	0	0	0	0	0	0		

527004	Matangi	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	1011	1121	1217	1223	1224	1224
		Resid. - Low Dens	10	11	11	11	12	13
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	6	6	6	6	6	7
		Dairying	285	238	202	199	198	197

Sheep and Beef	644	580	522	519	519	519
other Agriculture	21	21	21	21	21	21
Cropping	114	117	117	117	116	115
Forestry	15	14	13	13	13	13
Indigenous	103	100	100	100	100	100

527111	Whitikahu	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	299	317	368	422	457	488
		Resid. - Low Dens	4	4	4	4	4	4
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	11	11	13	13	15	15
		Dairying	23554	23566	23526	23498	23487	23473
		Sheep and Beef	4955	4946	4938	4915	4891	4874
		other Agriculture	6	6	6	5	5	5
		Cropping	2	9	9	9	9	9
		Forestry	234	248	243	241	239	240
		Indigenous	1027	1006	1006	1006	1006	1006

527112	Taupiri Community	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	19	20	40	47	49	49
		Resid. - Low Dens	22	28	31	31	31	31
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	2	2	5	5	6	6
		Manufacturing	2	2	2	2	2	2
		Dairying	53	44	19	10	7	7
		Sheep and Beef	9	9	8	8	8	8
		other Agriculture	0	0	0	0	0	0
		Cropping	1	1	1	1	1	1
		Forestry	1	1	1	1	1	1
		Indigenous	0	0	0	0	0	0

527122	Gordonton ³	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	223	268	351	414	475	497
		Resid. - Low Dens	3	3	3	4	4	5
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	1	1	1	1	1	1
		Dairying	3688	3638	3514	3393	3313	3272
		Sheep and Beef	181	181	180	180	180	180
		other Agriculture	0	0	0	0	0	0
		Cropping	20	20	20	20	16	14
		Forestry	6	4	4	3	3	3
		Indigenous	16	16	16	16	16	15

527123	Kainui ³	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	701	933	1331	1575	1704	1796
		Resid. - Low Dens	5	10	13	30	38	40
		Resid. - Med-High Dens	0	0	0	1	1	1
		Commercial	2	3	14	17	31	44
		Manufacturing	0	0	1	2	2	2
		Dairying	7917	7823	7547	7333	7218	7149
		Sheep and Beef	907	785	648	595	556	521
		other Agriculture	11	11	11	11	11	11
		Cropping	49	52	53	52	52	52

Forestry	25	11	10	10	9	7
Indigenous	98	94	94	94	94	94

527125	Eureka ³	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	835	1011	1233	1392	1533	1635
		Resid. - Low Dens	0	0	0	1	1	1
		Resid. - Med-High Dens	0	0	0	0	1	1
		Commercial	8	8	8	8	8	8
		Manufacturing	0	0	0	0	0	1
		Dairying	9503	9409	9274	9184	9098	9030
		Sheep and Beef	1525	1450	1363	1289	1237	1206
		other Agriculture	21	21	21	21	21	21
		Cropping	45	45	46	45	40	35
		Forestry	13	11	8	8	8	7
		Indigenous	42	42	42	42	42	42

527131	Tamahere-Tauwhare	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	2192	2510	2815	2935	2994	3048
		Resid. - Low Dens	8	8	8	9	11	11
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	5	5	5	5	5	5
		Manufacturing	10	12	13	14	14	16
		Dairying	0	0	0	0	0	0
		Sheep and Beef	3841	3601	3417	3373	3366	3362
		other Agriculture	413	409	407	406	406	404
		Cropping	160	164	165	165	165	165
		Forestry	144	132	126	118	115	114
		Indigenous	492	480	480	480	480	480

527210	Waerenga	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	356	470	609	729	846	952
		Resid. - Low Dens	4	21	38	63	63	63
		Resid. - Med-High Dens	1	1	1	1	1	1
		Commercial	0	3	3	3	5	6
		Manufacturing	38	41	46	49	51	51
		Dairying	14131	14136	14115	14061	14032	14067
		Sheep and Beef	20183	20085	19954	19870	19787	19397
		other Agriculture	148	148	148	148	148	155
		Cropping	130	157	157	157	154	152
		Forestry	1116	1252	1244	1234	1229	1361
		Indigenous	4948	4847	4844	4844	4844	4860

527221	Maramarua	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	293	380	504	609	710	764
		Resid. - Low Dens	4	5	6	7	7	7
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	1	1	1	1	1
		Manufacturing	8	17	32	36	50	52
		Dairying	6850	7287	7274	7255	7239	7275
		Sheep and Beef	6765	6762	6656	6576	6493	6284
		other Agriculture	248	248	248	248	248	258
		Cropping	2	4	4	4	4	4
		Forestry	6024	6263	6243	6233	6218	6308
		Indigenous	4367	4228	4228	4228	4228	4233

527222	Meremere	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	19	30	32	32	32	32
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	3	0	0	0	0	0
		Manufacturing	0	3	4	4	4	4
		Dairying	15	4	2	2	2	2
		Sheep and Beef	4	1	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	2	2	2	2	2	2
527401	Huntly West	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	15	28	43	45	48	48
		Resid. - Low Dens	102	118	123	123	123	123
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	1	0	1	3	3	3
		Manufacturing	7	7	7	9	9	9
		Dairying	162	154	142	137	136	136
		Sheep and Beef	146	130	122	120	118	118
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	8	6	3	3	3	3
		Indigenous	33	31	31	31	31	31
527402	Huntly East	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	74	96	136	167	197	226
		Resid. - Low Dens	174	216	227	232	233	235
		Resid. - Med-High Dens	2	2	2	2	2	2
		Commercial	0	11	16	28	30	32
		Manufacturing	40	46	46	49	51	51
		Dairying	495	517	516	509	502	499
		Sheep and Beef	1333	1289	1234	1194	1166	1136
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	62	66	65	62	62	62
		Indigenous	1172	1166	1166	1165	1165	1165
527912	Te Kowhai	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	621	703	754	801	831	846
		Resid. - Low Dens	19	20	21	23	24	24
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	1763	1740	1719	1691	1672	1663
		Sheep and Beef	823	763	734	713	703	698
		other Agriculture	16	16	16	16	16	16
		Cropping	16	14	13	11	5	4
		Forestry	4	5	4	4	3	3
		Indigenous	104	103	103	103	103	103
527913	Whatawhata	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	1103	1318	1470	1533	1566	1596
		Resid. - Low Dens	10	14	17	21	21	21
		Resid. - Med-High Dens	0	0	0	0	0	1

Commercial	0	2	5	15	19	25
Manufacturing	1	2	2	4	4	6
Dairying	2665	2657	2612	2578	2555	2528
Sheep and Beef	1561	1396	1284	1238	1225	1214
other Agriculture	45	45	45	45	45	45
Cropping	14	15	15	15	15	15
Forestry	36	25	23	23	22	22
Indigenous	0	0	0	0	0	0

527916	Horotiu	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	128	197	329	401	440	466
		Resid. - Low Dens	14	16	16	16	16	16
		Resid. - Med-High Dens	0	0	1	2	2	2
		Commercial	1	1	1	1	2	2
		Manufacturing	39	68	112	146	172	200
		Dairying	744	678	549	458	380	329
		Sheep and Beef	395	358	299	278	270	251
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	1	1	1	1	1	1
		Indigenous	45	45	45	45	45	45

528200	Ngaruawahia	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	88	89	99	96	95	95
		Resid. - Low Dens	179	201	209	212	213	213
		Resid. - Med-High Dens	1	1	1	1	1	1
		Commercial	3	3	3	8	9	9
		Manufacturing	23	26	26	26	27	27
		Dairying	30	27	25	21	20	20
		Sheep and Beef	126	105	88	87	86	86
		other Agriculture	11	11	11	11	11	11
		Cropping	0	0	0	0	0	0
		Forestry	3	3	3	3	3	3
		Indigenous	52	52	52	52	52	52

Hamilton
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AU2013	AU2013_NAM	Land use type	2013	2021	2031	2041	2051	2061
527005	Sylvester ³	Resid. - Lifestyle	251	231	149	0	0	0
		Resid. - Low Dens	65	206	237	315	786	977
		Resid. - Med-High Dens	0	0	2	8	14	35
		Commercial	0	12	14	16	16	16
		Manufacturing	0	0	0	0	0	0
		Dairying	545	527	557	655	233	20
		Sheep and Beef	155	60	59	56	2	2
		other Agriculture	0	0	0	0	0	0
		Cropping	0	1	10	1	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	6	5	5	5	5	5

527006	Flagstaff	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	142	156	156	156	156	156
		Resid. - Med-High Dens	3	3	3	3	3	3
		Commercial	2	3	3	3	3	3

Manufacturing	0	0	0	0	0	0
Dairying	0	0	0	0	0	0
Sheep and Beef	3	0	0	0	0	0
other Agriculture	0	0	0	0	0	0
Cropping	0	0	0	0	0	0
Forestry	0	0	0	0	0	0
Indigenous	0	0	0	0	0	0

527007

Horsham Downs	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	84	76	58	1	1	1
	Resid. - Low Dens	132	229	244	293	292	292
	Resid. - Med-High Dens	0	5	30	37	38	38
	Commercial	0	3	8	8	9	9
	Manufacturing	0	0	0	0	0	0
	Dairying	140	50	2	1	0	0
	Sheep and Beef	13	0	0	0	0	0
	other Agriculture	0	0	0	0	0	0
	Cropping	0	0	0	0	0	0
	Forestry	0	0	0	0	0	0
	Indigenous	0	0	0	0	0	0

527008

Rototuna	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	0	0	0	0	0	0
	Resid. - Low Dens	103	103	103	103	103	103
	Resid. - Med-High Dens	0	0	0	0	0	0
	Commercial	2	2	2	2	2	2
	Manufacturing	0	0	0	0	0	0
	Dairying	0	0	0	0	0	0
	Sheep and Beef	0	0	0	0	0	0
	other Agriculture	0	0	0	0	0	0
	Cropping	0	0	0	0	0	0
	Forestry	0	0	0	0	0	0
	Indigenous	1	1	1	1	1	1

527009

Huntington ³	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	76	70	33	0	0	0
	Resid. - Low Dens	236	274	281	432	436	430
	Resid. - Med-High Dens	0	0	0	46	65	71
	Commercial	8	13	13	13	13	13
	Manufacturing	1	1	1	1	1	1
	Dairying	158	151	181	25	5	5
	Sheep and Beef	24	14	14	4	1	1
	other Agriculture	0	0	0	0	0	0
	Cropping	7	0	1	0	0	0
	Forestry	0	0	0	0	0	0
	Indigenous	33	23	22	22	22	22

527124

Newstead	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	77	54	13	1	1	1
	Resid. - Low Dens	6	45	93	104	105	106
	Resid. - Med-High Dens	0	16	46	53	103	112
	Commercial	22	27	58	78	78	78
	Manufacturing	2	9	43	77	125	185
	Dairying	617	518	390	321	266	205
	Sheep and Beef	63	56	53	46	7	6

other Agriculture	0	0	0	0	0	0
Cropping	0	4	20	26	11	2
Forestry	0	0	0	0	0	0
Indigenous	17	17	16	15	14	14

527810	Peacocke	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	201	187	134	3	3	3
		Resid. - Low Dens	14	125	563	692	692	692
		Resid. - Med-High Dens	3	3	5	6	7	8
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	243	227	7	4	3	1
		Sheep and Beef	214	139	0	0	0	0
		other Agriculture	0	1	0	0	0	0
		Cropping	24	24	1	1	1	1
		Forestry	1	1	0	0	0	0
		Indigenous	19	15	13	13	13	13

527820	Temple View	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	60	46	25	5	5	4
		Resid. - Low Dens	27	34	82	352	372	372
		Resid. - Med-High Dens	0	0	0	0	2	2
		Commercial	0	0	1	1	1	1
		Manufacturing	0	0	0	0	0	1
		Dairying	153	155	135	7	2	2
		Sheep and Beef	147	150	138	20	2	2
		other Agriculture	0	0	0	0	0	0
		Cropping	0	3	9	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	1	1	1	1	1	1

527917	Te Rapa North	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	64	52	13	0	0	0
		Resid. - Low Dens	0	0	17	23	25	25
		Resid. - Med-High Dens	0	0	0	0	0	1
		Commercial	0	0	0	0	0	0
		Manufacturing	19	20	32	58	87	97
		Dairying	185	199	213	200	171	161
		Sheep and Beef	27	28	19	14	13	12
		other Agriculture	2	2	2	2	0	0
		Cropping	0	1	6	5	5	5
		Forestry	9	9	9	9	9	9
		Indigenous	1	1	1	1	1	1

528310	Bryant	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	191	193	193	193	193	193
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	5	5	5	5	5	5
		Dairying	0	0	0	0	0	0
		Sheep and Beef	0	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0

	Indigenous	3	3	3	3	3	3	
528320	Pukete	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	80	81	81	81	81	81
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	0	0	0	0	0	0
		Sheep and Beef	0	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	0	0	0	0	0	0
528402	Pukete West	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	2	2	2	0	0	0
		Resid. - Low Dens	60	61	61	63	63	63
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	1	1	1	1	1	1
		Dairying	1	0	0	0	0	0
		Sheep and Beef	0	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	0	0	0	0	0	0
528403	Te Rapa	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	3	2	1	0	0	0
		Resid. - Low Dens	12	17	23	23	23	23
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	67	68	69	69	69	69
		Manufacturing	281	296	297	298	298	298
		Dairying	11	0	0	1	1	1
		Sheep and Beef	40	33	7	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	3	0	0	0	0	0
		Indigenous	0	0	0	0	0	0
528405	Burbush	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	77	57	34	3	3	3
		Resid. - Low Dens	0	42	263	355	357	357
		Resid. - Med-High Dens	0	0	1	1	1	1
		Commercial	0	0	0	1	1	1
		Manufacturing	4	92	170	206	221	221
		Dairying	360	304	100	7	2	2
		Sheep and Beef	149	97	23	12	1	1
		other Agriculture	4	4	0	0	0	0
		Cropping	3	0	0	0	0	0
		Forestry	2	2	0	0	0	0
		Indigenous	2	2	2	2	2	2
528406	Rotokauri	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	65	47	25	3	3	3

Resid. - Low Dens	3	96	157	172	171	170
Resid. - Med-High Dens	0	6	17	27	29	31
Commercial	0	13	33	38	39	39
Manufacturing	54	59	59	60	62	62
Dairying	92	45	11	5	2	0
Sheep and Beef	118	61	1	1	0	0
other Agriculture	0	0	0	0	0	0
Cropping	15	14	12	1	0	0
Forestry	1	0	0	0	0	0
Indigenous	0	0	0	0	0	0

528501	Nawton	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	138	139	139	139	139	139
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	2	2	2	2	2	2
		Manufacturing	1	1	1	1	1	1
		Dairying	1	0	0	0	0	0
		Sheep and Beef	0	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	2	2	2	2	2	2

528503	Crawshaw	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	71	72	72	72	72	72
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	2	0	0	0	0	0
		Sheep and Beef	1	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	0	0	0	0	0	0

528504	Grandview	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	86	86	86	86	86	86
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	1	1	1	1	1	1
		Dairying	0	0	0	0	0	0
		Sheep and Beef	0	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	0	0	0	0	0	0

528505	Brymer	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	5	4	4	0	0	0
		Resid. - Low Dens	81	85	86	88	88	88
		Resid. - Med-High Dens	0	0	0	1	1	1
		Commercial	0	3	3	3	3	3
		Manufacturing	0	0	0	0	0	0

Dairying	6	0	0	0	0	0
Sheep and Beef	6	2	1	1	1	1
other Agriculture	0	0	0	0	0	0
Cropping	0	0	0	0	0	0
Forestry	0	0	0	0	0	0
Indigenous	2	2	2	2	2	2

528601	Dinsdale North	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	3	3	2	1	1	1	
	Resid. - Low Dens	125	126	127	128	128	128	
	Resid. - Med-High Dens	0	0	0	0	0	0	
	Commercial	3	3	3	3	3	3	
	Manufacturing	0	0	0	0	0	0	
	Dairying	0	0	0	0	0	0	
	Sheep and Beef	0	0	0	0	0	0	
	other Agriculture	0	0	0	0	0	0	
	Cropping	0	0	0	0	0	0	
	Forestry	0	0	0	0	0	0	
	Indigenous	0	0	0	0	0	0	

528602	Dinsdale South	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	4	2	1	0	0	0	
	Resid. - Low Dens	121	126	128	129	129	129	
	Resid. - Med-High Dens	0	0	1	1	1	1	
	Commercial	3	4	5	5	5	5	
	Manufacturing	4	4	4	4	4	4	
	Dairying	4	1	1	0	0	0	
	Sheep and Beef	1	2	0	0	0	0	
	other Agriculture	1	1	1	1	1	1	
	Cropping	0	1	0	0	0	0	
	Forestry	0	0	0	0	0	0	
	Indigenous	0	0	0	0	0	0	

528700	Beerescourt	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	0	0	0	0	0	0	
	Resid. - Low Dens	116	118	118	118	118	118	
	Resid. - Med-High Dens	0	0	0	0	0	0	
	Commercial	0	0	0	0	0	0	
	Manufacturing	1	1	1	1	1	1	
	Dairying	0	0	0	0	0	0	
	Sheep and Beef	0	0	0	0	0	0	
	other Agriculture	0	0	0	0	0	0	
	Cropping	0	0	0	0	0	0	
	Forestry	4	0	0	0	0	0	
	Indigenous	0	0	0	0	0	0	

528800	Maeroa	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	0	0	0	0	0	0	
	Resid. - Low Dens	107	110	110	110	110	110	
	Resid. - Med-High Dens	0	0	0	0	0	0	
	Commercial	0	1	1	1	1	1	
	Manufacturing	1	1	1	1	1	1	
	Dairying	0	0	0	0	0	0	
Sheep and Beef	0	0	0	0	0	0		

other Agriculture	0	0	0	0	0	0
Cropping	0	0	0	0	0	0
Forestry	5	0	0	0	0	0
Indigenous	4	4	4	4	4	4

528900	Frankton Junction	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	0	0	0	0	0	0	
	Resid. - Low Dens	41	42	41	39	38	37	
	Resid. - Med-High Dens	2	2	3	5	5	6	
	Commercial	18	18	18	18	18	18	
	Manufacturing	176	176	176	176	177	177	
	Dairying	0	0	0	0	0	0	
	Sheep and Beef	1	1	1	1	1	1	
	other Agriculture	0	0	0	0	0	0	
	Cropping	0	0	0	0	0	0	
	Forestry	2	0	0	0	0	0	
	Indigenous	2	2	2	2	2	2	

529000	Swarbrick	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	0	0	0	0	0	0	
	Resid. - Low Dens	87	80	79	79	79	79	
	Resid. - Med-High Dens	32	39	40	40	40	40	
	Commercial	2	2	2	2	2	2	
	Manufacturing	4	4	4	4	4	4	
	Dairying	0	0	0	0	0	0	
	Sheep and Beef	0	0	0	0	0	0	
	other Agriculture	0	0	0	0	0	0	
	Cropping	0	0	0	0	0	0	
	Forestry	0	0	0	0	0	0	
	Indigenous	1	1	1	1	1	1	

529100	Hamilton Lake	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	0	0	0	0	0	0	
	Resid. - Low Dens	116	113	109	105	107	107	
	Resid. - Med-High Dens	5	8	12	16	16	16	
	Commercial	4	4	4	4	4	4	
	Manufacturing	55	57	57	57	57	57	
	Dairying	0	0	0	0	0	0	
	Sheep and Beef	2	0	0	0	0	0	
	other Agriculture	0	0	0	0	0	0	
	Cropping	0	0	0	0	0	0	
	Forestry	0	0	0	0	0	0	
	Indigenous	13	13	13	13	11	11	

529200	Melville	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	0	0	0	0	0	0	
	Resid. - Low Dens	138	139	139	139	139	139	
	Resid. - Med-High Dens	0	0	0	0	0	0	
	Commercial	4	4	4	4	4	4	
	Manufacturing	5	5	5	5	5	5	
	Dairying	1	1	1	1	1	1	
	Sheep and Beef	0	0	0	0	0	0	
	other Agriculture	0	0	0	0	0	0	
	Cropping	0	0	0	0	0	0	

	Forestry	0	0	0	0	0	0
	Indigenous	5	4	4	4	4	4

529300	Glenview	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	1	1	1	1	1	1
		Resid. - Low Dens	164	176	176	176	176	176
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	2	2	2	2	2	2
		Manufacturing	0	0	0	0	0	0
		Dairying	2	2	1	1	1	1
		Sheep and Beef	1	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	22					

529401	Queenwood	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	117	120	120	120	120	120
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	0	2	2	2	2	1
		Sheep and Beef	0	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	1	0	0	0	0	0
		Indigenous	12	12	12	12	12	12

529402	Chedworth	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	110	116	116	116	116	116
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	7	7	7	7	7	7
		Manufacturing	0	0	0	0	0	0
		Dairying	0	0	0	0	0	0
		Sheep and Beef	0	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	26	20	20	20	20	20

529501	Porritt	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	60	64	64	64	64	64
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	1	5	5	5	5	5
		Manufacturing	0	0	0	0	0	0
		Dairying	3	1	0	0	0	0
		Sheep and Beef	3	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	3	3	3	3	3	3

529502	Insoll	Land use type	2013	2021	2031	2041	2051	2061
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Resid. - Lifestyle	0	0	0	0	0	0
Resid. - Low Dens	72	72	72	72	72	72
Resid. - Med-High Dens	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Manufacturing	0	0	0	0	0	0
Dairying	0	0	0	0	0	0
Sheep and Beef	0	0	0	0	0	0
other Agriculture	0	0	0	0	0	0
Cropping	0	0	0	0	0	0
Forestry	0	0	0	0	0	0
Indigenous	0	0	0	0	0	0

529503	Fairview Downs	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	96	98	98	98	98	98
		Resid. - Med-High Dens	0	1	1	1	1	1
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	4	0	0	0	0	0
		Sheep and Beef	1	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	0	0	0	0	0	0

529600	Chartwell	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	90	92	92	92	92	92
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	0	0	0	0	0	0
		Sheep and Beef	2	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	13	11	11	11	11	11

529700	Hamilton Central	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	30	28	26	24	24	21
		Resid. - Med-High Dens	19	24	26	28	28	30
		Commercial	78	82	82	82	82	82
		Manufacturing	10	10	10	10	10	10
		Dairying	0	0	0	0	0	0
		Sheep and Beef	0	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	8	0	0	0	0	0
		Indigenous	1	1	1	1	1	1

529800	Clarkin	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	99	99	99	99	99	99

Resid. - Med-High Dens	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Manufacturing	0	0	0	0	0	0
Dairying	0	0	0	0	0	0
Sheep and Beef	0	0	0	0	0	0
other Agriculture	0	0	0	0	0	0
Cropping	0	0	0	0	0	0
Forestry	0	0	0	0	0	0
Indigenous	6	6	6	6	6	6

529900	Claudelands	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	64	64	64	64	64	64
		Resid. - Med-High Dens	6	6	6	6	6	6
		Commercial	1	1	1	1	1	1
		Manufacturing	1	1	1	1	1	1
		Dairying	0	0	0	0	0	0
		Sheep and Beef	0	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	8	8	8	8	8	8

530000	Enderley	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	112	114	110	107	105	104
		Resid. - Med-High Dens	5	6	10	13	15	16
		Commercial	4	4	4	4	4	4
		Manufacturing	3	3	3	3	3	3
		Dairying	3	0	0	0	0	0
		Sheep and Beef	2	2	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	1	0	0	0	0	0

530100	Peachgrove	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	67	68	67	66	66	65
		Resid. - Med-High Dens	13	13	14	15	15	16
		Commercial	5	5	5	5	5	5
		Manufacturing	1	4	4	4	4	4
		Dairying	3	0	0	0	0	0
		Sheep and Beef	0	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	6	6	6	6	6	6

530200	Hamilton East	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	72	67	62	57	57	54
		Resid. - Med-High Dens	14	19	24	29	29	31
		Commercial	4	4	4	4	4	4
		Manufacturing	1	1	1	1	1	1
		Dairying	0	0	0	0	0	0

Sheep and Beef	0	0	0	0	0	0
other Agriculture	0	0	0	0	0	0
Cropping	0	0	0	0	0	0
Forestry	0	0	0	0	0	0
Indigenous	2	2	2	2	2	2

530300	Naylor	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	112	108	107	107	108	108
		Resid. - Med-High Dens	13	16	17	17	17	17
		Commercial	0	0	0	0	0	0
		Manufacturing	1	1	1	1	1	1
		Dairying	0	0	0	0	0	0
		Sheep and Beef	0	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	9	9	9	9	8	8

530400	Bader	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	104	104	104	104	105	105
		Resid. - Med-High Dens	9	13	14	14	14	16
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	7	4	4	4	3	1
		Sheep and Beef	0	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	1	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	22	20	20	20	20	20

530500	University	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	55	51	49	49	48	48
		Resid. - Med-High Dens	32	38	40	41	42	42
		Commercial	7	7	8	7	7	7
		Manufacturing	0	0	0	0	0	0
		Dairying	3	1	1	0	0	0
		Sheep and Beef	0	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	0	0	0	0	0	0

530600	Silverdale	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	1	1	0	0	0	0
		Resid. - Low Dens	70	69	70	70	71	71
		Resid. - Med-High Dens	4	6	7	7	7	7
		Commercial	0	1	1	1	1	1
		Manufacturing	0	0	0	0	0	0
		Dairying	4	2	0	0	0	0
		Sheep and Beef	0	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	1	1	0	0
		Forestry	0	0	0	0	0	0

	Indigenous	5	5	4	4	4	4
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530700	Hillcrest West	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	103	103	103	103	103	103
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	0	0	0	0	0	0
		Sheep and Beef	0	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	0	0	0	0	0	0

530800	Riverlea	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	80	86	86	86	87	87
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	2	2	2	2	2	2
		Manufacturing	20	23	25	25	25	25
		Dairying	0	0	0	0	0	0
		Sheep and Beef	0	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	40	34	33	33	32	32

Waipa DC								
AU2013	AU2013_NAM	Land use type	2013	2021	2031	2041	2051	2061
526603	Te Pahu	Resid. - Lifestyle	380	393	411	423	425	426
		Resid. - Low Dens	0	0	1	1	1	1
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	4965	5011	5024	5029	5031	5035
		Sheep and Beef	5718	5711	5690	5680	5679	5676
		other Agriculture	0	0	0	0	0	0
		Cropping	3	3	3	3	3	3
		Forestry	624	633	622	615	612	610
		Indigenous	4001	3953	3953	3953	3953	3953

527133	Hautapu ³	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	792	891	949	972	925	914
		Resid. - Low Dens	2	75	260	291	364	376
		Resid. - Med-High Dens	0	9	26	43	50	54
		Commercial	0	0	0	0	0	0
		Manufacturing	36	71	107	155	179	200
		Dairying	2860	2766	2604	2562	2551	2525
		Sheep and Beef	660	508	372	295	265	250
		other Agriculture	315	311	242	208	183	176
		Cropping	59	59	57	56	56	56
		Forestry	18	12	9	8	7	7
		Indigenous	33	33	31	30	30	30

527134	Swayne	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	2	0	0	0	0	0
		Resid. - Low Dens	62	105	107	107	107	107
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	5	1	1	1	1	1
		Sheep and Beef	17	0	0	0	0	0
		other Agriculture	22	2	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	0	0	0	0	0	0

527501	Cambridge North	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	1	1	1	1	1	1
		Resid. - Low Dens	114	119	119	119	119	120
		Resid. - Med-High Dens	2	2	2	2	2	1
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	48	48	48	48	48	48
		Sheep and Beef	2	0	0	0	0	0
		other Agriculture	3	1	1	1	1	1
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	0	0	0	0	0	0

527502	Cambridge West	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	14	13	11	11	11	10
		Resid. - Low Dens	102	106	111	112	112	113
		Resid. - Med-High Dens	8	8	10	10	10	10
		Commercial	0	0	0	0	0	0
		Manufacturing	1	3	4	4	4	4
		Dairying	50	47	46	45	45	43
		Sheep and Beef	6	5	1	1	1	1
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	4	0	0	0	0	0

527503	Cambridge Central	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	16	18	20	20	20	20
		Resid. - Low Dens	18	21	21	21	21	21
		Resid. - Med-High Dens	7	7	7	7	7	7
		Commercial	10	10	10	10	10	10
		Manufacturing	27	27	27	27	27	27
		Dairying	20	19	19	19	19	19
		Sheep and Beef	1	1	1	1	1	1
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	4	2	1	1	1	1
		Indigenous	80	78	78	78	78	78

527504	Leamington	Land use type	2013	2021	2031	2041	2051	2061
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West						
Land use type	2013	2021	2031	2041	2051	2061
Resid. - Lifestyle	7	8	7	3	2	2
Resid. - Low Dens	140	152	167	169	169	169
Resid. - Med-High Dens	7	7	7	7	7	7
Commercial	3	3	3	3	3	3
Manufacturing	16	26	30	33	34	34
Dairying	93	77	74	68	62	59
Sheep and Beef	17	17	3	3	3	3
other Agriculture	1	1	0	0	0	0
Cropping	2	1	0	0	0	0
Forestry	0	0	0	0	0	0
Indigenous	18	18	18	18	18	18

527505	Leamington East						
	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	21	23	23	23	23	24
	Resid. - Low Dens	161	163	163	163	163	164
	Resid. - Med-High Dens	4	4	4	4	4	4
	Commercial	0	0	0	0	0	0
	Manufacturing	0	0	0	0	0	0
	Dairying	63	60	60	60	60	60
	Sheep and Beef	0	0	0	0	0	0
	other Agriculture	2	0	0	0	0	0
	Cropping	0	0	0	0	0	0
	Forestry	0	0	0	0	0	0
	Indigenous	6	6	6	6	6	6

527600	Ohaupo						
	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	40	53	61	61	61	62
	Resid. - Low Dens	13	13	16	19	19	19
	Resid. - Med-High Dens	0	0	0	0	0	0
	Commercial	4	4	4	5	5	5
	Manufacturing	0	1	1	1	1	1
	Dairying	112	105	98	94	94	93
	Sheep and Beef	11	4	1	1	1	1
	other Agriculture	0	0	0	0	0	0
	Cropping	0	0	0	0	0	0
	Forestry	0	0	0	0	0	0
	Indigenous	2	2	1	1	1	1

527700	Kihikihi						
	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	39	31	30	30	29	28
	Resid. - Low Dens	96	112	117	117	118	119
	Resid. - Med-High Dens	0	0	0	0	0	0
	Commercial	1	1	1	1	1	1
	Manufacturing	6	7	7	7	7	7
	Dairying	33	27	24	24	24	24
	Sheep and Beef	6	1	0	0	0	0
	other Agriculture	4	4	4	4	4	4
	Cropping	0	0	0	0	0	0
	Forestry	0	0	0	0	0	0
	Indigenous	3	3	2	2	2	2

527914	Ngahinapouri ³						
	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	731	837	989	1039	1132	1149
	Resid. - Low Dens	9	9	9	11	12	17

Resid. - Med-High Dens	0	0	0	0	1	1
Commercial	0	0	0	0	0	0
Manufacturing	6	6	6	6	7	7
Dairying	8836	8819	8776	8756	8745	8738
Sheep and Beef	2944	2852	2731	2690	2602	2589
other Agriculture	319	319	317	317	317	317
Cropping	20	20	20	20	20	20
Forestry	45	33	31	28	28	26
Indigenous	128	126	126	126	126	126

527915	Lake Cameron	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	401	454	510	550	568	573
		Resid. - Low Dens	14	15	23	26	33	33
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	7	7	7	7	7	7
		Manufacturing	17	39	63	71	80	95
		Dairying	2179	2133	2054	2012	1983	1969
		Sheep and Beef	544	511	468	444	428	421
		other Agriculture	118	118	118	116	114	114
		Cropping	64	58	54	54	53	48
		Forestry	2	2	2	0	0	1
		Indigenous	31	32	32	32	32	32

527921	Te Rore	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	64	66	71	74	74	74
		Resid. - Low Dens	0	0	0	0	0	0
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	3314	3326	3322	3321	3324	3327
		Sheep and Beef	308	302	297	291	287	280
		other Agriculture	4	4	4	4	4	4
		Cropping	0	0	0	0	0	0
		Forestry	17	11	10	9	9	9
		Indigenous	64	62	62	62	62	62

527922	Pirongia	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	177	210	223	230	235	237
		Resid. - Low Dens	34	34	34	34	34	34
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	1	1	1	1	1	1
		Dairying	2292	2302	2311	2314	2312	2311
		Sheep and Beef	250	205	181	172	166	165
		other Agriculture	5	5	5	5	5	5
		Cropping	14	14	14	12	10	7
		Forestry	4	3	1	0	0	0
		Indigenous	46	46	46	46	46	46

527923	Pokuru	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	84	85	89	92	93	93
		Resid. - Low Dens	0	0	0	0	0	0
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	4735	4784	4811	4824	4861	4880

Sheep and Beef	541	498	465	449	415	396
other Agriculture	6	6	6	6	6	6
Cropping	19	19	19	15	9	6
Forestry	16	5	5	5	5	5
Indigenous	241	241	241	241	241	241

527924	Lake Ngaroto	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	105	112	123	119	115	115
		Resid. - Low Dens	6	18	48	83	92	93
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	18	18	18	18	18
		Manufacturing	3	15	18	20	21	27
		Dairying	3262	3320	3315	3282	3277	3270
		Sheep and Beef	204	164	118	111	103	95
		other Agriculture	20	19	19	19	19	19
		Cropping	0	0	0	0	0	0
		Forestry	15	0	0	0	0	0
		Indigenous	18	18	18	18	18	18

527925	Tokenui	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	36	36	36	37	38	39
		Resid. - Low Dens	2	2	2	2	2	2
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	2068	2099	2122	2131	2149	2169
		Sheep and Beef	72	59	38	33	33	32
		other Agriculture	3	3	3	3	3	3
		Cropping	131	132	131	127	112	93
		Forestry	21	11	8	6	2	0
		Indigenous	18	18	18	18	18	18

527931	Pukerimu ³	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	175	200	225	242	225	227
		Resid. - Low Dens	3	23	76	88	108	108
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	1	1	1	1	1
		Manufacturing	0	0	0	1	2	3
		Dairying	813	828	801	783	783	782
		Sheep and Beef	255	234	195	184	180	177
		other Agriculture	405	405	395	395	395	395
		Cropping	67	37	37	37	37	37
		Forestry	8	5	4	4	4	4
		Indigenous	113	112	111	111	111	111

527932	Kaipaki	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	354	378	405	426	435	442
		Resid. - Low Dens	2	2	2	2	2	2
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	23	23	23	23	23	23
		Manufacturing	0	0	0	0	0	0
		Dairying	3668	3674	3674	3662	3654	3637
		Sheep and Beef	787	767	740	724	715	708
		other Agriculture	122	122	122	122	122	122
		Cropping	110	112	113	114	111	110
		Forestry	5	3	2	2	2	2

	Indigenous	58	57	57	57	57	57	
527934	Rotoorangi	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	425	432	447	456	458	460
		Resid. - Low Dens	2	2	13	45	58	87
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	15117	15210	15266	15286	15338	15385
		Sheep and Beef	5699	5628	5561	5506	5447	5401
		other Agriculture	385	386	380	380	380	355
		Cropping	240	240	240	239	234	224
		Forestry	249	226	217	208	204	202
		Indigenous	779	768	768	768	768	768
527935	Te Rahu	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	272	309	348	367	378	385
		Resid. - Low Dens	7	13	13	13	13	13
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	1	8	18	18	18	21
		Dairying	2731	2723	2695	2677	2671	2663
		Sheep and Beef	382	337	310	296	282	275
		other Agriculture	72	72	72	72	72	72
		Cropping	8	8	7	7	7	7
		Forestry	5	0	0	0	0	0
		Indigenous	39	39	39	39	39	39
527936	Kihikihi Flat	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	163	233	286	302	310	312
		Resid. - Low Dens	17	59	72	96	112	115
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	4	4	4	4	4
		Manufacturing	3	7	8	10	11	11
		Dairying	999	975	948	946	926	928
		Sheep and Beef	438	334	297	272	267	258
		other Agriculture	36	33	30	21	21	22
		Cropping	103	103	103	94	87	76
		Forestry	3	3	2	2	2	3
		Indigenous	10	10	10	10	10	10
527937	Allen Road	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	63	66	75	78	78	80
		Resid. - Low Dens	0	1	1	1	1	1
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	894	896	884	879	876	872
		Sheep and Beef	93	74	61	53	49	45
		other Agriculture	15	15	15	15	15	15
		Cropping	76	76	76	72	60	53
		Forestry	0	0	0	0	0	0
		Indigenous	2	2	2	2	2	2
528000	Rotongata	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	86	90	91	94	94	95

Resid. - Low Dens	1	1	1	2	2	2
Resid. - Med-High Dens	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Manufacturing	0	0	0	0	0	0
Dairying	12319	12446	12565	12655	12728	12788
Sheep and Beef	4942	4861	4777	4704	4641	4585
other Agriculture	108	110	110	110	110	109
Cropping	5	5	5	5	5	5
Forestry	842	801	764	744	733	729
Indigenous	2577	2573	2573	2573	2573	2573

531001	Te Awamutu West						
	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	5	3	2	1	1	1
	Resid. - Low Dens	49	60	61	62	62	62
	Resid. - Med-High Dens	0	0	0	0	0	0
	Commercial	0	2	2	2	2	2
	Manufacturing	17	20	20	20	20	20
	Dairying	14	3	3	2	2	2
	Sheep and Beef	3	0	0	0	0	0
	other Agriculture	0	0	0	0	0	0
	Cropping	0	0	0	0	0	0
	Forestry	0	0	0	0	0	0
	Indigenous	0	0	0	0	0	0

531002	Te Awamutu Central						
	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	1	1	1	0	0	0
	Resid. - Low Dens	131	135	143	144	144	144
	Resid. - Med-High Dens	8	8	8	8	8	8
	Commercial	5	5	5	5	5	5
	Manufacturing	11	14	14	14	14	14
	Dairying	7	2	1	1	1	1
	Sheep and Beef	9	8	1	1	1	1
	other Agriculture	0	0	0	0	0	0
	Cropping	0	0	0	0	0	0
	Forestry	0	0	0	0	0	0
	Indigenous	0	0	0	0	0	0

531003	Te Awamutu East						
	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	28	28	35	38	40	40
	Resid. - Low Dens	119	144	146	146	146	146
	Resid. - Med-High Dens	1	1	1	1	1	1
	Commercial	3	4	4	4	4	4
	Manufacturing	31	50	60	61	62	62
	Dairying	93	79	69	67	67	66
	Sheep and Beef	42	18	9	6	3	3
	other Agriculture	2	2	0	0	0	0
	Cropping	0	0	0	0	0	0
	Forestry	0	0	0	0	0	0
	Indigenous	0	0	0	0	0	0

531004	Te Awamutu South						
	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	8	7	7	7	5	4

Resid. - Low Dens	117	127	127	127	130	131
Resid. - Med-High Dens	1	1	1	1	1	1
Commercial	13	13	13	13	13	13
Manufacturing	4	4	4	4	4	4
Dairying	6	5	2	2	1	1
Sheep and Beef	8	0	0	0	0	0
other Agriculture	0	0	0	0	0	0
Cropping	0	0	0	0	0	0
Forestry	0	0	0	0	0	0
Indigenous	0	0	0	0	0	0

535241	Karapiro	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	529	567	612	642	650	659
		Resid. - Low Dens	13	15	17	17	31	32
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	1	1	1	1	1	1
		Manufacturing	0	0	0	0	0	0
		Dairying	10179	10356	10403	10451	10495	10521
		Sheep and Beef	13743	13674	13603	13532	13479	13441
		other Agriculture	317	322	322	322	322	322
		Cropping	93	95	95	95	93	93
		Forestry	713	687	657	644	632	630
		Indigenous	3076	2985	2984	2984	2984	2984

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AU2013	AU2013_NAM	Land use type	2013	2021	2031	2041	2051	2061
533000	Whitianga	Resid. - Lifestyle	62	63	66	65	64	64
		Resid. - Low Dens	284	312	353	360	361	360
		Resid. - Med-High Dens	11	12	12	12	12	12
		Commercial	19	19	19	19	19	20
		Manufacturing	16	16	16	16	16	16
		Dairying	267	262	242	239	240	249
		Sheep and Beef	655	644	619	616	614	567
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	161	193	191	191	191	229
		Indigenous	787	778	778	778	778	778

533100	Coromandel	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	235	232	229	228	223	216
		Resid. - Low Dens	52	65	75	77	77	76
		Resid. - Med-High Dens	1	1	1	1	1	1
		Commercial	7	7	7	7	7	7
		Manufacturing	2	2	2	2	2	2
		Dairying	16	19	19	19	19	19
		Sheep and Beef	236	227	219	218	220	220
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	1	2
		Forestry	51	60	60	60	62	68
		Indigenous	1221	1213	1213	1213	1213	1213

533200	Te Rerenga	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	848	860	875	863	826	766
		Resid. - Low Dens	385	393	398	390	358	302
		Resid. - Med-High Dens	1	1	1	1	1	0

Commercial	31	31	31	31	31	31
Manufacturing	11	11	11	11	11	11
Dairying	4909	4918	4916	4923	4943	5032
Sheep and Beef	20053	20101	20085	20092	20118	16191
other Agriculture	75	77	77	77	77	116
Cropping	57	72	73	71	76	96
Forestry	15703	16965	16986	16991	17009	20038
Indigenous	66455	65293	65269	65269	65267	66093

533300	Whangamata	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	94	95	97	98	97	97
		Resid. - Low Dens	334	338	339	339	339	338
		Resid. - Med-High Dens	8	8	8	8	8	8
		Commercial	7	8	8	8	8	8
		Manufacturing	8	8	8	8	8	8
		Dairying	4	5	5	5	5	6
		Sheep and Beef	60	57	53	53	53	53
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	34	35	35	34	35	35
		Indigenous	37	36	36	36	36	36

533400	Tairua	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	32	32	32	32	32	32
		Resid. - Low Dens	128	130	131	124	120	112
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	1	1	1	1	1	1
		Manufacturing	5	5	5	5	5	6
		Dairying	35	37	37	37	37	39
		Sheep and Beef	48	48	47	51	52	52
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	1
		Forestry	9	18	18	21	22	26
		Indigenous	152	144	144	144	144	144

533501	Moanataiari	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	1	1	1	1	1	1
		Resid. - Low Dens	77	77	77	77	77	77
		Resid. - Med-High Dens	3	3	3	3	3	3
		Commercial	20	20	20	20	20	20
		Manufacturing	5	5	5	5	5	5
		Dairying	0	0	0	0	0	0
		Sheep and Beef	0	1	1	1	1	1
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	527	527	527	527	527	527

533502	Parawai	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	100	103	107	109	109	108
		Resid. - Low Dens	157	164	166	166	166	166
		Resid. - Med-High Dens	3	3	3	3	3	3
		Commercial	8	8	8	8	8	8
		Manufacturing	16	16	16	16	16	16
		Dairying	151	151	151	151	151	152
		Sheep and Beef	90	96	91	89	89	89

other Agriculture	0	0	0	0	0	0
Cropping	1	1	1	1	1	1
Forestry	1	2	2	2	2	2
Indigenous	188	185	184	184	184	184

533602	Pauanui Beach	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	4	3	3	3	2	1
		Resid. - Low Dens	168	169	169	168	160	156
		Resid. - Med-High Dens	6	6	6	6	6	6
		Commercial	7	7	7	7	7	7
		Manufacturing	4	4	4	4	4	4
		Dairying	0	0	0	0	0	0
		Sheep and Beef	30	34	35	35	36	37
		other Agriculture	0	0	0	0	0	0
		Cropping	4	7	11	16	28	35
		Forestry	6	12	14	15	19	21
		Indigenous	153	152	152	152	152	152

533603	Hikuaui	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	801	816	821	821	809	786
		Resid. - Low Dens	88	92	96	98	93	90
		Resid. - Med-High Dens	0	0	1	1	0	0
		Commercial	6	6	6	6	6	6
		Manufacturing	56	57	57	58	58	59
		Dairying	7796	7795	7791	7790	7800	7812
		Sheep and Beef	6330	6402	6391	6391	6397	6394
		other Agriculture	8	8	9	10	11	11
		Cropping	0	0	0	0	1	6
		Forestry	14325	14650	14669	14669	14670	14681
		Indigenous	67605	67310	67289	67284	67283	67283

533604	Te Puru-Thornton Bay	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	21	20	19	19	18	18
		Resid. - Low Dens	38	40	41	40	40	39
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	2	2	2	2	2	2
		Manufacturing	0	0	0	0	0	0
		Dairying	2	2	2	2	2	2
		Sheep and Beef	167	168	168	169	169	169
		other Agriculture	0	0	0	0	1	1
		Cropping	0	0	0	0	0	0
		Forestry	1	1	1	1	1	2
		Indigenous	1951	1951	1951	1951	1951	1951

Hauraki DC		AU2013	AU2013_NAM	Land use type	2013	2021	2031	2041	2051	2061
521136	Kaiaua			Resid. - Lifestyle	142	144	145	145	145	145
				Resid. - Low Dens	38	38	38	38	39	39
				Resid. - Med-High Dens	0	0	0	0	0	0
				Commercial	1	2	4	8	26	43
				Manufacturing	0	0	0	0	0	0
				Dairying	1736	1735	1730	1729	1727	1726
				Sheep and Beef	3603	3603	3601	3595	3576	3559
				other Agriculture	9	9	9	9	9	9

Cropping	0	0	0	0	0	1
Forestry	267	400	400	400	400	400
Indigenous	2124	1994	1994	1994	1994	1994

533800	Ngatea	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	7	7	6	6	6	6
		Resid. - Low Dens	54	54	56	54	52	37
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	7	7	7	7	7	7
		Manufacturing	7	7	7	8	8	8
		Dairying	42	43	43	43	45	59
		Sheep and Beef	12	12	11	11	11	11
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	0	0	0	0	0	0

533901	Hauraki Plains	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	502	497	495	483	460	427
		Resid. - Low Dens	8	7	7	6	5	1
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	7	7	7	7	7	7
		Manufacturing	6	6	6	7	7	7
		Dairying	29927	29995	30001	30017	30044	30083
		Sheep and Beef	8144	8229	8229	8230	8230	8229
		other Agriculture	34	33	33	32	32	32
		Cropping	44	43	43	43	43	41
		Forestry	1535	1704	1699	1695	1692	1692
		Indigenous	8312	8141	8141	8141	8141	8141

533902	Turua	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	368	363	359	349	322	290
		Resid. - Low Dens	20	19	19	15	0	0
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	1	1	1	1	1	1
		Dairying	7296	7303	7308	7321	7359	7389
		Sheep and Beef	733	734	734	735	739	740
		other Agriculture	17	16	15	15	15	14
		Cropping	0	0	0	0	0	0
		Forestry	1	0	0	0	0	1
		Indigenous	27	27	27	27	27	27

533903	Kerepehi	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	33	34	36	36	35	32
		Resid. - Low Dens	21	21	21	21	21	20
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	17	19	19	19	19	19
		Dairying	651	651	652	652	653	657
		Sheep and Beef	37	34	31	31	31	31
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	1	1	1	1	1	1

534200	Ohinemuri	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	856	873	891	898	898	898
		Resid. - Low Dens	86	87	90	91	91	90
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	15903	15867	15855	15840	15827	15828
		Sheep and Beef	10079	10129	10111	10103	10103	10097
		other Agriculture	0	0	0	0	0	0
		Cropping	1	3	3	3	3	3
		Forestry	2651	2721	2697	2689	2685	2683
		Indigenous	25322	25234	25234	25234	25234	25234

534300	Paeroa	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	83	84	84	84	84	81
		Resid. - Low Dens	185	194	207	209	209	209
		Resid. - Med-High Dens	1	1	1	1	1	1
		Commercial	11	11	11	11	11	11
		Manufacturing	35	36	37	43	46	49
		Dairying	434	427	427	427	427	427
		Sheep and Beef	348	326	316	307	302	301
		other Agriculture	6	5	0	0	0	0
		Cropping	0	0	0	0	0	1
		Forestry	7	7	7	7	7	7
		Indigenous	5	5	5	5	5	5

534400	Waihi	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	166	169	178	182	180	180
		Resid. - Low Dens	237	244	251	253	255	255
		Resid. - Med-High Dens	2	2	2	2	2	2
		Commercial	13	14	14	14	14	14
		Manufacturing	26	27	29	30	30	30
		Dairying	104	105	104	103	103	103
		Sheep and Beef	123	117	101	96	96	96
		other Agriculture	1	1	1	1	1	1
		Cropping	1	3	2	1	1	1
		Forestry	16	17	17	17	17	17
		Indigenous	52	52	52	52	52	52

MPDC	AU2013	AU2013_NAM	Land use type	2013	2021	2031	2041	2051	2061
534500	Tahuroa		Resid. - Lifestyle	518	529	544	551	554	557
			Resid. - Low Dens	10	11	19	25	26	26
			Resid. - Med-High Dens	0	0	0	0	0	0
			Commercial	0	0	2	4	4	4
			Manufacturing	14	19	24	24	24	24
			Dairying	22822	22882	22870	22860	22860	22860
			Sheep and Beef	6014	5995	5978	5968	5963	5956
			other Agriculture	202	196	195	192	191	190
			Cropping	131	128	128	128	128	128
			Forestry	170	158	154	151	149	147
			Indigenous	2043	2006	2006	2006	2006	2006

534602	Waitoa	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	14	14	14	14	14	14

Resid. - Low Dens	16	16	16	16	16	16
Resid. - Med-High Dens	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Manufacturing	8	9	10	11	15	15
Dairying	527	529	528	522	515	514
Sheep and Beef	3	3	3	3	3	3
other Agriculture	0	0	0	0	0	0
Cropping	0	0	0	0	0	0
Forestry	2	0	0	0	0	0
Indigenous	6	6	6	6	6	6

534603	Springdale	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	282	289	295	299	299	299	
	Resid. - Low Dens	6	6	6	6	6	6	
	Resid. - Med-High Dens	0	0	0	0	0	0	
	Commercial	1	1	1	1	1	1	
	Manufacturing	9	13	17	23	25	33	
	Dairying	28059	28111	28127	28132	28138	28144	
	Sheep and Beef	5343	5345	5339	5335	5332	5328	
	other Agriculture	448	398	381	372	372	367	
	Cropping	25	24	24	23	21	19	
	Forestry	334	398	395	394	391	389	
Indigenous	8274	8199	8199	8199	8199	8199		

534604	Waihou- Walton	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	465	471	478	482	484	484	
	Resid. - Low Dens	18	18	18	18	18	18	
	Resid. - Med-High Dens	0	0	0	0	0	0	
	Commercial	2	2	2	2	2	2	
	Manufacturing	12	22	27	28	29	29	
	Dairying	38528	38687	38747	38809	38842	38876	
	Sheep and Beef	2497	2464	2442	2423	2410	2399	
	other Agriculture	411	344	300	261	240	222	
	Cropping	272	270	269	266	265	261	
	Forestry	859	809	803	797	795	794	
Indigenous	8036	8033	8033	8033	8033	8033		

534800	Te Aroha	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	117	134	135	137	137	135	
	Resid. - Low Dens	178	187	204	206	207	209	
	Resid. - Med-High Dens	1	1	1	1	1	1	
	Commercial	2	5	5	5	5	5	
	Manufacturing	10	12	12	12	12	12	
	Dairying	153	152	148	146	145	146	
	Sheep and Beef	141	117	101	98	98	98	
	other Agriculture	5	4	3	2	2	2	
	Cropping	0	0	0	0	0	0	
	Forestry	7	5	3	3	3	2	
Indigenous	391	391	391	391	391	391		

534901	Morrinsville West	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	45	38	34	36	36	37	
	Resid. - Low Dens	92	95	98	99	99	99	
	Resid. - Med-High Dens	0	0	0	0	0	0	

Commercial	6	8	9	9	9	9
Manufacturing	33	48	64	75	75	75
Dairying	75	75	67	61	61	59
Sheep and Beef	23	16	14	12	12	11
other Agriculture	15	15	9	0	0	0
Cropping	3	2	1	0	0	0
Forestry	0	0	0	0	0	0
Indigenous	14	13	13	13	13	13

534902	Morrinsville East	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	43	38	36	36	35	35	
	Resid. - Low Dens	198	217	230	243	244	244	
	Resid. - Med-High Dens	1	1	1	1	1	1	
	Commercial	9	9	9	9	9	9	
	Manufacturing	14	16	16	16	16	16	
	Dairying	56	43	29	13	13	13	
	Sheep and Beef	5	4	4	4	4	4	
	other Agriculture	0	0	0	0	0	0	
	Cropping	0	0	0	0	0	0	
	Forestry	0	0	0	0	0	0	
	Indigenous	23	22	22	22	22	22	

535000	Waharoa	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	2	2	2	2	2	2	
	Resid. - Low Dens	13	13	13	14	14	14	
	Resid. - Med-High Dens	0	0	0	0	0	0	
	Commercial	0	0	0	0	0	0	
	Manufacturing	3	3	3	3	3	3	
	Dairying	10	10	10	10	10	10	
	Sheep and Beef	3	3	3	2	2	2	
	other Agriculture	0	0	0	0	0	0	
	Cropping	2	3	3	3	3	3	
	Forestry	0	0	0	0	0	0	
	Indigenous	0	0	0	0	0	0	

535220	Okauia	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	346	353	365	377	379	382	
	Resid. - Low Dens	8	9	10	11	12	12	
	Resid. - Med-High Dens	0	0	0	0	0	0	
	Commercial	3	3	3	3	3	3	
	Manufacturing	14	25	37	38	38	38	
	Dairying	14105	14305	14448	14549	14611	14682	
	Sheep and Beef	2016	1942	1867	1806	1772	1734	
	other Agriculture	685	594	507	445	409	370	
	Cropping	411	407	407	407	407	407	
	Forestry	109	59	50	47	45	45	
	Indigenous	2971	2976	2976	2976	2976	2976	

535231	Te Poi	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	85	85	89	91	91	91	
	Resid. - Low Dens	4	4	4	4	4	4	
	Resid. - Med-High Dens	0	0	0	0	0	0	
	Commercial	0	0	0	0	0	0	
	Manufacturing	4	5	5	5	5	5	
	Dairying	7808	7867	7907	7940	7957	7965	

Sheep and Beef	1250	1229	1210	1191	1184	1178
other Agriculture	59	30	14	7	0	0
Cropping	69	67	67	67	67	67
Forestry	95	84	76	67	64	63
Indigenous	3355	3357	3357	3357	3357	3357

535242	Hinuera	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	131	131	133	133	133	133
		Resid. - Low Dens	1	1	1	2	2	2
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	1	1	1	1	1	1
		Manufacturing	25	25	25	25	25	25
		Dairying	6644	6743	6803	6873	6931	6983
		Sheep and Beef	3544	3475	3424	3369	3326	3280
		other Agriculture	478	463	441	427	416	404
		Cropping	259	267	278	280	282	290
		Forestry	107	87	84	81	75	73
		Indigenous	140	138	138	138	138	138

535501	Matamata North	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	6	5	4	0	0	0
		Resid. - Low Dens	117	120	126	129	129	129
		Resid. - Med-High Dens	6	6	6	6	6	6
		Commercial	7	7	7	7	7	7
		Manufacturing	34	35	35	35	35	35
		Dairying	5	3	2	0	0	0
		Sheep and Beef	3	0	0	0	0	0
		other Agriculture	5	5	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	0	0	0	0	0	0

535502	Matamata South	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	25	22	30	31	31	34
		Resid. - Low Dens	180	188	208	223	225	234
		Resid. - Med-High Dens	0	0	1	1	1	1
		Commercial	2	2	5	6	6	6
		Manufacturing	7	8	8	8	8	8
		Dairying	57	60	43	36	34	29
		Sheep and Beef	19	16	9	5	4	3
		other Agriculture	33	31	24	16	14	9
		Cropping	4	4	2	2	2	1
		Forestry	0	0	0	0	0	0
		Indigenous	0	0	0	0	0	0

South
Waikato DC

AU2013	AU2013_NAM	Land use type	2013	2021	2031	2041	2051	2061
535100	Tirau	Resid. - Lifestyle	14	14	14	14	14	14
		Resid. - Low Dens	37	37	37	37	36	35
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	2	2	2	2	2	2
		Manufacturing	6	6	6	6	6	6
		Dairying	3	3	3	3	4	5
		Sheep and Beef	6	6	6	6	6	6

other Agriculture	0	0	0	0	0	0
Cropping	0	0	0	0	0	0
Forestry	0	0	0	0	0	0
Indigenous	0	0	0	0	0	0

535211	Mangakaretu	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	59	60	60	59	56	54
		Resid. - Low Dens	1	1	1	1	1	1
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	1	1	1	1	1	1
		Manufacturing	0	0	0	0	0	0
		Dairying	883	887	894	902	910	913
		Sheep and Beef	69	65	59	53	50	49
		other Agriculture	1	1	1	1	1	1
		Cropping	0	0	0	0	0	0
		Forestry	4	3	3	2	0	0
		Indigenous	0	0	0	0	0	0

535212	Kinleith	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	79	79	80	81	81	81
		Resid. - Low Dens	3	3	3	3	3	2
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	255	255	255	256	256	256
		Dairying	1128	1132	1136	1140	1141	1142
		Sheep and Beef	169	165	163	160	160	160
		other Agriculture	13	13	11	8	8	8
		Cropping	0	0	0	0	0	0
		Forestry	177	177	177	177	176	176
		Indigenous	0	0	0	0	0	0

535232	Tapapa	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	183	183	184	183	177	170
		Resid. - Low Dens	2	2	2	2	2	2
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	1	1	1	1	1	1
		Manufacturing	0	0	0	0	0	0
		Dairying	10784	10873	10918	10948	10974	11020
		Sheep and Beef	4618	4587	4560	4540	4530	4508
		other Agriculture	67	60	57	56	56	56
		Cropping	141	141	141	140	135	119
		Forestry	9403	9401	9385	9379	9373	9372
		Indigenous	11378	11342	11342	11342	11342	11342

535250	Arapuni	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	348	347	348	334	318	301
		Resid. - Low Dens	25	22	19	14	11	9
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	12	12	12	12	12	12
		Dairying	23396	23779	24019	24235	24438	24618
		Sheep and Beef	5073	4896	4730	4556	4389	4249
		other Agriculture	14	12	10	9	6	4
		Cropping	18	18	18	18	18	18
		Forestry	650	486	417	394	380	362

	Indigenous	859	838	838	838	838	838	
535261	Lichfield	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	217	217	214	213	209	203
		Resid. - Low Dens	0	0	0	0	0	0
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	18	18	18	18	18	21
		Dairying	14162	14536	14806	15006	15202	15373
		Sheep and Beef	1447	1424	1399	1373	1359	1346
		other Agriculture	89	56	28	9	0	0
		Cropping	0	0	0	0	0	0
		Forestry	14602	14330	14116	13962	13793	13638
		Indigenous	1930	1907	1907	1907	1907	1907
535262	Wawa	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	86	86	85	82	79	76
		Resid. - Low Dens	0	0	0	0	0	0
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	7	7	7	7	7	7
		Dairying	16548	16907	17075	17188	17276	17357
		Sheep and Beef	720	705	685	661	650	644
		other Agriculture	1	1	1	1	1	1
		Cropping	57	57	57	57	57	57
		Forestry	51543	51478	51333	51247	51173	51100
		Indigenous	5764	5679	5677	5677	5677	5677
535310	Paraonui	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	7	7	7	7	7	7
		Resid. - Low Dens	70	70	69	66	63	62
		Resid. - Med-High Dens	1	1	1	1	1	1
		Commercial	0	0	0	0	0	0
		Manufacturing	1	1	1	1	1	1
		Dairying	105	105	106	108	110	112
		Sheep and Beef	0	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	0	0	0	0	0	0
535320	Parkdale	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	32	34	35	35	35	35
		Resid. - Low Dens	23	23	23	22	20	20
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	3	3	3	3	3	3
		Dairying	38	38	38	38	38	39
		Sheep and Beef	17	15	14	15	16	16
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	0	0	0	0	0	0
535330	Matarawa	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	42	42	42	42	42	42

Resid. - Low Dens	75	75	75	75	73	70
Resid. - Med-High Dens	1	1	1	1	1	1
Commercial	0	0	0	0	0	0
Manufacturing	0	0	0	0	0	0
Dairying	16	18	19	19	19	20
Sheep and Beef	18	16	15	15	15	14
other Agriculture	0	0	0	0	0	0
Cropping	0	0	0	0	0	1
Forestry	0	0	0	0	0	0
Indigenous	0	0	0	0	0	0

535340	Stanley Park	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	1	0	0	0	0	0
		Resid. - Low Dens	102	103	102	102	102	101
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	3	3	3	3	3	4
		Dairying	0	0	0	0	0	0
		Sheep and Beef	0	0	1	1	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	0	0	0	0	0	0

535350	Tokoroa Central	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	5	6	6	6	6	6
		Resid. - Low Dens	37	37	37	36	36	35
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	13	13	13	13	13	13
		Manufacturing	26	26	26	26	26	26
		Dairying	4	3	3	3	3	3
		Sheep and Beef	1	1	1	1	1	1
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	1	1
		Forestry	0	0	0	0	0	0
		Indigenous	0	0	0	0	0	0

535360	Aotea	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	118	118	118	116	114	107
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	110	112	112	112	114	116
		Sheep and Beef	2	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	0	0	0	0	0	0

535370	Strathmore	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	1	1	1	1
		Resid. - Low Dens	98	98	98	97	97	95
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0

Manufacturing	1	1	1	1	1	1
Dairying	17	17	17	17	17	18
Sheep and Beef	1	1	0	0	0	0
other Agriculture	0	0	0	0	0	0
Cropping	0	0	0	0	0	0
Forestry	0	0	0	1	1	1
Indigenous	0	0	0	0	0	0

535380	Amisfield	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	47	47	47	47	47	47
		Resid. - Low Dens	1	1	1	1	1	1
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	2	2	2	2	2	2
		Manufacturing	52	53	53	53	53	53
		Dairying	2	2	2	2	2	2
		Sheep and Beef	6	6	6	6	6	6
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	5	4	4	4	4	4
		Indigenous	0	0	0	0	0	0

535600	Putaruru	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	38	41	38	37	37	37
		Resid. - Low Dens	181	182	185	185	178	176
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	9	9	9	9	9	9
		Manufacturing	31	31	31	31	31	31
		Dairying	58	67	67	67	73	75
		Sheep and Beef	32	33	33	33	33	33
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	2	2	2	2	2
		Indigenous	0	0	0	0	0	0

Otorohanga
DC

AU2013	AU2013_NAM	Land use type	2013	2021	2031	2041	2051	2061
531100	Kawhia Community	Resid. - Lifestyle	3	2	2	2	2	2
		Resid. - Low Dens	45	46	48	48	47	46
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	1	1	1	1	1	1
		Manufacturing	1	1	1	1	1	1
		Dairying	0	0	0	0	0	0
		Sheep and Beef	9	12	10	10	10	10
		other Agriculture	0	0	0	0	0	0
		Cropping	0	1	0	0	1	2
		Forestry	0	0	0	0	0	0
		Indigenous	1	1	1	1	1	1

531200	Otorohanga	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	29	35	37	38	38	38
		Resid. - Low Dens	125	129	134	135	135	132
		Resid. - Med-High Dens	3	3	3	3	3	3
		Commercial	8	8	8	8	8	8

Manufacturing	24	24	24	25	25	25
Dairying	71	71	70	66	61	62
Sheep and Beef	33	29	20	18	17	17
other Agriculture	0	0	0	0	0	0
Cropping	0	0	0	0	0	0
Forestry	11	1	0	0	0	0
Indigenous	1	0	0	0	0	0

531301	Otorohanga Rural West		Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	577	580	588	585	577	563		
	Resid. - Low Dens	14	15	15	13	12	11		
	Resid. - Med-High Dens	0	0	0	0	0	0		
	Commercial	0	0	0	0	0	0		
	Manufacturing	2	2	2	2	2	2		
	Dairying	10008	10121	10151	10176	10208	10233		
	Sheep and Beef	33675	33701	33683	33674	33660	33588		
	other Agriculture	12	14	14	14	14	15		
	Cropping	0	1	1	2	2	3		
	Forestry	4042	4184	4167	4156	4145	4202		
	Indigenous	24051	23847	23844	23844	23844	23844		

531303	Te Kawa		Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	69	70	72	73	71	70		
	Resid. - Low Dens	1	1	2	2	2	1		
	Resid. - Med-High Dens	0	0	0	0	0	0		
	Commercial	0	0	0	0	0	0		
	Manufacturing	0	0	0	0	0	0		
	Dairying	5076	5111	5124	5126	5129	5138		
	Sheep and Beef	260	241	225	222	222	215		
	other Agriculture	0	0	0	0	0	0		
	Cropping	7	7	7	6	5	5		
	Forestry	15	2	2	2	2	2		
	Indigenous	2	2	2	2	2	2		

531304	Otorohanga Rural East		Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	680	679	687	684	669	646		
	Resid. - Low Dens	7	7	12	14	13	13		
	Resid. - Med-High Dens	0	0	0	0	0	0		
	Commercial	0	0	0	0	0	0		
	Manufacturing	0	0	0	0	0	0		
	Dairying	44931	45092	45225	45309	45379	45461		
	Sheep and Beef	32887	32879	32780	32715	32674	32607		
	other Agriculture	11	14	14	14	14	15		
	Cropping	77	78	78	78	76	66		
	Forestry	3284	3362	3311	3285	3271	3282		
	Indigenous	37686	37521	37519	37519	37519	37519		

Waitomo								
AU2013	AU2013_NAM	Land use type	2013	2021	2031	2041	2051	2061
531500	Piopio	Resid. - Lifestyle	33	33	33	33	33	33
		Resid. - Low Dens	18	16	16	16	16	15
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	4	4	4	4	4	4
		Manufacturing	5	5	5	5	5	5

Dairying	39	41	41	41	41	41
Sheep and Beef	51	51	51	51	50	50
other Agriculture	0	0	0	0	0	0
Cropping	0	0	0	0	0	0
Forestry	0	0	0	0	0	1
Indigenous	1	1	1	1	1	1

531600	Taharoa	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	12	11	9	7	5	3
		Resid. - Low Dens	14	10	10	7	5	4
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	23	202	202	204	207	226
		Sheep and Beef	1208	1479	1480	1483	1485	1339
		other Agriculture	0	0	0	0	0	8
		Cropping	0	3	3	3	3	3
		Forestry	1057	1156	1156	1156	1154	1285
		Indigenous	3212	3203	3203	3203	3203	3191

531710	Mahoenui	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	37	31	31	30	29	28
		Resid. - Low Dens	22	21	19	19	17	15
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	1363	1372	1380	1382	1384	1517
		Sheep and Beef	24736	24771	24771	24771	24772	20809
		other Agriculture	0	0	0	0	0	67
		Cropping	0	16	18	18	19	19
		Forestry	2914	3026	3018	3017	3016	6785
		Indigenous	43287	43186	43186	43186	43186	43176

531720	Marokopa	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	350	339	332	322	308	294
		Resid. - Low Dens	12	2	1	1	0	0
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	29	27	27	27	27	27
		Manufacturing	5	5	5	6	6	7
		Dairying	10398	10376	10385	10392	10399	10409
		Sheep and Beef	61824	61919	61923	61928	61937	61513
		other Agriculture	130	132	132	132	132	139
		Cropping	19	31	31	32	33	33
		Forestry	4504	4706	4704	4702	4699	5102
		Indigenous	44809	44639	44637	44637	44637	44647

531731	Waipa Valley	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	250	249	248	245	241	235
		Resid. - Low Dens	3	3	3	3	3	3
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	5	5	5	5	5	5
		Manufacturing	22	22	24	24	25	26
		Dairying	6172	6162	6171	6179	6184	6190
		Sheep and Beef	28043	28075	28073	28075	28076	28072
		other Agriculture	0	0	0	0	0	0

Cropping	0	0	0	0	0	0
Forestry	3515	3682	3677	3669	3666	3668
Indigenous	9372	9211	9209	9209	9209	9209

531800	Mokauiti	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	84	78	77	76	74	72
		Resid. - Low Dens	13	11	11	11	11	11
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	1	2	2	2	2	2
		Dairying	6167	6103	6103	6105	6105	6106
		Sheep and Beef	48157	48210	48211	48211	48212	48041
		other Agriculture	0	0	0	0	0	2
		Cropping	0	0	0	0	0	0
		Forestry	5743	5986	5989	5988	5988	6151
		Indigenous	22480	22279	22276	22276	22276	22283

532000	Te Kuiti	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	85	85	85	85	85	83
		Resid. - Low Dens	186	183	183	182	181	178
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	19	19	19	19	19	19
		Manufacturing	38	39	41	42	43	44
		Dairying	10	10	9	9	9	10
		Sheep and Beef	96	101	99	96	96	96
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	1
		Forestry	5	5	5	5	5	5
		Indigenous	11	11	11	11	11	11

Taupo DC								
AU2013	AU2013_NAM	Land use type	2013	2021	2031	2041	2051	2061
532200	Omori	Resid. - Lifestyle	13	13	14	14	14	13
		Resid. - Low Dens	92	94	94	95	93	90
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	3	3	3	2	2	2
		Manufacturing	0	0	0	0	0	0
		Dairying	2	2	2	2	2	2
		Sheep and Beef	46	45	45	45	45	45
		other Agriculture	0	0	0	0	1	2
		Cropping	0	0	0	0	0	1
		Forestry	3	9	9	9	10	12
		Indigenous	136	137	137	137	137	137

532502	Kuratau	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	223	224	224	223	212	195
		Resid. - Low Dens	19	19	19	19	19	17
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	2879	2879	2879	2879	2879	2879
		Sheep and Beef	16746	16768	16768	16766	16767	14928
		other Agriculture	0	0	0	0	0	18
		Cropping	10	11	11	12	17	33
		Forestry	7287	7623	7632	7634	7639	9249

	Indigenous	17761	17488	17479	17479	17479	17544	
540900	Mangakino	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	2	3	3	3	3	3
		Resid. - Low Dens	70	74	74	74	74	74
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	4	4	4	4	4	4
		Manufacturing	3	3	3	3	3	3
		Dairying	38	58	58	65	66	66
		Sheep and Beef	100	93	91	82	79	79
		other Agriculture	1	1	1	1	1	1
		Cropping	0	2	2	2	2	2
		Forestry	0	6	6	6	6	6
		Indigenous	11	11	11	11	11	11
541000	Turangi	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	4	3	3	3	3	3
		Resid. - Low Dens	194	196	201	204	195	180
		Resid. - Med-High Dens	4	5	5	4	4	3
		Commercial	23	23	23	23	23	23
		Manufacturing	43	43	43	43	44	44
		Dairying	0	0	0	0	0	0
		Sheep and Beef	56	62	61	61	62	48
		other Agriculture	1	1	1	1	1	2
		Cropping	0	1	1	1	1	1
		Forestry	44	127	123	121	125	149
		Indigenous	274	270	270	270	270	268
541311	Acacia Bay	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	233	233	234	236	236	235
		Resid. - Low Dens	66	68	68	68	68	68
		Resid. - Med-High Dens	0	0	1	1	1	1
		Commercial	1	1	1	1	1	1
		Manufacturing	0	0	0	0	0	0
		Dairying	0	0	0	0	0	0
		Sheep and Beef	246	250	248	246	246	246
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	24	34	34	34	34	35
		Indigenous	97	96	96	96	96	96
541312	Wairakei- Aratiatia	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	49	52	54	54	54	54
		Resid. - Low Dens	16	18	18	18	18	18
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	4	4	4	4	4	4
		Manufacturing	96	96	96	96	96	96
		Dairying	650	636	602	579	573	570
		Sheep and Beef	2912	2918	2916	2916	2915	2915
		other Agriculture	0	0	0	0	0	0
		Cropping	317	316	316	316	316	316
		Forestry	1498	1527	1525	1525	1525	1525
		Indigenous	497	474	474	474	474	474
541313	Maunganamu	Land use type	2013	2021	2031	2041	2051	2061

Resid. - Lifestyle	140	149	157	159	159	159
Resid. - Low Dens	8	16	16	16	16	16
Resid. - Med-High Dens	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Manufacturing	1	1	1	1	1	2
Dairying	218	218	218	218	218	218
Sheep and Beef	1096	1095	1090	1089	1089	1089
other Agriculture	0	0	0	0	0	0
Cropping	0	0	0	0	0	0
Forestry	264	273	270	269	269	269
Indigenous	76	75	75	75	75	75

541315	Taupo East	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	5	6	9	10	11	11
		Resid. - Low Dens	1	1	2	2	2	2
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	17	17	17	17	17	17
		Dairying	8	8	8	8	8	8
		Sheep and Beef	436	439	439	439	438	438
		other Agriculture	5	5	5	5	5	5
		Cropping	0	0	0	0	0	0
		Forestry	66	64	61	60	60	60
		Indigenous	27	27	27	27	27	27

541316	Wharewaka	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	37	43	50	71	75	75
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	77	77	72	45	38	38
		Sheep and Beef	134	130	128	127	125	125
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	15	21	21	19	14	14
		Indigenous	0	0	0	0	0	0

541317	Rangatira Park	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	28	29	30	30	30	30
		Resid. - Low Dens	39	43	43	43	43	43
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	8	8	8	8	8	8
		Dairying	9	9	9	9	9	9
		Sheep and Beef	2	17	16	16	16	16
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	58	57	57	57	57	57

541318	Rangatira	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	13	13	13	13	13	13
		Resid. - Low Dens	2	2	4	4	4	4
		Resid. - Med-High Dens	0	0	0	0	0	0

Commercial	0	0	0	0	0	0
Manufacturing	0	0	0	0	0	0
Dairying	4	4	4	4	4	4
Sheep and Beef	310	311	308	304	304	304
other Agriculture	0	0	0	0	0	0
Cropping	1	1	1	1	1	1
Forestry	35	35	35	35	35	35
Indigenous	4	4	4	4	4	4

541319	Lakewood	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	2	2	2	2	2	2
		Resid. - Low Dens	63	76	90	98	98	99
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	1	1	1	1	1	0
		Manufacturing	0	0	0	0	0	0
		Dairying	19	18	17	13	13	13
		Sheep and Beef	83	88	87	87	86	86
		other Agriculture	0	0	0	0	0	0
		Cropping	0	1	0	0	0	0
		Forestry	38	60	47	37	34	34
		Indigenous	13	13	13	13	13	13

541320	Marotiri	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	420	420	421	425	419	413
		Resid. - Low Dens	11	11	11	11	11	11
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	1	1	1	1	1	1
		Manufacturing	0	0	0	0	0	0
		Dairying	26066	26115	26175	26195	26205	26214
		Sheep and Beef	23175	23175	23162	23153	23146	23116
		other Agriculture	69	61	61	61	61	61
		Cropping	0	0	0	0	0	0
		Forestry	12411	12780	12732	12706	12687	12702
		Indigenous	37531	37157	37154	37154	37154	37153

541333	Kinloch	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	6	6	6	6	6	6
		Resid. - Low Dens	84	97	99	100	100	97
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	1	1	1	1	1	1
		Manufacturing	0	0	0	0	0	0
		Dairying	2	2	2	2	2	2
		Sheep and Beef	296	298	298	298	297	297
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	18	25	23	22	22	22
		Indigenous	76	76	76	76	76	76

541334	Tatua	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	119	124	130	133	131	131
		Resid. - Low Dens	10	10	10	10	10	10
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	5829	5853	5872	5895	5915	5927
		Sheep and Beef	1287	1284	1280	1279	1279	1279

other Agriculture	18	18	18	18	18	18
Cropping	0	1	1	1	2	2
Forestry	13765	13775	13755	13730	13711	13699
Indigenous	1055	1035	1035	1035	1035	1035

541335	Oruanui	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	2114	2150	2186	2213	2207	2192
		Resid. - Low Dens	7	7	8	8	6	5
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	2	2	2	2	2	2
		Manufacturing	0	0	0	0	0	0
		Dairying	12675	12660	12701	12723	12750	12774
		Sheep and Beef	16016	16000	15963	15936	15933	15933
		other Agriculture	99	102	101	103	103	103
		Cropping	0	1	1	1	1	1
		Forestry	9006	9143	9103	9079	9063	9053
		Indigenous	4152	4081	4081	4081	4081	4081

541344	Broadlands	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	402	405	411	413	413	410
		Resid. - Low Dens	11	12	12	12	12	12
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	7	7	7	7	7	7
		Dairying	11822	11640	11630	11627	11620	11625
		Sheep and Beef	4528	4539	4533	4531	4530	4529
		other Agriculture	79	89	89	89	88	88
		Cropping	99	100	100	100	100	100
		Forestry	42904	43333	43351	43350	43347	43344
		Indigenous	3632	3344	3314	3306	3305	3305

541345	Waitahanui	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	19	19	19	18	17	13
		Resid. - Low Dens	36	40	41	41	36	33
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	1	1	1	1	1	1
		Manufacturing	0	0	0	0	0	0
		Dairying	36	36	36	36	36	36
		Sheep and Beef	115	141	140	141	144	145
		other Agriculture	0	0	0	0	2	3
		Cropping	0	0	0	0	1	2
		Forestry	678	730	730	730	731	734
		Indigenous	446	437	437	437	437	437

541346	Tongariro	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	75	74	74	71	62	49
		Resid. - Low Dens	52	54	54	55	55	51
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	32	32	32	32	32	32
		Sheep and Beef	2250	2342	2342	2341	2341	1993
		other Agriculture	0	0	0	0	0	0
		Cropping	0	1	1	1	1	1
		Forestry	24412	25940	26179	26253	26277	26543
		Indigenous	23914	22731	22493	22421	22405	22396

541347	Motuoapa	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	41	45	52	54	54	50
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	1	1	1	1	1	1
		Sheep and Beef	10	13	12	12	12	12
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	5	17	11	9	8	12
		Indigenous	218	218	218	218	218	218
541348	Tokaanu	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	37	37	37	35	28	10
		Resid. - Low Dens	5	5	5	5	3	2
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	1	1	1	1	1	1
		Manufacturing	0	0	0	0	0	0
		Dairying	12	12	12	12	12	12
		Sheep and Beef	299	336	336	336	337	196
		other Agriculture	0	0	0	0	0	1
		Cropping	22	25	25	27	29	28
		Forestry	51	156	156	156	162	285
		Indigenous	2618	2609	2609	2609	2609	2607
541501	Rangipo	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	15	15	15	15	15	15
		Resid. - Low Dens	0	0	0	0	0	0
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	57	77	77	76	75	77
		Sheep and Beef	3759	3777	3777	3777	3777	3685
		other Agriculture	0	0	0	0	0	1
		Cropping	0	6	6	7	8	10
		Forestry	11859	12711	12720	12720	12720	12772
		Indigenous	74534	73963	73954	73954	73954	73989
541710	Nukuhau	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	65	68	68	69	69	69
		Resid. - Med-High Dens	2	2	2	2	2	2
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	0	0	0	0	0	0
		Sheep and Beef	1	1	1	1	1	1
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	1	1	0	0	0
		Indigenous	6	6	6	6	6	6
541720	Taupo Central	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	123	123	123	122	122	122

Resid. - Med-High Dens	14	15	15	16	16	16
Commercial	15	15	15	15	15	15
Manufacturing	11	11	11	11	11	11
Dairying	0	0	0	0	0	0
Sheep and Beef	1	0	0	0	0	0
other Agriculture	0	0	0	0	0	0
Cropping	0	0	0	0	0	0
Forestry	0	0	0	0	0	0
Indigenous	4	4	4	4	4	4

541730	Tauhara	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	13	25	26	27	27
		Resid. - Low Dens	147	147	147	147	148	148
		Resid. - Med-High Dens	1	1	1	1	1	1
		Commercial	16	16	16	16	15	15
		Manufacturing	65	65	65	65	65	65
		Dairying	2	2	1	1	1	1
		Sheep and Beef	38	35	35	35	35	35
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	60	51	40	39	38	38
		Indigenous	36	36	36	36	36	36

541740	Hilltop	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	1	5	5	4	4	4
		Resid. - Low Dens	165	165	166	166	166	166
		Resid. - Med-High Dens	4	4	4	5	5	5
		Commercial	17	17	17	17	17	17
		Manufacturing	1	1	1	1	1	1
		Dairying	2	2	2	2	2	2
		Sheep and Beef	5	7	5	5	5	5
		other Agriculture	0	0	0	0	0	0
		Cropping	1	0	0	0	0	0
		Forestry	3	2	2	2	2	2
		Indigenous	26	27	27	27	27	27

541750	Waipahihi	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	102	113	123	124	124	124
		Resid. - Med-High Dens	5	5	5	5	5	5
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	45	42	38	38	38	38
		Sheep and Beef	2	4	2	2	2	2
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	4	10	7	7	7	7
		Indigenous	49	46	45	44	44	44

541760	Richmond Heights	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	102	120	167	173	173	173
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0

Dairying	42	31	6	1	1	1
Sheep and Beef	1	6	1	1	1	1
other Agriculture	0	0	0	0	0	0
Cropping	0	0	0	0	0	0
Forestry	6	20	2	1	1	1
Indigenous	2	1	1	1	1	1

8.3 Low Population Projection – Land Use Projection Summaries

By Non-FP Council:

TA

TCDC	Land type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	2197	2145	2069	1966	1828	1669
	Resid. - Low Dens	1711	1717	1697	1615	1503	1374
	Resid. - Med-High Dens	33	33	33	31	29	26
	Commercial	108	109	110	110	111	113
	Manufacturing	123	124	124	126	126	127
	Dairying	13179	13222	13251	13304	13386	13623
	Sheep and Beef	27668	27858	27893	27941	25334	21655
	other Agriculture	83	87	87	90	122	78
	Cropping	62	83	97	130	212	327
	Forestry	30291	31956	32020	32073	34119	37423
	Indigenous	139075	137592	137542	137533	138141	138436

HDC	Land type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	2157	2099	2032	1939	1810	1671
	Resid. - Low Dens	649	642	638	610	570	526
	Resid. - Med-High Dens	3	3	3	3	2	0
	Commercial	39	41	41	42	50	53
	Manufacturing	92	96	100	110	114	117
	Dairying	56093	56178	56241	56342	56481	56655
	Sheep and Beef	23080	23228	23215	23213	23208	23191
	other Agriculture	66	63	57	54	54	37
	Cropping	46	49	50	51	52	60
	Forestry	4478	4849	4821	4811	4813	4829
	Indigenous	35844	35454	35454	35454	35454	35456

MPDC	Land type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	2078	2067	2058	2033	1983	1931
	Resid. - Low Dens	841	867	908	924	905	888
	Resid. - Med-High Dens	8	8	9	9	8	8
	Commercial	33	39	43	44	48	50
	Manufacturing	188	240	281	307	312	315
	Dairying	118850	119496	119814	120121	120358	120623
	Sheep and Beef	20862	20640	20461	20307	20205	20078
	other Agriculture	2342	2081	1884	1735	1660	1571
	Cropping	1176	1173	1181	1176	1186	1193
	Forestry	1682	1602	1567	1542	1528	1535
	Indigenous	25253	25141	25141	25141	25141	25141

South	Land type	2013	2021	2031	2041	2051	2061
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Waikato DC						
Resid. - Lifestyle	1159	1133	1094	1038	972	904
Resid. - Low Dens	774	753	727	690	646	600
Resid. - Med-High Dens	2	2	2	2	2	2
Commercial	28	28	28	28	28	28
Manufacturing	414	415	415	416	418	419
Dairying	67254	68524	69312	69953	70536	71093
Sheep and Beef	12179	11924	11680	11419	11213	11016
other Agriculture	183	142	106	82	71	69
Cropping	216	218	218	217	214	205
Forestry	76385	75883	75438	75169	74905	74664
Indigenous	19931	19766	19764	19764	19764	19764

Otorohanga DC						
Land type	2013	2021	2031	2041	2051	2061
Resid. - Lifestyle	1358	1321	1289	1235	1164	1081
Resid. - Low Dens	194	192	196	189	178	165
Resid. - Med-High Dens	3	3	3	3	3	2
Commercial	9	9	9	9	10	10
Manufacturing	27	27	27	29	29	30
Dairying	60085	60420	60627	60783	60935	61121
Sheep and Beef	66865	66880	66768	66699	66606	66072
other Agriculture	23	28	28	28	28	28
Cropping	84	87	86	88	87	87
Forestry	7353	7558	7486	7445	7457	7898
Indigenous	61741	61371	61366	61366	61372	61368

Waitomo						
Land type	2013	2021	2031	2041	2051	2061
Resid. - Lifestyle	850	802	763	720	673	623
Resid. - Low Dens	268	239	228	216	202	188
Resid. - Med-High Dens	0	0	0	0	0	0
Commercial	57	55	55	55	55	56
Manufacturing	71	73	76	78	80	83
Dairying	24173	24276	24305	24337	24443	24968
Sheep and Beef	164116	164631	164660	164687	162325	154810
other Agriculture	130	132	132	132	219	128
Cropping	19	51	56	61	68	75
Forestry	17739	18563	18550	18538	20729	27914
Indigenous	123172	122531	122524	122523	122543	122461

Taupo DC						
Land type	2013	2021	2031	2041	2051	2061
Resid. - Lifestyle	3921	3908	3870	3795	3655	3484
Resid. - Low Dens	1569	1630	1677	1672	1610	1536
Resid. - Med-High Dens	29	30	31	31	29	28
Commercial	90	90	90	89	89	88
Manufacturing	251	251	251	251	252	254
Dairying	60525	60429	60489	60545	60602	60676
Sheep and Beef	73950	74236	74208	74214	72791	68929
other Agriculture	272	279	280	285	312	283
Cropping	450	467	477	496	533	587
Forestry	124458	128524	128694	128718	129949	133506
Indigenous	167254	164425	164135	164055	164084	164295

By Census Area Unit: Low Population Projection⁴

Waikato DC								
AU2013	AU2013_NAM	Land use type	2013	2021	2031	2041	2051	2061
521114	Redoubt	Resid. - Lifestyle	42	50	56	56	56	55
		Resid. - Low Dens	0	19	55	97	139	149
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	1	1	1	5	6
		Manufacturing	2	2	2	2	2	2
		Dairying	71	74	53	52	62	70
		Sheep and Beef	312	309	294	293	156	96
		other Agriculture	43	41	39	34	71	69
		Cropping	144	148	141	104	69	64
		Forestry	4	4	4	4	80	129
		Indigenous	43	43	43	43	44	44
521115	Opuawhanga	Resid. - Lifestyle	111	120	127	121	117	117
		Resid. - Low Dens	0	0	1	4	4	11
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	5	17	24	36	40	40
		Dairying	23	21	20	18	16	16
		Sheep and Beef	365	329	315	304	278	220
		other Agriculture	38	36	35	33	40	38
		Cropping	228	247	248	252	254	253
		Forestry	2	3	3	3	20	72
		Indigenous	119	119	119	119	119	120
521117	Buckland South	Resid. - Lifestyle	309	354	381	392	395	393
		Resid. - Low Dens	2	6	20	23	24	26
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	1	1
		Manufacturing	0	0	1	1	1	1
		Dairying	178	100	83	77	76	82
		Sheep and Beef	609	525	467	445	420	344
		other Agriculture	173	176	175	177	187	190
		Cropping	529	571	585	588	590	602
		Forestry	27	28	27	27	34	87
		Indigenous	114	111	111	111	111	112
521131	Pokeno	Resid. - Lifestyle	701	766	807	815	816	812
		Resid. - Low Dens	13	34	176	330	423	452
		Resid. - Med-High Dens	0	2	2	2	2	2
		Commercial	2	2	4	27	36	39
		Manufacturing	4	4	7	31	69	104
		Dairying	576	595	569	494	435	448

⁴ Note: These results are based on including the R2 and HT1 areas, that are currently still part of Waikato District, into the Hamilton City CAU area totals. R2 part of Kainui CAU is included into Sylvester and HT1 parts of Gordonton and eureka are included into Huntington.

Sheep and Beef	2881	2794	2614	2464	2256	1911
other Agriculture	37	35	35	35	72	72
Cropping	177	195	209	216	214	219
Forestry	120	168	164	161	243	502
Indigenous	447	445	445	444	447	447

521135	Mangatawhiri	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	447	480	499	503	504	499
		Resid. - Low Dens	3	6	9	29	31	39
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	1
		Manufacturing	7	7	7	7	7	7
		Dairying	6491	6567	6567	6561	6589	6758
		Sheep and Beef	6805	6772	6748	6729	6624	6044
		other Agriculture	76	76	75	75	97	97
		Cropping	1163	1187	1191	1193	1194	1198
		Forestry	744	910	914	913	965	1366
		Indigenous	14300	14197	14192	14192	14192	14190

521153	Otaua	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	801	847	878	889	891	890
		Resid. - Low Dens	3	3	3	3	4	4
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	1	1	1	1	1	1
		Manufacturing	256	256	256	256	256	256
		Dairying	8127	8598	8627	8651	8950	9490
		Sheep and Beef	3733	3622	3546	3506	2766	1677
		other Agriculture	88	91	91	93	329	332
		Cropping	184	278	305	306	308	323
		Forestry	1190	1256	1253	1250	1445	1970
		Indigenous	746	737	737	737	739	744

526106	Pukeoware	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	125	131	138	138	138	138
		Resid. - Low Dens	0	0	0	0	0	0
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	55	54	51	52	53	65
		Sheep and Beef	367	327	303	295	272	195
		other Agriculture	0	0	0	0	7	7
		Cropping	174	210	230	238	248	277
		Forestry	12	13	13	12	17	55
		Indigenous	34	33	33	33	33	32

526200	Tuakau	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	110	118	113	92	82	76
		Resid. - Low Dens	132	165	172	188	196	198
		Resid. - Med-High Dens	0	3	10	17	21	25
		Commercial	12	16	16	18	18	18
		Manufacturing	34	43	43	44	44	44
		Dairying	27	14	11	7	6	7
		Sheep and Beef	64	24	18	17	15	12
		other Agriculture	1	0	0	0	0	0
		Cropping	9	7	7	7	7	6
		Forestry	7	8	8	8	10	11

	Indigenous	15	14	13	13	13	13	
526400	Rotowaro	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	0	0	0	0	0	0
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	5	8	8	8	8	8
		Sheep and Beef	9	10	10	10	10	10
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	4	5	5	5	5	5
		Indigenous	0	0	0	0	0	0
526500	Raglan	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	66	59	55	57	57	56
		Resid. - Low Dens	164	216	235	236	236	237
		Resid. - Med-High Dens	1	1	1	1	1	1
		Commercial	6	8	8	8	8	8
		Manufacturing	2	2	2	2	2	2
		Dairying	111	93	76	72	72	72
		Sheep and Beef	38	16	13	12	7	7
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	6	5	5	5	5	5
		Indigenous	8	8	8	8	8	8
526601	Waikato Western Hills	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	1206	1409	1599	1671	1686	1679
		Resid. - Low Dens	37	40	41	41	41	42
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	2	2	2	2	2	2
		Manufacturing	0	0	0	0	0	0
		Dairying	9082	9242	9190	9177	9177	9198
		Sheep and Beef	19384	19392	19278	19235	19226	19214
		other Agriculture	57	57	57	57	57	57
		Cropping	126	129	129	129	129	131
		Forestry	4788	5114	5086	5066	5060	5055
		Indigenous	13311	12940	12940	12940	12940	12940
526602	Te Uku	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	504	575	658	706	719	709
		Resid. - Low Dens	10	26	27	28	28	28
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	28	28	28	28	28	28
		Manufacturing	10	10	11	11	12	12
		Dairying	5105	5144	5140	5151	5156	5186
		Sheep and Beef	21661	21618	21550	21509	21420	20830
		other Agriculture	18	20	19	19	22	21
		Cropping	21	24	24	24	25	28
		Forestry	2230	2302	2290	2272	2331	2865
		Indigenous	15613	15489	15489	15488	15491	15498
526701	Onewhero	Land use type	2013	2021	2031	2041	2051	2061

Resid. - Lifestyle	1167	1192	1217	1223	1219	1201
Resid. - Low Dens	56	60	79	81	81	87
Resid. - Med-High Dens	0	0	0	0	0	0
Commercial	0	1	1	1	1	1
Manufacturing	2	2	2	2	2	2
Dairying	4646	4775	4772	4778	4899	5515
Sheep and Beef	50411	50397	50289	50227	48967	45321
other Agriculture	164	163	162	155	316	312
Cropping	2771	2863	2941	3001	3038	3085
Forestry	3883	4326	4331	4326	5279	8341
Indigenous	9384	8921	8905	8905	8895	8810

526702

Te Akau	Land use type	2006	2013	2021	2031	2041	2052
	Resid. - Lifestyle	203	248	302	318	318	311
	Resid. - Low Dens	1	1	1	1	1	1
	Resid. - Med-High Dens	0	0	0	0	0	0
	Commercial	0	0	0	0	0	0
	Manufacturing	0	0	0	0	0	0
	Dairying	3190	3228	3234	3235	3238	3288
	Sheep and Beef	38795	38800	38756	38744	38713	38397
	other Agriculture	9	11	11	11	11	11
	Cropping	77	80	80	80	80	80
	Forestry	3705	3956	3940	3935	3961	4220
	Indigenous	3864	3604	3604	3604	3605	3607

526900

Te Kauwhata	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	142	157	163	162	160	159
	Resid. - Low Dens	43	74	106	113	115	114
	Resid. - Med-High Dens	0	0	0	0	0	0
	Commercial	2	4	8	11	12	13
	Manufacturing	7	8	13	16	17	18
	Dairying	50	41	21	10	10	10
	Sheep and Beef	138	99	71	69	68	68
	other Agriculture	0	0	0	0	0	0
	Cropping	34	35	34	34	32	32
	Forestry	2	2	2	2	2	2
	Indigenous	0	0	0	0	0	0

527004

Matangi	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	1011	1106	1198	1212	1212	1212
	Resid. - Low Dens	10	11	11	11	11	12
	Resid. - Med-High Dens	0	0	0	0	0	0
	Commercial	0	0	0	0	0	0
	Manufacturing	6	6	6	6	6	6
	Dairying	285	247	215	208	208	208
	Sheep and Beef	644	587	527	521	521	521
	other Agriculture	21	21	21	21	21	21
	Cropping	114	117	117	117	117	116
	Forestry	15	14	13	13	13	13
	Indigenous	103	100	100	100	100	100

527111

Whitikahu	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	299	313	344	362	367	361
	Resid. - Low Dens	4	4	4	4	4	4
	Resid. - Med-High Dens	0	0	0	0	0	0
	Commercial	0	0	0	0	0	0

Manufacturing	11	11	12	13	15	15
Dairying	23554	23569	23549	23540	23540	23550
Sheep and Beef	4955	4947	4940	4933	4928	4919
other Agriculture	6	6	6	5	5	5
Cropping	2	9	9	9	9	9
Forestry	234	248	243	241	239	244
Indigenous	1027	1006	1006	1006	1006	1006

527112	Taupiri Community	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	19	19	27	37	40	40
		Resid. - Low Dens	22	28	31	31	31	31
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	2	2	4	4	5	5
		Manufacturing	2	2	2	2	2	2
		Dairying	53	45	33	23	19	19
		Sheep and Beef	9	9	8	8	8	8
		other Agriculture	0	0	0	0	0	0
		Cropping	1	1	1	1	1	1
		Forestry	1	1	1	1	1	1
		Indigenous	0	0	0	0	0	0

527122	Gordonton ⁴	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	223	256	302	330	345	344
		Resid. - Low Dens	3	3	3	4	4	5
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	1	1	1	1	1	1
		Dairying	3688	3650	3567	3485	3443	3427
		Sheep and Beef	181	181	180	180	180	180
		other Agriculture	0	0	0	0	0	0
		Cropping	20	20	20	20	16	14
		Forestry	6	4	4	3	3	3
		Indigenous	16	16	16	16	16	16

527123	Kainui ⁴	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	701	893	1228	1366	1408	1407
		Resid. - Low Dens	5	10	12	20	22	25
		Resid. - Med-High Dens	0	0	0	0	0	1
		Commercial	2	3	14	15	15	17
		Manufacturing	0	0	0	1	1	1
		Dairying	7917	7845	7623	7514	7479	7477
		Sheep and Beef	907	803	676	638	628	625
		other Agriculture	11	11	11	11	11	11
		Cropping	49	52	53	52	52	52
		Forestry	25	11	10	10	10	10
		Indigenous	98	94	94	94	94	94

527125	Eureka ⁴	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	835	980	1133	1203	1236	1233
		Resid. - Low Dens	0	0	0	0	0	0
		Resid. - Med-High Dens	0	0	0	0	0	1
		Commercial	8	8	8	8	8	8
		Manufacturing	0	0	0	0	1	2
		Dairying	9503	9432	9331	9290	9281	9290
Sheep and Beef	1525	1458	1408	1381	1362	1361		

other Agriculture	21	21	21	21	21	21
Cropping	45	45	45	43	38	32
Forestry	13	11	8	8	8	7
Indigenous	42	42	42	42	42	42

527131	Tamahere-Tauwhare	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	2192	2478	2702	2783	2806	2805
		Resid. - Low Dens	8	8	8	8	8	8
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	5	5	5	5	5	5
		Manufacturing	10	12	13	14	14	15
		Dairying	0	0	0	0	0	0
		Sheep and Beef	3841	3623	3476	3433	3421	3419
		other Agriculture	413	410	409	409	409	409
		Cropping	160	164	165	165	165	165
		Forestry	144	132	126	118	115	115
		Indigenous	492	480	480	480	480	480

527210	Waerenga	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	356	455	566	608	626	622
		Resid. - Low Dens	4	17	31	35	40	62
		Resid. - Med-High Dens	1	1	1	1	1	1
		Commercial	0	3	3	4	4	4
		Manufacturing	38	41	43	47	48	48
		Dairying	14131	14147	14136	14130	14144	14288
		Sheep and Beef	20183	20093	19984	19945	19816	18854
		other Agriculture	148	148	148	148	154	154
		Cropping	130	157	157	156	154	152
		Forestry	1116	1252	1247	1241	1281	1738
		Indigenous	4948	4847	4844	4844	4848	4892

527221	Maramarua	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	293	366	443	487	506	506
		Resid. - Low Dens	4	5	6	6	6	6
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	1	1	1	1	1
		Manufacturing	8	17	32	33	44	50
		Dairying	6850	7288	7283	7287	7315	7430
		Sheep and Beef	6765	6775	6704	6662	6561	6215
		other Agriculture	248	248	248	248	255	255
		Cropping	2	4	4	4	4	4
		Forestry	6024	6263	6247	6241	6270	6457
		Indigenous	4367	4228	4228	4228	4229	4233

527222	Meremere	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	19	30	32	32	32	32
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	3	0	0	0	0	0
		Manufacturing	0	3	4	4	4	4
		Dairying	15	4	2	2	2	2
		Sheep and Beef	4	1	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0

	Indigenous	2	2	2	2	2	2	
527401	Huntly West	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	15	25	35	38	39	39
		Resid. - Low Dens	102	118	123	123	123	123
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	1	0	0	0	0	1
		Manufacturing	7	7	7	9	9	9
		Dairying	162	154	143	142	142	141
		Sheep and Beef	146	133	129	125	124	124
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	8	6	3	3	3	3
		Indigenous	33	31	31	31	31	31
527402	Huntly East	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	74	93	119	136	146	144
		Resid. - Low Dens	174	194	226	229	230	235
		Resid. - Med-High Dens	2	2	2	2	2	2
		Commercial	0	13	15	18	21	22
		Manufacturing	40	46	47	50	54	54
		Dairying	495	516	515	512	511	508
		Sheep and Beef	1333	1313	1254	1230	1216	1216
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	62	66	65	65	62	62
		Indigenous	1172	1166	1166	1166	1166	1165
527912	Te Kowhai	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	621	700	737	762	776	776
		Resid. - Low Dens	19	20	21	22	22	22
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	1763	1743	1727	1715	1708	1710
		Sheep and Beef	823	763	743	728	723	722
		other Agriculture	16	16	16	16	16	16
		Cropping	16	15	13	12	10	9
		Forestry	4	5	4	4	4	4
		Indigenous	104	103	103	103	103	103
527913	Whatawhata	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	1103	1275	1408	1442	1462	1461
		Resid. - Low Dens	10	13	16	19	19	19
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	2	4	6	7	13
		Manufacturing	1	2	3	5	5	6
		Dairying	2665	2671	2644	2637	2635	2633
		Sheep and Beef	1561	1424	1315	1282	1262	1259
		other Agriculture	45	45	45	45	45	45
		Cropping	14	15	15	15	15	15
		Forestry	36	25	24	23	22	22
		Indigenous	0	0	0	0	0	0
527916	Horotiu	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	128	178	275	337	347	344

Resid. - Low Dens	14	16	16	16	16	16
Resid. - Med-High Dens	0	0	0	0	0	0
Commercial	1	1	1	1	1	1
Manufacturing	39	70	105	139	155	171
Dairying	744	688	581	492	446	421
Sheep and Beef	395	365	328	316	316	314
other Agriculture	0	0	0	0	0	0
Cropping	0	0	0	0	0	0
Forestry	1	1	1	1	1	1
Indigenous	45	45	45	45	45	45

528200	Ngaruawahia	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	88	88	95	96	95	95
		Resid. - Low Dens	179	199	209	212	213	213
		Resid. - Med-High Dens	1	1	1	1	1	1
		Commercial	3	3	3	5	6	6
		Manufacturing	23	26	26	26	26	26
		Dairying	30	27	25	23	23	23
		Sheep and Beef	126	109	93	89	88	88
		other Agriculture	11	11	11	11	11	11
		Cropping	0	0	0	0	0	0
		Forestry	3	3	3	3	3	3
		Indigenous	52	52	52	52	52	52

Hamilton CC

AU2013	AU2013_NAM	Land use type	2013	2021	2031	2041	2051	2061
527005	Sylvester ⁴	Resid. - Lifestyle	251	228	144	0	0	0
		Resid. - Low Dens	65	196	235	268	410	470
		Resid. - Med-High Dens	0	0	1	5	6	27
		Commercial	0	9	13	15	15	15
		Manufacturing	0	0	0	0	0	0
		Dairying	545	535	560	695	569	494
		Sheep and Beef	155	64	60	63	46	38
		other Agriculture	0	0	0	0	0	0
		Cropping	0	2	11	1	1	1
		Forestry	0	0	0	0	0	0
		Indigenous	6	6	5	5	5	5

527006	Flagstaff	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	142	156	156	156	156	156
		Resid. - Med-High Dens	3	3	3	3	3	3
		Commercial	2	2	2	2	2	2
		Manufacturing	0	0	0	0	0	0
		Dairying	0	0	0	0	0	0
		Sheep and Beef	3	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	0	0	0	0	0	0

527007	Horsham Downs	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	84	75	58	1	1	1
		Resid. - Low Dens	132	215	244	298	298	298

Resid. - Med-High Dens	0	4	29	30	30	31
Commercial	0	0	14	14	14	15
Manufacturing	0	0	0	0	0	0
Dairying	140	75	3	2	2	0
Sheep and Beef	13	2	0	0	0	0
other Agriculture	0	0	0	0	0	0
Cropping	0	0	0	0	0	0
Forestry	0	0	0	0	0	0
Indigenous	0	0	0	0	0	0

527008	Rototuna	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	103	103	103	103	103	103
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	2	2	2	2	2	2
		Manufacturing	0	0	0	0	0	0
		Dairying	0	0	0	0	0	0
		Sheep and Beef	0	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	1	1	1	1	1	1

527009	Huntington ⁴	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	76	67	34	0	0	0
		Resid. - Low Dens	236	272	279	343	369	364
		Resid. - Med-High Dens	0	0	0	35	108	136
		Commercial	8	16	16	16	17	17
		Manufacturing	1	1	1	1	1	1
		Dairying	158	153	179	121	22	5
		Sheep and Beef	24	14	14	7	7	1
		other Agriculture	0	0	0	0	0	0
		Cropping	7	0	1	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	33	25	25	25	24	24

527124	Newstead	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	77	51	11	1	1	1
		Resid. - Low Dens	6	37	48	73	90	95
		Resid. - Med-High Dens	0	13	42	45	45	45
		Commercial	22	27	53	76	87	93
		Manufacturing	2	10	33	87	137	172
		Dairying	617	528	456	360	286	246
		Sheep and Beef	63	58	59	54	47	41
		other Agriculture	0	0	0	0	0	0
		Cropping	0	4	22	30	30	30
		Forestry	0	0	0	0	0	0
		Indigenous	17	17	16	15	15	15

527810	Peacocke	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	201	185	126	2	2	2
		Resid. - Low Dens	14	104	534	687	691	691
		Resid. - Med-High Dens	3	3	4	5	5	5
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	243	230	43	10	6	6

Sheep and Beef	214	158	3	2	1	1
other Agriculture	0	1	0	0	0	0
Cropping	24	24	1	1	1	1
Forestry	1	2	0	0	0	0
Indigenous	19	15	13	13	13	13

527820	Temple View	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	60	45	23	4	4	4
		Resid. - Low Dens	27	34	55	157	251	268
		Resid. - Med-High Dens	0	0	0	0	0	1
		Commercial	0	0	1	1	1	1
		Manufacturing	0	0	0	0	0	0
		Dairying	153	155	141	80	49	44
		Sheep and Beef	147	151	158	125	71	61
		other Agriculture	0	0	0	0	0	0
		Cropping	0	3	11	20	11	8
		Forestry	0	0	0	0	0	0
		Indigenous	1	1	1	1	1	1

527917	Te Rapa North	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	64	50	11	0	0	0
		Resid. - Low Dens	0	0	7	17	18	18
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	19	20	31	55	81	97
		Dairying	185	201	220	204	179	163
		Sheep and Beef	27	28	24	17	16	16
		other Agriculture	2	2	2	2	0	0
		Cropping	0	1	7	9	9	9
		Forestry	9	9	9	9	9	9
		Indigenous	1	1	1	1	1	1

528310	Bryant	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	191	193	193	193	193	193
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	5	5	5	5	5	5
		Dairying	0	0	0	0	0	0
		Sheep and Beef	0	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	3	3	3	3	3	3

528320	Pukete	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	80	81	81	81	81	81
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	0	0	0	0	0	0
		Sheep and Beef	0	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0

	Forestry	0	0	0	0	0	0	
	Indigenous	0	0	0	0	0	0	
528402	Pukete West	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	2	2	2	0	0	0
		Resid. - Low Dens	60	61	61	63	63	63
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	1	1	1	1	1	1
		Dairying	1	0	0	0	0	0
		Sheep and Beef	0	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	0	0	0	0	0	0
528403	Te Rapa	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	3	2	1	0	0	0
		Resid. - Low Dens	12	14	14	14	14	14
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	67	68	68	68	68	68
		Manufacturing	281	297	298	298	298	298
		Dairying	11	0	0	1	1	1
		Sheep and Beef	40	33	25	6	1	1
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	3	2	2	2	2	2
		Indigenous	0	0	0	0	0	0
528405	Burbush	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	77	55	27	3	3	3
		Resid. - Low Dens	0	3	134	276	300	302
		Resid. - Med-High Dens	0	0	1	1	1	1
		Commercial	0	0	0	0	0	1
		Manufacturing	4	80	166	169	175	200
		Dairying	360	310	208	111	82	72
		Sheep and Beef	149	143	55	34	30	13
		other Agriculture	4	4	5	0	0	0
		Cropping	3	1	0	0	0	0
		Forestry	2	2	0	0	0	0
		Indigenous	2	2	2	2	2	2
528406	Rotokauri	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	65	44	23	2	2	2
		Resid. - Low Dens	3	91	137	150	150	150
		Resid. - Med-High Dens	0	5	8	24	26	27
		Commercial	0	12	34	44	44	51
		Manufacturing	54	59	59	60	60	62
		Dairying	92	47	20	9	9	7
		Sheep and Beef	118	71	34	24	24	21
		other Agriculture	0	0	0	0	0	0
		Cropping	15	14	13	7	5	0
		Forestry	1	0	0	0	0	0
		Indigenous	0	0	0	0	0	0
528501	Nawton	Land use type	2013	2021	2031	2041	2051	2061

Resid. - Lifestyle	0	0	0	0	0	0
Resid. - Low Dens	138	139	139	139	139	139
Resid. - Med-High Dens	0	0	0	0	0	0
Commercial	2	2	2	2	2	2
Manufacturing	1	1	1	1	1	1
Dairying	1	0	0	0	0	0
Sheep and Beef	0	0	0	0	0	0
other Agriculture	0	0	0	0	0	0
Cropping	0	0	0	0	0	0
Forestry	0	0	0	0	0	0
Indigenous	2	2	2	2	2	2

528503

Crawshaw	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	0	0	0	0	0	0
	Resid. - Low Dens	71	72	72	72	72	72
	Resid. - Med-High Dens	0	0	0	0	0	0
	Commercial	0	0	0	0	0	0
	Manufacturing	0	0	0	0	0	0
	Dairying	2	0	0	0	0	0
	Sheep and Beef	1	0	0	0	0	0
	other Agriculture	0	0	0	0	0	0
	Cropping	0	0	0	0	0	0
	Forestry	0	0	0	0	0	0
	Indigenous	0	0	0	0	0	0

528504

Grandview	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	0	0	0	0	0	0
	Resid. - Low Dens	86	86	86	86	86	86
	Resid. - Med-High Dens	0	0	0	0	0	0
	Commercial	0	0	0	0	0	0
	Manufacturing	1	1	1	1	1	1
	Dairying	0	0	0	0	0	0
	Sheep and Beef	0	0	0	0	0	0
	other Agriculture	0	0	0	0	0	0
	Cropping	0	0	0	0	0	0
	Forestry	0	0	0	0	0	0
	Indigenous	0	0	0	0	0	0

528505

Brymer	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	5	4	4	0	0	0
	Resid. - Low Dens	81	85	86	88	88	88
	Resid. - Med-High Dens	0	0	0	1	1	1
	Commercial	0	4	4	4	4	4
	Manufacturing	0	0	0	0	0	0
	Dairying	6	0	0	0	0	0
	Sheep and Beef	6	2	1	1	1	1
	other Agriculture	0	0	0	0	0	0
	Cropping	0	0	0	0	0	0
	Forestry	0	0	0	0	0	0
	Indigenous	2	2	2	2	2	2

528601

Dinsdale North	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	3	3	2	1	1	1
	Resid. - Low Dens	125	126	127	128	128	128
	Resid. - Med-High Dens	0	0	0	0	0	0

Commercial	3	3	3	3	3	3
Manufacturing	0	0	0	0	0	0
Dairying	0	0	0	0	0	0
Sheep and Beef	0	0	0	0	0	0
other Agriculture	0	0	0	0	0	0
Cropping	0	0	0	0	0	0
Forestry	0	0	0	0	0	0
Indigenous	0	0	0	0	0	0

528602	Dinsdale South	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	4	2	1	0	0	0	
	Resid. - Low Dens	121	124	126	128	128	128	
	Resid. - Med-High Dens	0	0	1	1	1	1	
	Commercial	3	3	5	5	5	5	
	Manufacturing	4	4	4	4	4	4	
	Dairying	4	3	1	1	1	1	
	Sheep and Beef	1	2	2	0	0	0	
	other Agriculture	1	1	1	1	1	1	
	Cropping	0	1	0	0	0	0	
	Forestry	0	0	0	0	0	0	
	Indigenous	0	0	0	0	0	0	

528700	Beerescourt	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	0	0	0	0	0	0	
	Resid. - Low Dens	116	118	118	118	118	118	
	Resid. - Med-High Dens	0	0	0	0	0	0	
	Commercial	0	0	0	0	0	0	
	Manufacturing	1	1	1	1	1	1	
	Dairying	0	0	0	0	0	0	
	Sheep and Beef	0	0	0	0	0	0	
	other Agriculture	0	0	0	0	0	0	
	Cropping	0	0	0	0	0	0	
	Forestry	4	0	0	0	0	0	
	Indigenous	0	0	0	0	0	0	

528800	Maeroa	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	0	0	0	0	0	0	
	Resid. - Low Dens	107	110	110	110	110	110	
	Resid. - Med-High Dens	0	0	0	0	0	0	
	Commercial	0	1	1	1	1	1	
	Manufacturing	1	1	1	1	1	1	
	Dairying	0	0	0	0	0	0	
	Sheep and Beef	0	0	0	0	0	0	
	other Agriculture	0	0	0	0	0	0	
	Cropping	0	0	0	0	0	0	
	Forestry	5	0	0	0	0	0	
	Indigenous	4	4	4	4	4	4	

528900	Frankton Junction	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	0	0	0	0	0	0	
	Resid. - Low Dens	41	42	41	39	38	37	
	Resid. - Med-High Dens	2	2	3	5	5	6	
	Commercial	18	18	18	18	18	18	
	Manufacturing	176	176	176	176	177	177	

Dairying	0	0	0	0	0	0
Sheep and Beef	1	1	1	1	1	1
other Agriculture	0	0	0	0	0	0
Cropping	0	0	0	0	0	0
Forestry	2	0	0	0	0	0
Indigenous	2	2	2	2	2	2

529000	Swarbrick	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	87	80	79	79	79	79
		Resid. - Med-High Dens	32	39	40	40	40	40
		Commercial	2	2	2	2	2	2
		Manufacturing	4	4	4	4	4	4
		Dairying	0	0	0	0	0	0
		Sheep and Beef	0	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	1	1	1	1	1	1

529100	Hamilton Lake	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	116	113	109	105	105	105
		Resid. - Med-High Dens	5	8	12	16	16	16
		Commercial	4	4	4	4	4	4
		Manufacturing	55	57	57	57	57	57
		Dairying	0	0	0	0	0	0
		Sheep and Beef	2	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	13	13	13	13	13	13

529200	Melville	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	138	139	139	139	139	139
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	4	4	4	4	4	4
		Manufacturing	5	5	5	5	5	5
		Dairying	1	1	1	1	1	2
		Sheep and Beef	0	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	5	4	4	4	4	4

529300	Glenview	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	1	1	1	1	1	1
		Resid. - Low Dens	164	176	176	176	176	175
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	2	2	2	2	2	2
		Manufacturing	0	0	0	0	0	0
		Dairying	2	2	1	1	1	2
		Sheep and Beef	1	0	0	0	0	0

other Agriculture	0	0	0	0	0	0
Cropping	0	0	0	0	0	0
Forestry	0	0	0	0	0	0
Indigenous	22					

529401

Queenwood	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	0	0	0	0	0	0
	Resid. - Low Dens	117	120	120	120	120	120
	Resid. - Med-High Dens	0	0	0	0	0	0
	Commercial	0	0	0	0	0	0
	Manufacturing	0	0	0	0	0	0
	Dairying	0	2	2	2	2	2
	Sheep and Beef	0	0	0	0	0	0
	other Agriculture	0	0	0	0	0	0
	Cropping	0	0	0	0	0	0
	Forestry	1	0	0	0	0	0
	Indigenous	12	12	12	12	12	12

529402

Chedworth	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	0	0	0	0	0	0
	Resid. - Low Dens	110	114	115	115	115	115
	Resid. - Med-High Dens	0	0	0	0	0	0
	Commercial	7	7	7	7	7	7
	Manufacturing	0	0	0	0	0	0
	Dairying	0	0	0	0	0	0
	Sheep and Beef	0	0	0	0	0	0
	other Agriculture	0	0	0	0	0	0
	Cropping	0	0	0	0	0	0
	Forestry	0	0	0	0	0	0
	Indigenous	26	21	20	20	20	20

529501

Porritt	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	0	0	0	0	0	0
	Resid. - Low Dens	60	64	64	64	64	64
	Resid. - Med-High Dens	0	0	1	1	1	1
	Commercial	1	5	5	5	5	5
	Manufacturing	0	0	0	0	0	0
	Dairying	3	1	0	0	0	0
	Sheep and Beef	3	0	0	0	0	0
	other Agriculture	0	0	0	0	0	0
	Cropping	0	0	0	0	0	0
	Forestry	0	0	0	0	0	0
	Indigenous	3	3	3	3	3	3

529502

Insoll	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	0	0	0	0	0	0
	Resid. - Low Dens	72	72	72	72	72	72
	Resid. - Med-High Dens	0	0	0	0	0	0
	Commercial	0	0	0	0	0	0
	Manufacturing	0	0	0	0	0	0
	Dairying	0	0	0	0	0	0
	Sheep and Beef	0	0	0	0	0	0
	other Agriculture	0	0	0	0	0	0
	Cropping	0	0	0	0	0	0
	Forestry	0	0	0	0	0	0
	Indigenous	0	0	0	0	0	0

529503	Fairview Downs	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	96	99	99	99	99	99
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	4	1	0	0	0	0
		Sheep and Beef	1	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	0	0	0	0	0	0

529600	Chartwell	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	90	93	93	93	93	93
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	1	1	1	1	1
		Manufacturing	0	0	0	0	0	0
		Dairying	0	0	0	0	0	0
		Sheep and Beef	2	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	13	11	11	11	11	11

529700	Hamilton Central	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	30	27	25	23	23	20
		Resid. - Med-High Dens	19	24	26	28	28	30
		Commercial	78	82	82	82	82	82
		Manufacturing	10	10	10	10	10	10
		Dairying	0	0	0	0	0	0
		Sheep and Beef	0	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	8	0	0	0	0	0
		Indigenous	1	1	1	1	1	1

529800	Clarkin	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	99	99	99	99	99	99
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	0	0	0	0	0	0
		Sheep and Beef	0	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	6	6	6	6	6	6

529900	Claudelands	Land use type	2013	2021	2031	2041	2051	2061
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Resid. - Lifestyle	0	0	0	0	0	0
Resid. - Low Dens	64	64	64	64	64	64
Resid. - Med-High Dens	6	6	6	6	6	6
Commercial	1	1	1	1	1	1
Manufacturing	1	1	1	1	1	1
Dairying	0	0	0	0	0	0
Sheep and Beef	0	0	0	0	0	0
other Agriculture	0	0	0	0	0	0
Cropping	0	0	0	0	0	0
Forestry	0	0	0	0	0	0
Indigenous	8	8	8	8	8	8

530000

Enderley	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	0	0	0	0	0	0
	Resid. - Low Dens	112	114	110	107	105	104
	Resid. - Med-High Dens	5	6	10	13	15	16
	Commercial	4	4	4	4	4	4
	Manufacturing	3	3	3	3	3	3
	Dairying	3	0	0	0	0	0
	Sheep and Beef	2	2	0	0	0	0
	other Agriculture	0	0	0	0	0	0
	Cropping	0	0	0	0	0	0
	Forestry	0	0	0	0	0	0
	Indigenous	1	0	0	0	0	0

530100

Peachgrove	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	0	0	0	0	0	0
	Resid. - Low Dens	67	68	67	66	66	65
	Resid. - Med-High Dens	13	13	14	15	15	16
	Commercial	5	5	5	5	5	5
	Manufacturing	1	4	4	4	4	4
	Dairying	3	0	0	0	0	0
	Sheep and Beef	0	0	0	0	0	0
	other Agriculture	0	0	0	0	0	0
	Cropping	0	0	0	0	0	0
	Forestry	0	0	0	0	0	0
	Indigenous	6	6	6	6	6	6

530200

Hamilton East	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	0	0	0	0	0	0
	Resid. - Low Dens	72	67	62	57	57	54
	Resid. - Med-High Dens	14	19	24	29	29	31
	Commercial	4	4	4	4	4	4
	Manufacturing	1	1	1	1	1	1
	Dairying	0	0	0	0	0	0
	Sheep and Beef	0	0	0	0	0	0
	other Agriculture	0	0	0	0	0	0
	Cropping	0	0	0	0	0	0
	Forestry	0	0	0	0	0	0
	Indigenous	2	2	2	2	2	2

530300

Naylor	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	0	0	0	0	0	0
	Resid. - Low Dens	112	108	107	107	107	107
	Resid. - Med-High Dens	13	16	17	17	17	17
	Commercial	0	0	0	0	0	0

Manufacturing	1	1	1	1	1	1
Dairying	0	0	0	0	0	0
Sheep and Beef	0	0	0	0	0	0
other Agriculture	0	0	0	0	0	0
Cropping	0	0	0	0	0	0
Forestry	0	0	0	0	0	0
Indigenous	9	9	9	9	9	9

530400	Bader	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	104	104	104	104	104	104
		Resid. - Med-High Dens	9	13	14	14	14	14
		Commercial	0	1	1	1	1	1
		Manufacturing	0	0	0	0	0	0
		Dairying	7	4	4	4	4	4
		Sheep and Beef	0	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	1	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	22	20	20	20	20	20

530500	University	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	55	51	49	49	48	48
		Resid. - Med-High Dens	32	38	40	41	42	42
		Commercial	7	7	8	7	7	7
		Manufacturing	0	0	0	0	0	0
		Dairying	3	1	1	1	1	1
		Sheep and Beef	0	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	0	0	0	0	0	0

530600	Silverdale	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	1	1	0	0	0	0
		Resid. - Low Dens	70	69	70	70	70	70
		Resid. - Med-High Dens	4	6	7	7	7	7
		Commercial	0	1	1	1	1	1
		Manufacturing	0	0	0	0	0	0
		Dairying	4	2	0	0	0	0
		Sheep and Beef	0	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	1	1	1	1
		Forestry	0	0	0	0	0	0
		Indigenous	5	5	4	4	4	4

530700	Hillcrest West	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	103	103	103	103	103	103
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	0	0	0	0	0	0
		Sheep and Beef	0	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0

Cropping	0	0	0	0	0	0
Forestry	0	0	0	0	0	0
Indigenous	0	0	0	0	0	0

530800

Riverlea	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	0	0	0	0	0	0
	Resid. - Low Dens	80	85	85	85	85	85
	Resid. - Med-High Dens	0	0	0	0	0	0
	Commercial	2	2	2	2	2	2
	Manufacturing	20	23	25	25	25	25
	Dairying	0	0	0	0	0	0
	Sheep and Beef	0	1	0	0	0	0
	other Agriculture	0	0	0	0	0	0
	Cropping	0	0	0	0	0	0
	Forestry	0	0	0	0	0	0
	Indigenous	40	34	33	33	33	33

Waipa DC

AU2013

AU2013_NAM	Land use type	2013	2021	2031	2041	2051	2061	
526603	Te Pahu	Resid. - Lifestyle	380	388	393	394	368	340
		Resid. - Low Dens	0	0	0	0	0	0
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	4965	5011	5026	5034	5057	5083
		Sheep and Beef	5718	5715	5705	5702	5703	5701
		other Agriculture	0	0	0	0	1	1
		Cropping	3	3	3	3	4	7
		Forestry	624	634	624	618	618	620
		Indigenous	4001	3953	3953	3953	3953	3952

527133

Hautapu	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	792	869	906	878	850	837
	Resid. - Low Dens	2	39	224	258	263	261
	Resid. - Med-High Dens	0	8	22	35	38	38
	Commercial	0	0	0	0	0	0
	Manufacturing	36	69	101	141	175	192
	Dairying	2860	2793	2649	2584	2576	2565
	Sheep and Beef	660	558	418	383	367	358
	other Agriculture	315	312	265	256	254	251
	Cropping	59	59	57	55	55	56
	Forestry	18	12	9	8	6	6
	Indigenous	33	33	32	31	31	31

527134

Swayne	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	2	0	0	0	0	0
	Resid. - Low Dens	62	104	107	107	107	107
	Resid. - Med-High Dens	0	0	0	0	0	0
	Commercial	0	0	0	0	0	0
	Manufacturing	0	0	0	0	0	0
	Dairying	5	2	1	1	1	1
	Sheep and Beef	17	0	0	0	0	0
	other Agriculture	22	2	0	0	0	0
	Cropping	0	0	0	0	0	0
	Forestry	0	0	0	0	0	0

Indigenous	0	0	0	0	0	0
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527501	Cambridge North	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	1	1	1	1	1	1	
	Resid. - Low Dens	114	119	119	119	119	118	
	Resid. - Med-High Dens	2	2	2	2	2	2	
	Commercial	0	0	0	0	0	0	
	Manufacturing	0	0	0	0	0	0	
	Dairying	48	48	48	48	48	48	
	Sheep and Beef	2	0	0	0	0	0	
	other Agriculture	3	1	1	1	1	1	
	Cropping	0	0	0	0	0	1	
	Forestry	0	0	0	0	0	0	
	Indigenous	0	0	0	0	0	0	

527502	Cambridge West	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	14	13	11	11	11	11	
	Resid. - Low Dens	102	106	110	110	110	110	
	Resid. - Med-High Dens	8	8	10	10	10	10	
	Commercial	0	0	0	0	0	0	
	Manufacturing	1	3	3	3	3	3	
	Dairying	50	47	47	47	47	47	
	Sheep and Beef	6	5	1	1	1	1	
	other Agriculture	0	0	0	0	0	0	
	Cropping	0	0	0	0	0	0	
	Forestry	0	0	0	0	0	0	
	Indigenous	4	0	0	0	0	0	

527503	Cambridge Central	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	16	18	20	20	20	20	
	Resid. - Low Dens	18	21	21	21	20	20	
	Resid. - Med-High Dens	7	7	7	7	7	7	
	Commercial	10	10	10	10	10	10	
	Manufacturing	27	27	27	27	27	27	
	Dairying	20	19	19	19	20	20	
	Sheep and Beef	1	1	1	1	1	1	
	other Agriculture	0	0	0	0	0	0	
	Cropping	0	0	0	0	0	0	
	Forestry	4	2	1	1	1	1	
	Indigenous	80	78	78	78	78	78	

527504	Leamington West	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	7	10	9	5	4	4	
	Resid. - Low Dens	140	151	160	168	167	165	
	Resid. - Med-High Dens	7	7	7	7	7	7	
	Commercial	3	3	3	3	3	3	
	Manufacturing	16	21	30	33	34	35	
	Dairying	93	83	74	74	75	76	
	Sheep and Beef	17	17	11	3	3	3	
	other Agriculture	1	1	0	0	0	0	
	Cropping	2	1	0	0	0	0	
	Forestry	0	0	0	0	0	0	

	Indigenous	18	18	18	18	18	18	
527505	Leamington East	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	21	23	23	23	23	23
		Resid. - Low Dens	161	163	163	163	163	163
		Resid. - Med-High Dens	4	4	4	4	4	4
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	63	60	60	60	60	61
		Sheep and Beef	0	0	0	0	0	0
		other Agriculture	2	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	6	6	6	6	6	6
527600	Ohaupo	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	40	52	58	57	57	56
		Resid. - Low Dens	13	13	15	18	17	16
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	4	4	4	5	5	5
		Manufacturing	0	1	1	1	1	1
		Dairying	112	106	100	98	99	101
		Sheep and Beef	11	4	2	2	2	2
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	2	2	2	1	1	1
527700	Kihikihi	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	39	30	28	28	29	29
		Resid. - Low Dens	96	111	114	116	116	115
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	1	1	1	1	1	1
		Manufacturing	6	7	7	8	8	8
		Dairying	33	27	25	24	24	25
		Sheep and Beef	6	2	1	1	0	0
		other Agriculture	4	4	4	4	4	4
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	3	3	3	3	3	3
527914	Ngahinapouri	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	731	792	876	906	899	880
		Resid. - Low Dens	80	81	81	81	81	81
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	6	6	6	6	6	6
		Dairying	8836	8822	8806	8792	8799	8822
		Sheep and Beef	2944	2892	2819	2790	2789	2788
		other Agriculture	319	319	319	319	319	319
		Cropping	20	20	20	21	21	21
		Forestry	45	34	31	28	28	26
		Indigenous	128	126	126	126	126	126
527915	Lake Cameron	Land use type	2013	2021	2031	2041	2051	2061

Resid. - Lifestyle	401	440	478	489	489	474
Resid. - Low Dens	14	15	17	19	16	15
Resid. - Med-High Dens	0	0	0	0	0	0
Commercial	7	7	7	7	7	7
Manufacturing	17	35	62	74	85	102
Dairying	2179	2142	2069	2041	2018	2018
Sheep and Beef	544	519	493	482	481	481
other Agriculture	118	118	118	118	119	119
Cropping	64	59	55	54	53	47
Forestry	2	2	2	2	3	4
Indigenous	31	32	32	32	32	32

527921

Te Rore	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	64	65	67	67	67	67
	Resid. - Low Dens	0	0	0	0	0	0
	Resid. - Med-High Dens	0	0	0	0	0	0
	Commercial	0	0	0	0	0	0
	Manufacturing	0	0	0	0	0	0
	Dairying	3314	3327	3326	3327	3330	3333
	Sheep and Beef	308	302	297	291	287	280
	other Agriculture	4	4	4	4	4	4
	Cropping	0	0	0	0	0	0
	Forestry	17	11	10	10	10	10
	Indigenous	64	62	62	62	62	62

527922

Pirongia	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	177	200	212	214	214	214
	Resid. - Low Dens	34	34	34	34	34	34
	Resid. - Med-High Dens	0	0	0	0	0	0
	Commercial	0	0	0	0	0	0
	Manufacturing	1	1	1	1	1	1
	Dairying	2292	2302	2315	2319	2321	2321
	Sheep and Beef	250	214	187	182	177	177
	other Agriculture	5	5	5	5	5	5
	Cropping	14	14	14	12	10	7
	Forestry	4	3	1	0	0	0
	Indigenous	46	46	46	46	46	46

527923

Pokuru	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	84	84	84	84	82	72
	Resid. - Low Dens	0	0	0	0	0	0
	Resid. - Med-High Dens	0	0	0	0	0	0
	Commercial	0	0	0	0	0	0
	Manufacturing	0	0	0	0	0	0
	Dairying	4735	4785	4817	4831	4868	4901
	Sheep and Beef	541	498	465	450	416	395
	other Agriculture	6	6	6	6	6	6
	Cropping	19	19	19	15	9	6
	Forestry	16	5	5	5	5	5
	Indigenous	241	241	241	241	241	241

527924

Lake Ngaroto	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	105	107	110	109	108	103
	Resid. - Low Dens	6	20	37	89	92	89
	Resid. - Med-High Dens	0	0	0	0	0	0
	Commercial	0	11	11	11	11	11

Manufacturing	3	19	23	25	26	31
Dairying	3262	3321	3318	3285	3284	3286
Sheep and Beef	204	168	140	114	106	97
other Agriculture	20	19	19	19	19	19
Cropping	0	0	0	0	0	0
Forestry	15	0	0	0	0	0
Indigenous	18	18	18	18	18	18

527925	Tokenui	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	36	36	36	36	36	34
		Resid. - Low Dens	2	2	2	2	2	2
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	2068	2099	2122	2138	2163	2189
		Sheep and Beef	72	59	38	33	33	32
		other Agriculture	3	3	3	3	3	3
		Cropping	131	132	131	121	100	79
		Forestry	21	11	8	6	2	0
		Indigenous	18	18	18	18	18	18

527931	Pukerimu	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	175	191	197	201	203	203
		Resid. - Low Dens	3	23	55	77	77	77
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	813	832	816	809	809	809
		Sheep and Beef	255	241	220	211	209	209
		other Agriculture	405	405	405	395	395	395
		Cropping	67	37	37	37	37	37
		Forestry	8	5	5	4	4	4
		Indigenous	113	112	112	111	111	111

527932	Kaipaki	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	354	367	387	385	374	359
		Resid. - Low Dens	2	2	2	2	2	1
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	23	23	23	23	23	23
		Manufacturing	0	0	0	0	0	0
		Dairying	3668	3677	3678	3676	3685	3686
		Sheep and Beef	787	775	755	750	746	744
		other Agriculture	122	122	122	122	122	122
		Cropping	110	112	113	114	110	109
		Forestry	5	3	2	2	3	3
		Indigenous	58	57	57	57	57	57

527934	Rotoorangi	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	425	429	432	434	413	391
		Resid. - Low Dens	2	2	2	2	2	0
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	15117	15212	15278	15336	15412	15510
		Sheep and Beef	5699	5629	5568	5518	5470	5398
		other Agriculture	385	386	386	386	386	386

Cropping	240	240	240	237	230	222
Forestry	249	226	217	208	206	210
Indigenous	779	768	768	768	768	768

527935

Te Rahu	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	272	301	320	324	321	316
	Resid. - Low Dens	7	11	12	12	12	11
	Resid. - Med-High Dens	0	0	0	0	0	0
	Commercial	0	0	0	0	0	0
	Manufacturing	1	10	20	20	20	20
	Dairying	2731	2727	2711	2704	2703	2709
	Sheep and Beef	382	340	320	313	307	301
	other Agriculture	72	72	72	72	72	72
	Cropping	8	8	8	8	8	8
	Forestry	5	1	0	0	0	0
	Indigenous	39	39	39	39	39	39

527936

Kihikihi Flat	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	163	221	267	276	274	271
	Resid. - Low Dens	17	56	68	80	83	80
	Resid. - Med-High Dens	0	0	0	0	0	0
	Commercial	0	1	1	1	1	1
	Manufacturing	3	7	8	9	9	9
	Dairying	999	983	960	959	966	982
	Sheep and Beef	438	341	306	293	287	268
	other Agriculture	36	33	33	32	32	32
	Cropping	103	104	103	95	85	75
	Forestry	3	3	2	2	2	9
	Indigenous	10	10	10	10	10	10

527937

Allen Road	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	63	66	71	71	68	65
	Resid. - Low Dens	0	1	1	1	1	1
	Resid. - Med-High Dens	0	0	0	0	0	0
	Commercial	0	0	0	0	0	0
	Manufacturing	0	0	0	0	0	0
	Dairying	894	896	892	886	892	903
	Sheep and Beef	93	75	63	57	53	46
	other Agriculture	15	15	15	15	15	15
	Cropping	76	76	76	72	58	50
	Forestry	0	0	0	0	0	0
	Indigenous	2	2	2	2	2	2

528000

Rotongata	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	86	88	90	90	89	86
	Resid. - Low Dens	1	1	1	1	1	0
	Resid. - Med-High Dens	0	0	0	0	0	0
	Commercial	0	0	0	0	0	0
	Manufacturing	0	0	0	0	0	0
	Dairying	12319	12446	12565	12656	12731	12812
	Sheep and Beef	4942	4863	4779	4708	4643	4559
	other Agriculture	108	110	110	110	110	109
	Cropping	5	5	5	5	5	5
	Forestry	842	801	764	744	733	743
	Indigenous	2577	2573	2573	2573	2573	2573

531001	Te Awamutu West		2013	2021	2031	2041	2051	2061
	Land use type							
	Resid. - Lifestyle		5	3	2	0	0	0
	Resid. - Low Dens		49	59	60	62	62	62
	Resid. - Med-High Dens		0	0	0	0	0	0
	Commercial		0	2	2	2	2	2
	Manufacturing		17	20	20	20	20	20
	Dairying		14	3	3	3	3	3
	Sheep and Beef		3	0	0	0	0	0
	other Agriculture		0	0	0	0	0	0
	Cropping		0	0	0	0	0	0
	Forestry		0	0	0	0	0	0
Indigenous		0	0	0	0	0	0	

531002	Te Awamutu Central		2013	2021	2031	2041	2051	2061
	Land use type							
	Resid. - Lifestyle		1	1	1	0	0	0
	Resid. - Low Dens		131	135	139	144	144	142
	Resid. - Med-High Dens		8	8	8	8	8	8
	Commercial		5	5	5	5	5	5
	Manufacturing		11	14	14	14	14	16
	Dairying		7	2	1	1	1	1
	Sheep and Beef		9	8	5	1	1	1
	other Agriculture		0	0	0	0	0	0
	Cropping		0	0	0	0	0	0
	Forestry		0	0	0	0	0	0
Indigenous		0	0	0	0	0	0	

531003	Te Awamutu East		2013	2021	2031	2041	2051	2061
	Land use type							
	Resid. - Lifestyle		28	27	31	31	31	31
	Resid. - Low Dens		119	141	146	146	145	143
	Resid. - Med-High Dens		1	1	1	1	1	1
	Commercial		3	4	4	5	5	5
	Manufacturing		31	50	61	63	63	63
	Dairying		93	79	69	67	70	70
	Sheep and Beef		42	21	12	12	11	11
	other Agriculture		2	2	1	0	0	0
	Cropping		0	0	0	0	0	0
	Forestry		0	0	0	0	0	1
Indigenous		0	0	0	0	0	0	

531004	Te Awamutu South		2013	2021	2031	2041	2051	2061
	Land use type							
	Resid. - Lifestyle		8	7	7	7	5	5
	Resid. - Low Dens		117	127	127	127	129	128
	Resid. - Med-High Dens		1	1	1	1	1	1
	Commercial		13	13	13	13	13	13
	Manufacturing		4	4	4	4	4	4
	Dairying		6	5	4	3	2	3
	Sheep and Beef		8	0	0	0	0	0
	other Agriculture		0	0	0	0	0	0
	Cropping		0	0	0	0	0	0
	Forestry		0	0	0	0	0	0
Indigenous		0	0	0	0	0	0	

535241	Karapiro	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	529	556	570	567	552	540
		Resid. - Low Dens	13	15	15	15	14	9
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	1	1	1	1	1	1
		Manufacturing	0	0	0	0	0	0
		Dairying	10179	10358	10411	10471	10528	10583
		Sheep and Beef	13743	13682	13637	13588	13549	13482
		other Agriculture	317	322	322	322	323	323
		Cropping	93	95	95	95	95	95
		Forestry	713	688	658	645	641	667
		Indigenous	3076	2985	2985	2985	2985	2985

TDC								
AU2013	AU2013_NAM	Land use type	2013	2021	2031	2041	2051	2061
533000	Whitianga	Resid. - Lifestyle	62	60	58	58	58	54
		Resid. - Low Dens	284	284	285	284	284	277
		Resid. - Med-High Dens	11	11	11	11	10	9
		Commercial	19	19	20	20	21	22
		Manufacturing	16	16	16	16	16	16
		Dairying	267	272	272	272	275	310
		Sheep and Beef	655	659	659	659	638	519
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	161	199	199	200	219	318
		Indigenous	787	779	779	779	779	774

533100	Coromandel	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	235	224	216	205	176	152
		Resid. - Low Dens	52	58	60	59	57	56
		Resid. - Med-High Dens	1	1	1	1	1	0
		Commercial	7	7	7	7	7	7
		Manufacturing	2	2	2	2	2	2
		Dairying	16	19	20	21	23	28
		Sheep and Beef	236	238	240	247	252	238
		other Agriculture	0	0	0	0	0	0
		Cropping	0	1	2	4	19	33
		Forestry	51	63	65	67	75	95
		Indigenous	1221	1213	1213	1213	1213	1213

533200	Te Rerenga	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	848	822	773	725	658	602
		Resid. - Low Dens	385	385	375	316	245	164
		Resid. - Med-High Dens	1	1	1	0	0	0
		Commercial	31	31	31	31	31	31
		Manufacturing	11	11	11	11	11	11
		Dairying	4909	4927	4951	4975	5034	5197
		Sheep and Beef	20053	20131	20154	20184	17585	14064
		other Agriculture	75	77	77	77	108	66
		Cropping	57	74	79	94	136	183
		Forestry	15703	16970	17001	17039	19023	22144
		Indigenous	66455	65291	65265	65262	65871	66177

533300	Whangamata	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	94	94	94	93	92	89

Resid. - Low Dens	334	334	334	331	327	324
Resid. - Med-High Dens	8	8	8	7	7	7
Commercial	7	8	8	8	8	8
Manufacturing	8	8	8	8	8	8
Dairying	4	6	6	7	7	7
Sheep and Beef	60	59	59	59	60	60
other Agriculture	0	0	0	0	0	0
Cropping	0	0	0	1	2	5
Forestry	34	36	36	38	41	44
Indigenous	37	37	37	37	37	37

533400	Tairua	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	32	32	32	32	32	32
		Resid. - Low Dens	128	124	119	112	97	79
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	1	1	1	1	1	1
		Manufacturing	5	5	5	6	6	6
		Dairying	35	37	37	38	38	40
		Sheep and Beef	48	51	51	51	53	50
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	1	3
		Forestry	9	21	25	30	42	60
		Indigenous	152	144	144	144	144	144

533501	Moanataiari	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	1	1	1	1	1	1
		Resid. - Low Dens	77	77	77	77	77	73
		Resid. - Med-High Dens	3	3	3	3	3	3
		Commercial	20	20	20	20	20	20
		Manufacturing	5	5	5	5	5	5
		Dairying	0	0	0	0	0	0
		Sheep and Beef	0	1	1	1	1	1
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	4
		Indigenous	527	527	527	527	527	527

533502	Parawai	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	100	99	100	96	95	92
		Resid. - Low Dens	157	160	160	160	160	159
		Resid. - Med-High Dens	3	3	3	3	3	2
		Commercial	8	8	8	8	8	9
		Manufacturing	16	16	16	16	16	16
		Dairying	151	151	151	156	157	159
		Sheep and Beef	90	101	99	99	99	99
		other Agriculture	0	0	0	0	0	0
		Cropping	1	1	1	1	1	5
		Forestry	1	2	2	2	2	2
		Indigenous	188	187	186	186	186	184

533602	Pauanui Beach	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	4	4	2	2	2	1
		Resid. - Low Dens	168	168	162	154	148	141
		Resid. - Med-High Dens	6	6	6	6	5	5
		Commercial	7	7	7	7	7	7

Manufacturing	4	4	4	4	4	4
Dairying	0	0	0	0	0	0
Sheep and Beef	30	34	38	40	39	34
other Agriculture	0	0	0	0	0	0
Cropping	4	7	14	22	30	35
Forestry	6	12	15	18	24	39
Indigenous	153	152	152	152	152	152

533603	Hikuai	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	801	790	774	734	696	628
		Resid. - Low Dens	88	88	87	85	71	66
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	6	6	6	6	6	6
		Manufacturing	56	57	57	58	58	59
		Dairying	7796	7808	7812	7835	7851	7880
		Sheep and Beef	6330	6415	6422	6430	6437	6420
		other Agriculture	8	10	10	13	13	11
		Cropping	0	0	1	8	22	63
		Forestry	14325	14652	14675	14678	14691	14716
		Indigenous	67605	67310	67287	67281	67280	67277

533604	Te Puru- Thornton Bay	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	21	20	20	20	19	19
		Resid. - Low Dens	38	39	38	37	36	35
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	2	2	2	2	2	2
		Manufacturing	0	0	0	0	0	0
		Dairying	2	2	2	2	2	3
		Sheep and Beef	167	169	170	171	171	171
		other Agriculture	0	0	0	0	1	1
		Cropping	0	0	0	0	1	1
		Forestry	1	1	1	1	1	1
		Indigenous	1951	1951	1951	1951	1951	1951

		Hauraki DC						
AU2013	AU2013_NAM	Land use type	2013	2021	2031	2041	2051	2061
521136	Kaiaua	Resid. - Lifestyle	142	142	141	140	139	137
		Resid. - Low Dens	38	38	38	38	36	28
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	1	2	2	3	10	13
		Manufacturing	0	0	0	1	1	1
		Dairying	1736	1735	1735	1734	1732	1733
		Sheep and Beef	3603	3605	3604	3604	3599	3596
		other Agriculture	9	9	9	9	9	9
		Cropping	0	0	0	0	0	1
		Forestry	267	400	400	400	402	408
		Indigenous	2124	1994	1994	1994	1994	1995

533800	Ngatea	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	7	7	7	7	7	6
		Resid. - Low Dens	54	52	52	39	16	0
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	7	7	7	7	8	8
		Manufacturing	7	7	7	8	8	8
		Dairying	42	44	45	55	77	95

Sheep and Beef	12	12	12	12	13	12
other Agriculture	0	0	0	0	0	0
Cropping	0	0	0	0	0	0
Forestry	0	0	0	0	0	0
Indigenous	0	0	0	0	0	0

533901	Hauraki Plains	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	502	478	441	400	354	301
		Resid. - Low Dens	8	6	5	1	0	0
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	7	7	7	7	7	7
		Manufacturing	6	6	6	7	7	7
		Dairying	29927	30013	30053	30098	30148	30206
		Sheep and Beef	8144	8231	8233	8237	8238	8236
		other Agriculture	34	33	33	31	31	23
		Cropping	44	43	43	43	42	43
		Forestry	1535	1704	1699	1696	1693	1694
		Indigenous	8312	8141	8141	8141	8141	8141

533902	Turua	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	368	338	313	268	199	130
		Resid. - Low Dens	20	12	8	0	0	0
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	1	1	1	1	1	1
		Dairying	7296	7330	7357	7406	7465	7539
		Sheep and Beef	733	739	741	744	747	747
		other Agriculture	17	16	14	13	13	4
		Cropping	0	0	1	2	4	7
		Forestry	1	0	0	0	2	2
		Indigenous	27	27	27	27	27	27

533903	Kerepehi	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	33	32	32	29	22	20
		Resid. - Low Dens	21	21	21	19	15	12
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	17	19	19	19	19	19
		Dairying	651	652	652	657	667	672
		Sheep and Beef	37	35	35	35	35	35
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	1	1	1	1	1	1

534200	Ohinemuri	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	856	857	855	852	847	837
		Resid. - Low Dens	86	86	87	86	80	70
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	15903	15867	15860	15854	15852	15863
		Sheep and Beef	10079	10145	10140	10137	10135	10126
		other Agriculture	0	0	0	0	0	0
		Cropping	1	3	3	3	3	5
		Forestry	2651	2721	2698	2691	2691	2701

		Indigenous	25322	25234	25234	25234	25234	25234
534300	Paeroa	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	83	80	78	77	76	74
		Resid. - Low Dens	185	187	187	187	183	178
		Resid. - Med-High Dens	1	1	1	1	1	0
		Commercial	11	11	11	11	11	11
		Manufacturing	35	36	38	44	48	51
		Dairying	434	431	435	434	436	442
		Sheep and Beef	348	335	327	320	318	317
		other Agriculture	6	5	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	7	7	7	7	8	8
		Indigenous	5	5	5	5	5	5
534400	Waihi	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	166	165	166	166	166	166
		Resid. - Low Dens	237	240	240	240	240	238
		Resid. - Med-High Dens	2	2	2	2	2	2
		Commercial	13	14	14	14	14	14
		Manufacturing	26	27	29	30	30	30
		Dairying	104	105	105	104	104	105
		Sheep and Beef	123	125	122	122	121	121
		other Agriculture	1	1	1	1	1	1
		Cropping	1	3	3	3	3	4
		Forestry	16	17	17	17	17	17
		Indigenous	52	52	52	52	52	52
		MPDC						
AU2013	AU2013_NAM	Land use type	2013	2021	2031	2041	2051	2061
534500	Tahuroa	Resid. - Lifestyle	518	516	514	504	492	479
		Resid. - Low Dens	10	9	14	17	15	14
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	14	19	24	26	27	27
		Dairying	22822	22888	22893	22905	22923	22944
		Sheep and Beef	6014	6004	5994	5992	5989	5985
		other Agriculture	202	196	195	192	191	190
		Cropping	131	128	128	128	128	128
		Forestry	170	158	154	151	150	148
		Indigenous	2043	2006	2006	2006	2006	2006
534602	Waitoa	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	14	14	14	14	14	14
		Resid. - Low Dens	16	16	16	16	15	15
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	8	9	10	11	14	15
		Dairying	527	529	528	526	524	523
		Sheep and Beef	3	3	3	3	3	3
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	2	0	0	0	0	0
		Indigenous	6	6	6	6	6	6

534603	Springdale	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	282	283	283	279	267	258
		Resid. - Low Dens	6	6	6	6	3	2
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	1	1	1	1	1	1
		Manufacturing	9	13	17	23	24	26
		Dairying	28059	28116	28138	28149	28169	28202
		Sheep and Beef	5343	5345	5340	5337	5334	5329
		other Agriculture	448	398	381	372	372	354
		Cropping	25	24	23	22	23	22
		Forestry	334	399	396	396	393	392
		Indigenous	8274	8199	8199	8199	8199	8199

534604	Waihou- Walton	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	465	462	458	448	430	409
		Resid. - Low Dens	18	18	18	18	15	14
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	2	2	2	2	2	2
		Manufacturing	12	22	27	29	29	29
		Dairying	38528	38689	38753	38824	38875	38934
		Sheep and Beef	2497	2470	2456	2441	2433	2421
		other Agriculture	411	344	300	261	240	221
		Cropping	272	270	269	265	265	260
		Forestry	859	809	803	797	795	794
		Indigenous	8036	8033	8033	8033	8033	8033

534800	Te Aroha	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	117	124	125	124	122	122
		Resid. - Low Dens	178	185	193	195	189	181
		Resid. - Med-High Dens	1	1	2	2	1	1
		Commercial	2	3	4	5	7	7
		Manufacturing	10	12	12	12	12	12
		Dairying	153	154	152	151	153	160
		Sheep and Beef	141	128	122	122	123	123
		other Agriculture	5	4	4	2	2	2
		Cropping	0	0	0	0	3	4
		Forestry	7	5	3	3	3	4
		Indigenous	391	391	391	391	391	391

534901	Morrinsville West	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	45	38	34	34	34	34
		Resid. - Low Dens	92	95	100	100	99	99
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	6	8	8	8	8	8
		Manufacturing	33	48	62	75	75	75
		Dairying	75	76	67	66	66	66
		Sheep and Beef	23	16	14	13	13	13
		other Agriculture	15	15	11	0	0	0
		Cropping	3	2	1	0	1	1
		Forestry	0	0	0	0	0	0
		Indigenous	14	13	13	13	13	13

534902	Morrinsville East	Land use type	2013	2021	2031	2041	2051	2061

Resid. - Lifestyle	43	37	35	34	34	33
Resid. - Low Dens	198	207	217	220	220	220
Resid. - Med-High Dens	1	1	1	1	1	1
Commercial	9	11	13	13	13	13
Manufacturing	14	16	16	16	16	16
Dairying	56	50	41	38	38	38
Sheep and Beef	5	4	4	4	4	4
other Agriculture	0	0	0	0	0	0
Cropping	0	1	0	0	0	1
Forestry	0	0	0	0	0	0
Indigenous	23	22	22	22	22	22

535000	Waharoa	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	2	2	2	2	2	2
		Resid. - Low Dens	13	13	13	13	13	11
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	3	3	3	3	3	3
		Dairying	10	10	10	10	10	12
		Sheep and Beef	3	3	3	3	3	3
		other Agriculture	0	0	0	0	0	0
		Cropping	2	3	3	3	3	3
		Forestry	0	0	0	0	0	0
		Indigenous	0	0	0	0	0	0

535220	Okauia	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	346	349	350	350	346	343
		Resid. - Low Dens	8	8	8	9	8	8
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	3	3	3	3	3	4
		Manufacturing	14	25	36	38	38	38
		Dairying	14105	14307	14459	14578	14652	14729
		Sheep and Beef	2016	1945	1875	1816	1781	1744
		other Agriculture	685	594	507	446	411	372
		Cropping	411	407	408	408	408	408
		Forestry	109	59	50	47	46	48
		Indigenous	2971	2976	2976	2976	2976	2976

535231	Te Poi	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	85	85	85	85	85	85
		Resid. - Low Dens	4	4	4	4	4	3
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	4	5	5	5	5	5
		Dairying	7808	7867	7909	7942	7959	7968
		Sheep and Beef	1250	1229	1212	1195	1188	1182
		other Agriculture	59	30	14	7	0	0
		Cropping	69	67	67	67	67	67
		Forestry	95	84	76	67	64	63
		Indigenous	3355	3357	3357	3357	3357	3357

535242	Hinuera	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	131	131	131	131	128	124
		Resid. - Low Dens	1	1	1	1	1	1
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	1	1	1	1	1	1

Manufacturing	25	25	25	25	25	25
Dairying	6644	6743	6804	6874	6934	6995
Sheep and Beef	3544	3475	3426	3371	3323	3261
other Agriculture	478	463	441	427	416	404
Cropping	259	267	278	280	285	296
Forestry	107	87	84	81	77	84
Indigenous	140	138	138	138	138	138

535501	Matamata North		Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	6	5	5	5	5	5	5	
	Resid. - Low Dens	117	118	119	120	119	119	119	
	Resid. - Med-High Dens	6	6	6	6	6	6	6	
	Commercial	7	8	8	8	9	9	9	
	Manufacturing	34	35	35	35	35	35	35	
	Dairying	5	3	3	3	2	2	2	
	Sheep and Beef	3	0	0	0	0	0	0	
	other Agriculture	5	5	3	2	2	2	2	
	Cropping	0	0	0	0	0	0	0	
	Forestry	0	0	0	0	0	0	0	
	Indigenous	0	0	0	0	0	0	0	

535502	Matamata South		Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	25	22	23	24	24	24	24	
	Resid. - Low Dens	180	186	198	204	203	200	200	
	Resid. - Med-High Dens	0	0	0	0	0	0	0	
	Commercial	2	2	3	3	4	6	6	
	Manufacturing	7	8	8	8	8	8	8	
	Dairying	57	63	56	54	52	51	51	
	Sheep and Beef	19	16	12	10	10	10	10	
	other Agriculture	33	32	28	26	26	26	26	
	Cropping	4	4	4	3	3	3	3	
	Forestry	0	0	0	0	0	0	2	
	Indigenous	0	0	0	0	0	0	0	

South Waikato DC

AU2013	AU2013_NAM	Land use type	2013	2021	2031	2041	2051	2061
535100	Tirau	Resid. - Lifestyle	14	14	14	14	14	14
		Resid. - Low Dens	37	35	34	34	33	29
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	2	2	2	2	2	2
		Manufacturing	6	6	6	6	6	6
		Dairying	3	5	6	6	7	9
		Sheep and Beef	6	6	6	6	6	6
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	2
		Indigenous	0	0	0	0	0	0

535211	Mangakaretu		Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	59	59	58	55	53	49		
	Resid. - Low Dens	1	1	1	1	0	0		
	Resid. - Med-High Dens	0	0	0	0	0	0		
	Commercial	1	1	1	1	1	1		

Manufacturing	0	0	0	0	0	0
Dairying	883	888	897	906	913	918
Sheep and Beef	69	65	59	53	50	49
other Agriculture	1	1	1	1	1	1
Cropping	0	0	0	0	0	0
Forestry	4	3	3	2	0	0
Indigenous	0	0	0	0	0	0

535212	Kinleith	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	79	79	79	79	78	75
		Resid. - Low Dens	3	2	2	1	0	0
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	255	255	255	256	256	256
		Dairying	1128	1134	1138	1142	1145	1149
		Sheep and Beef	169	165	163	161	161	161
		other Agriculture	13	13	11	8	8	8
		Cropping	0	0	0	0	0	0
		Forestry	177	177	177	177	176	175
		Indigenous	0	0	0	0	0	0

535232	Tapapa	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	183	180	172	162	143	129
		Resid. - Low Dens	2	2	2	1	0	0
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	1	1	1	1	1	1
		Manufacturing	0	0	0	0	0	0
		Dairying	10784	10876	10925	10965	11007	11061
		Sheep and Beef	4618	4587	4565	4547	4537	4510
		other Agriculture	67	60	57	56	56	56
		Cropping	141	141	141	138	131	116
		Forestry	9403	9401	9385	9379	9373	9375
		Indigenous	11378	11342	11342	11342	11342	11342

535250	Arapuni	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	348	329	305	282	261	234
		Resid. - Low Dens	25	19	11	7	1	1
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	12	12	12	12	12	12
		Dairying	23396	23800	24074	24307	24519	24711
		Sheep and Beef	5073	4895	4726	4543	4374	4229
		other Agriculture	14	12	9	8	6	4
		Cropping	18	18	18	18	18	18
		Forestry	650	487	418	395	381	364
		Indigenous	859	838	838	838	838	838

535261	Lichfield	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	217	213	208	198	188	178
		Resid. - Low Dens	0	0	0	0	0	0
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	18	18	18	18	18	19
		Dairying	14162	14540	14812	15023	15226	15403
		Sheep and Beef	1447	1424	1399	1371	1357	1343
		other Agriculture	89	56	28	9	0	0

Cropping	0	0	0	0	0	0
Forestry	14602	14330	14116	13962	13792	13637
Indigenous	1930	1907	1907	1907	1907	1907

535262

Wawa	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	86	86	85	75	63	54
	Resid. - Low Dens	0	0	0	0	0	0
	Resid. - Med-High Dens	0	0	0	0	0	0
	Commercial	0	0	0	0	0	0
	Manufacturing	7	7	7	7	7	7
	Dairying	16548	16907	17075	17197	17292	17384
	Sheep and Beef	720	705	685	659	649	638
	other Agriculture	1	1	1	1	1	1
	Cropping	57	57	57	57	57	58
	Forestry	51543	51478	51333	51247	51173	51100
	Indigenous	5764	5679	5677	5677	5677	5677

535310

Paraonui	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	7	7	7	7	7	7
	Resid. - Low Dens	70	68	62	53	44	38
	Resid. - Med-High Dens	1	1	1	1	1	1
	Commercial	0	0	0	0	0	0
	Manufacturing	1	1	1	1	1	1
	Dairying	105	107	112	122	130	135
	Sheep and Beef	0	0	0	0	0	0
	other Agriculture	0	0	0	0	0	0
	Cropping	0	0	0	0	0	0
	Forestry	0	0	0	0	0	0
	Indigenous	0	0	0	0	0	0

535320

Parkdale	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	32	32	32	32	32	32
	Resid. - Low Dens	23	22	22	19	15	13
	Resid. - Med-High Dens	0	0	0	0	0	0
	Commercial	0	0	0	0	0	0
	Manufacturing	3	3	3	3	3	3
	Dairying	38	38	39	40	40	40
	Sheep and Beef	17	17	17	18	19	19
	other Agriculture	0	0	0	0	0	0
	Cropping	0	1	1	2	5	7
	Forestry	0	0	0	0	0	0
	Indigenous	0	0	0	0	0	0

535330

Matarawa	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	42	42	42	42	42	41
	Resid. - Low Dens	75	75	74	71	69	62
	Resid. - Med-High Dens	1	1	1	1	1	1
	Commercial	0	0	0	0	0	0
	Manufacturing	0	0	0	0	0	0
	Dairying	16	18	20	21	21	28
	Sheep and Beef	18	16	15	15	15	14
	other Agriculture	0	0	0	0	0	0
	Cropping	0	0	0	0	0	1
	Forestry	0	0	0	0	1	2
	Indigenous	0	0	0	0	0	0

535340	Stanley Park	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	1	1	1	1	1	1
		Resid. - Low Dens	102	101	99	98	96	95
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	3	3	3	3	3	3
		Dairying	0	1	0	0	0	1
		Sheep and Beef	0	0	1	1	1	1
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	1
		Indigenous	0	0	0	0	0	0

535350	Tokoroa Central	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	5	5	5	5	5	5
		Resid. - Low Dens	37	36	36	35	35	34
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	13	13	13	13	13	13
		Manufacturing	26	26	26	26	26	26
		Dairying	4	4	4	4	4	4
		Sheep and Beef	1	1	1	1	1	1
		other Agriculture	0	0	0	0	0	0
		Cropping	0	1	1	2	2	3
		Forestry	0	0	0	0	0	0
		Indigenous	0	0	0	0	0	0

535360	Aotea	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	118	113	112	107	101	91
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	110	116	116	120	123	130
		Sheep and Beef	2	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	1	2
		Forestry	0	0	0	0	0	0
		Indigenous	0	0	0	0	0	0

535370	Strathmore	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	98	98	98	97	95	87
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	1	1	1	1	1	1
		Dairying	17	17	17	17	18	25
		Sheep and Beef	1	1	1	1	1	1
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	1	1	2
		Indigenous	0	0	0	0	0	0

535380	Amisfield	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	47	47	47	47	47	47
		Resid. - Low Dens	1	1	1	1	1	1

Resid. - Med-High Dens	0	0	0	0	0	0
Commercial	2	2	2	2	2	2
Manufacturing	52	53	53	53	53	53
Dairying	2	2	2	2	2	2
Sheep and Beef	6	6	6	6	6	6
other Agriculture	0	0	0	0	0	0
Cropping	0	0	0	0	0	0
Forestry	5	4	4	4	4	4
Indigenous	0	0	0	0	0	0

535600	Putaruru	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	38	38	38	38	38	38
		Resid. - Low Dens	181	179	173	165	154	150
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	9	9	9	9	9	9
		Manufacturing	31	31	31	31	32	32
		Dairying	58	71	76	81	88	93
		Sheep and Beef	32	35	36	37	37	37
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	2	2	2	2	2
		Indigenous	0	0	0	0	0	0

Otorohanga
DC

AU2013	AU2013_NAM	Land use type	2013	2021	2031	2041	2051	2061
531100	Kawhia Community	Resid. - Lifestyle	3	3	3	3	3	2
		Resid. - Low Dens	45	45	46	45	42	39
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	1	1	1	1	1	1
		Manufacturing	1	1	1	1	1	1
		Dairying	0	0	0	0	0	0
		Sheep and Beef	9	12	10	10	10	10
		other Agriculture	0	0	0	0	0	0
		Cropping	0	1	0	1	3	5
		Forestry	0	0	0	0	1	3
		Indigenous	1	1	1	1	1	1

531200	Otorohanga	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	29	29	28	28	27	26
		Resid. - Low Dens	125	123	126	124	119	116
		Resid. - Med-High Dens	3	3	3	3	3	2
		Commercial	8	8	8	8	9	9
		Manufacturing	24	24	24	26	26	27
		Dairying	71	73	73	73	76	80
		Sheep and Beef	33	31	31	29	29	29
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	11	9	4	0	0	0
		Indigenous	1	0	0	0	0	0

531301	Otorohanga Rural West	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	577	563	550	530	508	476

Resid. - Low Dens	14	14	14	11	9	5
Resid. - Med-High Dens	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Manufacturing	2	2	2	2	2	2
Dairying	10008	10125	10164	10202	10246	10293
Sheep and Beef	33675	33714	33706	33699	33658	33311
other Agriculture	12	14	14	14	14	14
Cropping	0	2	3	4	5	12
Forestry	4042	4184	4168	4157	4173	4501
Indigenous	24051	23847	23844	23844	23847	23841

531303

Te Kawa	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	69	68	67	61	58	55
	Resid. - Low Dens	1	1	1	1	1	0
	Resid. - Med-High Dens	0	0	0	0	0	0
	Commercial	0	0	0	0	0	0
	Manufacturing	0	0	0	0	0	0
	Dairying	5076	5112	5126	5136	5141	5157
	Sheep and Beef	260	242	229	227	226	214
	other Agriculture	0	0	0	0	0	0
	Cropping	7	7	7	6	5	5
	Forestry	15	2	2	2	2	2
	Indigenous	2	2	2	2	2	2

531304

Otorohanga	Land use type	2013	2021	2031	2041	2051	2061
Rural East	Resid. - Lifestyle	680	659	642	614	569	522
	Resid. - Low Dens	7	7	7	6	5	5
	Resid. - Med-High Dens	0	0	0	0	0	0
	Commercial	0	0	0	0	0	0
	Manufacturing	0	0	0	0	0	0
	Dairying	44931	45111	45264	45372	45473	45591
	Sheep and Beef	32887	32880	32792	32733	32682	32507
	other Agriculture	11	14	14	14	14	14
	Cropping	77	78	77	77	74	66
	Forestry	3284	3362	3311	3285	3281	3392
	Indigenous	37686	37521	37519	37519	37522	37524

Waitomo

AU2013

AU2013_NAM	Land use type	2013	2021	2031	2041	2051	2061
531500	Piopio						
	Resid. - Lifestyle	33	33	33	32	32	32
	Resid. - Low Dens	18	16	14	12	9	6
	Resid. - Med-High Dens	0	0	0	0	0	0
	Commercial	4	4	4	4	4	4
	Manufacturing	5	5	5	5	5	6
	Dairying	39	42	42	43	44	44
	Sheep and Beef	51	51	53	54	54	54
	other Agriculture	0	0	0	0	0	0
	Cropping	0	0	0	1	2	3
	Forestry	0	0	0	0	1	2
	Indigenous	1	1	1	1	1	1

531600

Taharoa	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	12	11	9	6	4	3
	Resid. - Low Dens	14	9	9	5	1	0

Resid. - Med-High Dens	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Manufacturing	0	0	0	0	0	0
Dairying	23	203	203	205	222	268
Sheep and Beef	1208	1479	1480	1485	1410	1156
other Agriculture	0	0	0	0	10	2
Cropping	0	3	3	3	3	3
Forestry	1057	1156	1156	1156	1211	1437
Indigenous	3212	3203	3203	3203	3202	3189

531710	Mahoenui	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	37	31	31	28	25	22
		Resid. - Low Dens	22	19	15	13	12	10
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	1363	1372	1380	1384	1452	1876
		Sheep and Beef	24736	24773	24775	24777	22744	17124
		other Agriculture	0	0	0	0	71	1
		Cropping	0	16	18	18	22	25
		Forestry	2914	3026	3018	3017	4895	10224
		Indigenous	43287	43186	43186	43186	43198	43126

531720	Marokopa	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	350	322	299	278	253	223
		Resid. - Low Dens	12	1	1	0	0	0
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	29	27	27	27	27	27
		Manufacturing	5	5	5	6	6	7
		Dairying	10398	10381	10393	10403	10414	10449
		Sheep and Beef	61824	61932	61948	61957	61771	60637
		other Agriculture	130	132	132	132	136	125
		Cropping	19	32	33	37	38	39
		Forestry	4504	4707	4704	4701	4883	6007
		Indigenous	44809	44639	44637	44637	44646	44644

531731	Waipa Valley	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	250	244	235	228	217	208
		Resid. - Low Dens	3	3	3	2	2	2
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	5	5	5	5	5	5
		Manufacturing	22	22	24	24	25	25
		Dairying	6172	6165	6175	6186	6193	6199
		Sheep and Beef	28043	28077	28081	28086	28086	28080
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	1
		Forestry	3515	3682	3678	3670	3673	3681
		Indigenous	9372	9211	9209	9209	9209	9210

531800	Mokauiti	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	84	77	73	65	59	53
		Resid. - Low Dens	13	10	10	9	8	7
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	1	2	2	2	2	2
		Dairying	6167	6103	6103	6107	6109	6122

Sheep and Beef	48157	48212	48216	48222	48153	47652
other Agriculture	0	0	0	0	2	0
Cropping	0	0	0	0	0	0
Forestry	5743	5986	5989	5989	6060	6553
Indigenous	22480	22279	22276	22275	22276	22280

532000	Te Kuiti	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	85	85	84	84	84	82
		Resid. - Low Dens	186	181	176	175	170	163
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	19	19	19	19	19	20
		Manufacturing	38	39	40	41	42	43
		Dairying	10	10	9	9	10	11
		Sheep and Beef	96	106	105	104	106	106
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	2	2	3	5
		Forestry	5	5	5	5	6	9
		Indigenous	11	11	11	11	11	11

Taupo DC								
AU2013	AU2013_NAM	Land use type	2013	2021	2031	2041	2051	2061
532200	Omori	Resid. - Lifestyle	13	13	12	12	12	11
		Resid. - Low Dens	92	94	94	94	87	83
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	3	3	3	2	2	2
		Manufacturing	0	0	0	0	0	0
		Dairying	2	2	2	2	2	2
		Sheep and Beef	46	45	45	45	45	37
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	3	3
		Forestry	3	9	10	11	16	28
		Indigenous	136	137	137	137	137	137

532502	Kuratau	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	223	219	213	195	166	149
		Resid. - Low Dens	19	19	19	18	15	14
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	2879	2879	2879	2879	2879	2880
		Sheep and Beef	16746	16768	16768	16772	15616	12835
		other Agriculture	0	0	0	0	19	1
		Cropping	10	12	16	27	51	63
		Forestry	7287	7627	7638	7642	8612	11315
		Indigenous	17761	17488	17479	17479	17529	17591

540900	Mangakino	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	2	2	2	2	2	2
		Resid. - Low Dens	70	73	73	73	72	72
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	4	4	4	4	4	4
		Manufacturing	3	3	3	3	3	3
		Dairying	38	58	58	65	66	66
		Sheep and Beef	100	96	94	87	86	86
		other Agriculture	1	1	1	1	1	1

Cropping	0	2	2	2	2	2
Forestry	0	6	6	6	6	6
Indigenous	11	11	11	11	11	11

541000

Turangi	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	4	3	3	3	1	1
	Resid. - Low Dens	194	196	198	194	168	125
	Resid. - Med-High Dens	4	5	5	4	2	2
	Commercial	23	23	23	23	24	24
	Manufacturing	43	43	43	43	44	45
	Dairying	0	0	0	0	0	0
	Sheep and Beef	56	62	61	62	54	40
	other Agriculture	1	1	1	1	2	1
	Cropping	0	1	1	1	1	2
	Forestry	44	127	126	129	163	219
	Indigenous	274	270	270	270	270	267

541311

Acacia Bay	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	233	232	232	232	229	227
	Resid. - Low Dens	66	68	68	68	68	68
	Resid. - Med-High Dens	0	0	0	0	0	0
	Commercial	1	1	1	1	1	1
	Manufacturing	0	0	0	0	0	0
	Dairying	0	0	0	0	0	0
	Sheep and Beef	246	251	251	251	251	251
	other Agriculture	0	0	0	0	0	0
	Cropping	0	0	0	0	0	0
	Forestry	24	34	34	34	36	40
Indigenous	97	96	96	96	96	96	

541312

Wairakei- Aratiatia	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	49	51	51	51	51	51
	Resid. - Low Dens	16	17	18	18	18	18
	Resid. - Med-High Dens	0	0	0	0	0	0
	Commercial	4	4	4	4	4	4
	Manufacturing	96	96	96	96	96	96
	Dairying	650	636	604	581	573	571
	Sheep and Beef	2912	2919	2919	2919	2919	2919
	other Agriculture	0	0	0	0	0	0
	Cropping	317	316	316	316	316	316
	Forestry	1498	1528	1526	1526	1526	1526
	Indigenous	497	474	474	474	474	474

541313

Maunganamu	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	140	141	141	141	139	138
	Resid. - Low Dens	8	12	16	16	16	16
	Resid. - Med-High Dens	0	0	0	0	0	0
	Commercial	0	0	0	0	0	0
	Manufacturing	1	1	1	1	1	2
	Dairying	218	218	218	218	218	218
	Sheep and Beef	1096	1101	1099	1099	1099	1099
	other Agriculture	0	0	0	0	0	0
	Cropping	0	0	0	0	0	0
	Forestry	264	279	277	277	279	280
Indigenous	76	75	75	75	75	75	

541315	Taupo East	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	5	5	5	5	5	5
		Resid. - Low Dens	1	1	1	1	1	1
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	17	17	17	17	17	17
		Dairying	8	8	8	8	8	8
		Sheep and Beef	436	439	439	439	439	439
		other Agriculture	5	5	5	5	5	5
		Cropping	0	0	0	0	0	0
		Forestry	66	66	65	65	65	65
		Indigenous	27	27	27	27	27	27
541316	Wharewaka	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	37	39	43	43	43	43
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	77	77	77	77	77	77
		Sheep and Beef	134	133	130	130	130	130
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	15	21	21	21	21	21
		Indigenous	0	0	0	0	0	0
541317	Rangatira Park	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	28	28	28	28	28	28
		Resid. - Low Dens	39	43	43	43	43	43
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	8	8	8	8	8	8
		Dairying	9	9	9	9	9	9
		Sheep and Beef	2	18	18	18	18	18
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	58	57	57	57	57	57
541318	Rangatira	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	13	13	13	13	13	13
		Resid. - Low Dens	2	2	3	3	3	3
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	4	4	4	4	4	4
		Sheep and Beef	310	311	309	309	309	309
		other Agriculture	0	0	0	0	0	0
		Cropping	1	1	1	1	1	1
		Forestry	35	35	35	35	35	35
		Indigenous	4	4	4	4	4	4
541319	Lakewood	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	2	2	2	2	2	2

Resid. - Low Dens	63	73	81	81	81	82
Resid. - Med-High Dens	0	0	0	0	0	0
Commercial	1	1	1	1	1	0
Manufacturing	0	0	0	0	0	0
Dairying	19	18	18	18	18	18
Sheep and Beef	83	89	88	88	88	88
other Agriculture	0	0	0	0	0	0
Cropping	0	1	1	1	1	1
Forestry	38	62	54	54	54	54
Indigenous	13	13	13	13	13	13

541320	Marotiri	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	420	419	417	410	386	352
		Resid. - Low Dens	11	11	11	11	11	11
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	1	1	1	1	1	1
		Manufacturing	0	0	0	0	0	0
		Dairying	26066	26115	26175	26202	26214	26232
		Sheep and Beef	23175	23176	23166	23160	23142	23060
		other Agriculture	69	61	61	61	62	53
		Cropping	0	0	0	0	0	4
		Forestry	12411	12780	12732	12708	12713	12786
		Indigenous	37531	37157	37154	37154	37154	37168

541333	Kinloch	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	6	6	6	6	6	5
		Resid. - Low Dens	84	94	97	97	97	88
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	1	1	1	1	1	1
		Manufacturing	0	0	0	0	0	0
		Dairying	2	2	2	2	2	2
		Sheep and Beef	296	298	298	298	298	298
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	18	28	25	25	25	33
		Indigenous	76	76	76	76	76	76

541334	Tatua	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	119	119	119	119	118	115
		Resid. - Low Dens	10	10	10	10	10	9
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	5829	5854	5873	5898	5918	5932
		Sheep and Beef	1287	1289	1288	1288	1288	1286
		other Agriculture	18	18	18	18	18	18
		Cropping	0	0	0	0	0	2
		Forestry	13765	13775	13757	13732	13713	13705
		Indigenous	1055	1035	1035	1035	1035	1034

541335	Oruanui	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	2114	2106	2098	2078	2042	1980
		Resid. - Low Dens	7	7	7	7	5	3
		Resid. - Med-High Dens	0	0	1	1	1	0
		Commercial	2	2	2	2	2	2
		Manufacturing	0	0	0	0	0	0

Dairying	12675	12660	12702	12728	12759	12788
Sheep and Beef	16016	16025	16022	16028	16033	16033
other Agriculture	99	104	104	107	109	109
Cropping	0	1	1	1	1	5
Forestry	9006	9160	9128	9113	9113	9144
Indigenous	4152	4081	4081	4081	4081	4080

541344	Broadlands	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	402	402	402	398	388	362
		Resid. - Low Dens	11	11	12	12	11	11
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	7	7	7	7	7	7
		Dairying	11822	11644	11630	11627	11628	11639
		Sheep and Beef	4528	4541	4540	4541	4542	4539
		other Agriculture	79	89	89	89	89	89
		Cropping	99	100	100	100	103	116
		Forestry	42904	43335	43353	43354	43353	43356
		Indigenous	3632	3344	3314	3306	3305	3304

541345	Waitahanui	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	19	19	15	11	9	5
		Resid. - Low Dens	36	38	40	37	26	16
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	1	1	1	1	1	1
		Manufacturing	0	0	0	0	0	0
		Dairying	36	36	36	36	36	36
		Sheep and Beef	115	143	143	147	149	149
		other Agriculture	0	0	1	3	5	5
		Cropping	0	0	0	1	1	4
		Forestry	678	730	731	732	739	750
		Indigenous	446	437	437	437	437	437

541346	Tongariro	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	75	73	61	47	33	21
		Resid. - Low Dens	52	52	52	51	48	47
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	32	32	32	32	32	32
		Sheep and Beef	2250	2344	2344	2346	2202	1680
		other Agriculture	0	0	0	0	1	0
		Cropping	0	1	4	10	12	20
		Forestry	24412	25940	26187	26265	26388	26778
		Indigenous	23914	22732	22494	22421	22405	22395

541347	Motuoapa	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	41	42	42	42	38	33
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	1	1	1	1	1	1
		Sheep and Beef	10	14	14	14	14	13
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0

	Forestry	5	19	19	19	22	29	
	Indigenous	218	218	218	218	218	218	
541348	Tokaanu	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	37	36	29	21	6	0
		Resid. - Low Dens	5	5	5	4	1	1
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	1	1	1	1	1	1
		Manufacturing	0	0	0	0	0	0
		Dairying	12	12	12	12	12	12
		Sheep and Beef	299	336	338	339	266	132
		other Agriculture	0	0	0	0	0	0
		Cropping	22	26	29	29	30	34
		Forestry	51	156	158	165	246	356
		Indigenous	2618	2609	2609	2609	2600	2596
541501	Rangipo	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	15	15	15	15	13	13
		Resid. - Low Dens	0	0	0	0	0	0
		Resid. - Med-High Dens	0	0	0	0	0	0
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	57	77	77	76	76	79
		Sheep and Beef	3759	3777	3777	3777	3748	3432
		other Agriculture	0	0	0	0	2	1
		Cropping	0	6	6	7	11	14
		Forestry	11859	12711	12720	12720	12739	12896
		Indigenous	74534	73963	73954	73954	73961	74114
541710	Nukuhau	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	65	68	68	68	68	68
		Resid. - Med-High Dens	2	2	2	2	2	2
		Commercial	0	0	0	0	0	0
		Manufacturing	0	0	0	0	0	0
		Dairying	0	0	0	0	0	0
		Sheep and Beef	1	1	1	1	1	1
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	1	1	1	1	1
		Indigenous	6	6	6	6	6	6
541720	Taupo Central	Land use type	2013	2021	2031	2041	2051	2061
		Resid. - Lifestyle	0	0	0	0	0	0
		Resid. - Low Dens	123	124	124	123	123	123
		Resid. - Med-High Dens	14	14	14	15	15	15
		Commercial	15	15	15	15	15	15
		Manufacturing	11	11	11	11	11	11
		Dairying	0	0	0	0	0	0
		Sheep and Beef	1	0	0	0	0	0
		other Agriculture	0	0	0	0	0	0
		Cropping	0	0	0	0	0	0
		Forestry	0	0	0	0	0	0
		Indigenous	4	4	4	4	4	4
541730	Tauhara	Land use type	2013	2021	2031	2041	2051	2061

Resid. - Lifestyle	0	2	4	4	4	4
Resid. - Low Dens	147	147	147	147	148	148
Resid. - Med-High Dens	1	1	1	1	1	1
Commercial	16	16	16	16	15	15
Manufacturing	65	65	65	65	65	65
Dairying	2	2	2	2	2	2
Sheep and Beef	38	39	39	39	39	39
other Agriculture	0	0	0	0	0	0
Cropping	0	0	0	0	0	0
Forestry	60	58	56	55	55	55
Indigenous	36	36	36	36	36	36

541740

Hilltop	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	1	1	1	1	1	1
	Resid. - Low Dens	165	169	169	169	169	169
	Resid. - Med-High Dens	4	4	4	4	4	4
	Commercial	17	17	17	17	17	17
	Manufacturing	1	1	1	1	1	1
	Dairying	2	2	2	2	2	2
	Sheep and Beef	5	7	7	7	7	7
	other Agriculture	0	0	0	0	0	0
	Cropping	1	0	0	0	0	0
	Forestry	3	2	2	2	2	2
	Indigenous	26	27	27	27	27	27

541750

Waipahihi	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	0	0	0	0	0	0
	Resid. - Low Dens	102	107	115	118	118	118
	Resid. - Med-High Dens	5	5	5	5	5	5
	Commercial	0	0	0	0	0	0
	Manufacturing	0	0	0	0	0	0
	Dairying	45	45	41	40	40	40
	Sheep and Beef	2	6	4	3	3	3
	other Agriculture	0	0	0	0	0	0
	Cropping	0	0	0	0	0	0
	Forestry	4	10	9	8	8	8
	Indigenous	49	46	45	45	45	45

541760

Richmond Heights	Land use type	2013	2021	2031	2041	2051	2061
	Resid. - Lifestyle	0	0	0	0	0	0
	Resid. - Low Dens	102	108	122	126	126	126
	Resid. - Med-High Dens	0	0	0	0	0	0
	Commercial	0	0	0	0	0	0
	Manufacturing	0	0	0	0	0	0
	Dairying	42	39	29	28	28	28
	Sheep and Beef	1	7	6	6	6	6
	other Agriculture	0	0	0	0	0	0
	Cropping	0	0	0	0	0	0
	Forestry	6	23	21	17	17	17
	Indigenous	2	1	1	1	1	1

8.4 Future residential density and proportion model

Example of key inputs and annual outputs (from Waikato District Model).

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
Summary Sheet - Setting Inputs and seeing outputs										Adjusting the number in the boxes to assess implications for Population densities and proportions									
Setting Parameters	Average New property size for Low Density residential -								In 2013:	1160	In 2035:			1000	In 2064:			870	Adjust only these Parameters
	Average New property size for M-H Dens residential								In 2013:	250	In 2035:			200	In 2064:			150	
	Average New property size for Lifestyle residential								In 2013:	15000	In 2035:			10000	In 2064:			10000	
	Percentage of population growth into LD Residential								In 2013:	60	In 2035:			68	In 2064:			74	
	Percentage of population growth into M-HD Residential								In 2013:	4	In 2035:			6	In 2064:			9	
	Percentage of population growth into Lifestyle								In 2013:	35	In 2035:			25	In 2064:			15	
	Percentage of population growth into Non-Residential								In 2013:	1	In 2035:			1	In 2064:			1	
	Make Sure these add to 100										100				100				99
Estimated Household sizes (people/household)																			
	LD Res	2.90	2.87	2.84	2.81	2.78	2.76	2.74	2.72	2.69	2.67	2.65	2.64	2.62	2.61	2.59	2.58		
	MHDens	2.19	2.17	2.14	2.12	2.10	2.08	2.06	2.05	2.03	2.02	2.00	1.99	1.98	1.97	1.96	1.95		
	Lifestyle	2.90	2.87	2.84	2.81	2.78	2.76	2.74	2.72	2.69	2.67	2.65	2.64	2.62	2.61	2.59	2.58		
Results for inclusion into WISE for Oct 2016 Projections																			
	Year	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028		
Densities	LD Res	25.00	24.76	24.52	24.25	24.01	23.82	23.65	23.48	23.31	23.16	23.04	22.93	22.83	22.73	22.65	22.59		
(people/ha)	MHD Res	111.3	109.193	106.054	103.1394	100.7269	98.74021	97.08475	95.57569	94.22051	93.0743	92.10226	91.31863	90.60431	89.99436	89.48813	89.09453		
	Lifestyle	2.1	2.137163	2.151105	2.126022	2.099192	2.076061	2.056758	2.040403	2.024117	2.008526	1.994994	1.98327	1.973811	1.964662	1.956615	1.94981		
Proportions	LD Res	0.3916	0.3948	0.3981	0.4014	0.4048	0.4082	0.4116	0.4150	0.4184	0.4218	0.4252	0.4286	0.4320	0.4353	0.4386	0.4419		
	MHD Res	0.008365	0.008862	0.009373	0.009898	0.010426	0.010966	0.011519	0.012076	0.012638	0.013202	0.013771	0.014341	0.014913	0.015484	0.016055	0.016627		
	Lifestyle	0.44705	0.445497	0.443875	0.442185	0.440456	0.438664	0.436806	0.434908	0.432972	0.431007	0.429003	0.426974	0.424914	0.422842	0.42075	0.418636		
	Non Res.	0.1530	0.1508	0.1487	0.1465	0.1443	0.1422	0.1401	0.1380	0.1360	0.1340	0.1320	0.1301	0.1282	0.1264	0.1246	0.1229		

8.5 Hamilton City Council – Analysis to Revise Residential 2013 Starting Figures

The following analysis summaries the results to define starting proportions for HCC.

Two approaches are evaluated to better understand differences in numbers used in WISE and those calculated using STATS NZ census numbers and dwelling types.

Input Data:

- HCC population in 2013 is 150,180 people.
- 2013 Household sizes – separate house 2.97, multi-unit 2.03 – based on University of Waikato projections Sept 2016
- HCC Etsm Usual resident population (less non-residential dwellings) 144896 – based on University of Waikato projections Sept 2016
- **Proportion in Non-Residential land use is estimated at 3.5%** = $(150,180 - 144896)/150,180$

Approach 1:- Residential Analysis based on Dwelling Type and Household Size figures

This analysis makes the assumption that a single dwelling type approximates Low density residential land use and Multi-unit/attached dwellings approximated med-high density residential land use. It applies the number of dwellings identified as per process in diagram below that fit in each dwelling type and multiplies them by HCC average household sizes to get population in each land use class.

Single Dwelling

LU Code	Number Dwellings	Household size	Population in this 'code'
91 - 400-2500m ²	33612	2.97	99,827
91 - <400m ² and <> '0' area	578	2.97	1,717
91 – Area = '0' – separate dwelling >400m ²	6608	2.97	19,626
91 – Area = '0' – separate dwelling <400m ²	208	2.03*	422
92 - >400m ² /unit coded but separate unit	709	2.97	2,106
92 – <400m ² /unit, coded but separate unit	365	2.03*	741
09 - <2500m ²	20	2.97	59
		TOTAL	124,498

*Make assumption that in these smaller properties household size expected to be smaller on average

Multi-unit/attached

LU Code	Number Dwellings	Household size	Population in this 'code'
91 – Area = '0' - attached	5259	2.03	10,676
92 - >400m ² /unit coded & attached	885	2.03	1,796
92 – <400m ² /unit, coded & attached	3405	2.03	6,912
		TOTAL	19,384

Lifestyle Block

LU Code	Number Dwellings	Household size	Population in this 'code'
21 - Single	114	2.97	339
22 - Multi	22	2.97	65
91 > 2500m ²	211	2.97	627
09 - >2500m ²	19	2.97	56
20 – multiple use	302	2.97	897
		TOTAL	1,984

Private Residential Totals – based on analysis

TOTALS	52,317#		145,866
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2013 University of Waikato estimated 52,284 households – so this analysis slightly over estimates.

Note: It is also noted that strictly speaking a dwelling is not equal to a household – as a dwelling can potentially have more than one household in it, and also some dwelling can be vacant and have no households. It is assumed here that in the majority of cases and on average they are equivalent.

Rescaling and converting to proportion of total HCC population

	Single Dwelling	Attached Dwelling	Lifestyle Residential
Estimated population from above	124,498	19,384	1,984
Percent of estimated	85.4%	13.3%	1.3%
Scaled population back to 144,896 Est Res total	123,741	19,271	1884
Percentage out of Total 2013 HCC population (150,180)	82.4%	12.8%	1.3%

This approach assumes the 'other' private dwellings are pro-rata between classes in re-scaling the population back to account for analysis differences.

Approach 2: - Residential Analysis based on WISE Land use classes and Household Size figures

This analysis makes the assumption that low density residential land use and med-high density residential land use, as defined by WISE, can include attached and separate dwellings. It applies the number of dwellings identified to fit within the WISE residential land use definitions, as per process in diagram below, and multiplies them by HCC average household sizes to get population in each land use class.

Low Density Residential Land Use

LU Code	Number Dwellings	Household size	Population in this 'code'
91 - 400-2500m ²	33612	2.97	99,827
91 – Area = '0' – >400m ² <2500m ²	6608	2.97	19,625
Separate dwelling	1631	2.03	3,311
Attached dwelling			
92 - >400m ² <2500m ²	709	2.97	2,106
Separate dwelling	885	2.03	1,796
Attached dwelling			
	43,445	TOTAL	126,665

*Make assumption that in these smaller properties household size expected to be smaller on average

Medium-High Density Residential Land Use

LU Code	Number Dwellings	Household size	Population in this 'code'
91 – Area = '0' <400m ²	208	2.97	618
Separate dwelling			

Attached dwelling	3628	2.03	7,365
91 - <400m ² Separate	578	2.97	1,716
92 – <400m ² Separate dwelling	365	2.97	1,084
Attached dwelling	3405	2.03	6,912
	8184	TOTAL	17,695

Lifestyle Block

LU Code	Number Dwellings	Household size	Population in this 'code'
21 - Single	114	2.97	339
22 - Multi	22	2.97	65
91 - > 2500m ²	211	2.97	627
20 – Multi Use	302	2.97	897
09 - > 2500m ²	19	2.97	56
		TOTAL	1,984

Private Residential Totals – based on analysis

TOTALS 146,344

Rescaling and converting to proportion of total HCC population

	LD Residential	MHD Residential	Lifestyle Residential
Estimated population from above	126,665	17,695	1,984
Percent of estimated	86.6%	12.0%	1.4%
Scaled population back to 138,057 census total	125,480	17,387	2029
Percentage out of Total 2013 HCC population (150,180)	83.55%	11.6%	1.35%

Area Analysis and Calculation of Residential Densities

Areas of residential land uses from different sources

	Code 91- Single Res	Code 92 – Multi Res	Codes 21, 22, & 20 Lifestyle	TOTAL
VDB Total	3192 ha	171 ha	638 ha	4001 ha

	Low Densities Res	M-H Density Res	Lifestyle	TOTAL
Analysis outcome	3007 ha	124 ha	845 ha	3976 ha
Figures currently in WISE* (March 2016)	4043 ha	95 ha	713 ha	

* These differ based on effect of 100m grid development in GIS software.

It is proposed to 'rescale' the area allocated to M-H density up from 95 ha to 160 ha to be in line with gridding effect that occurs with LD residential (~30% increase in net area) as a result of inclusion of road verge/roads into this land use type when converted from property parcels to 100x100m cells. The issue with M-H density is that it tends to be a scattering of properties within LD Residential areas and gets excessively 'reduced' during the grid creation process. The total LD Res and MHD Res area would remain the same – LD Res cells would be converted to MHD Res based on density of mutli-dwelling properties.

Recommendation for Starting Population Proportions for HCC

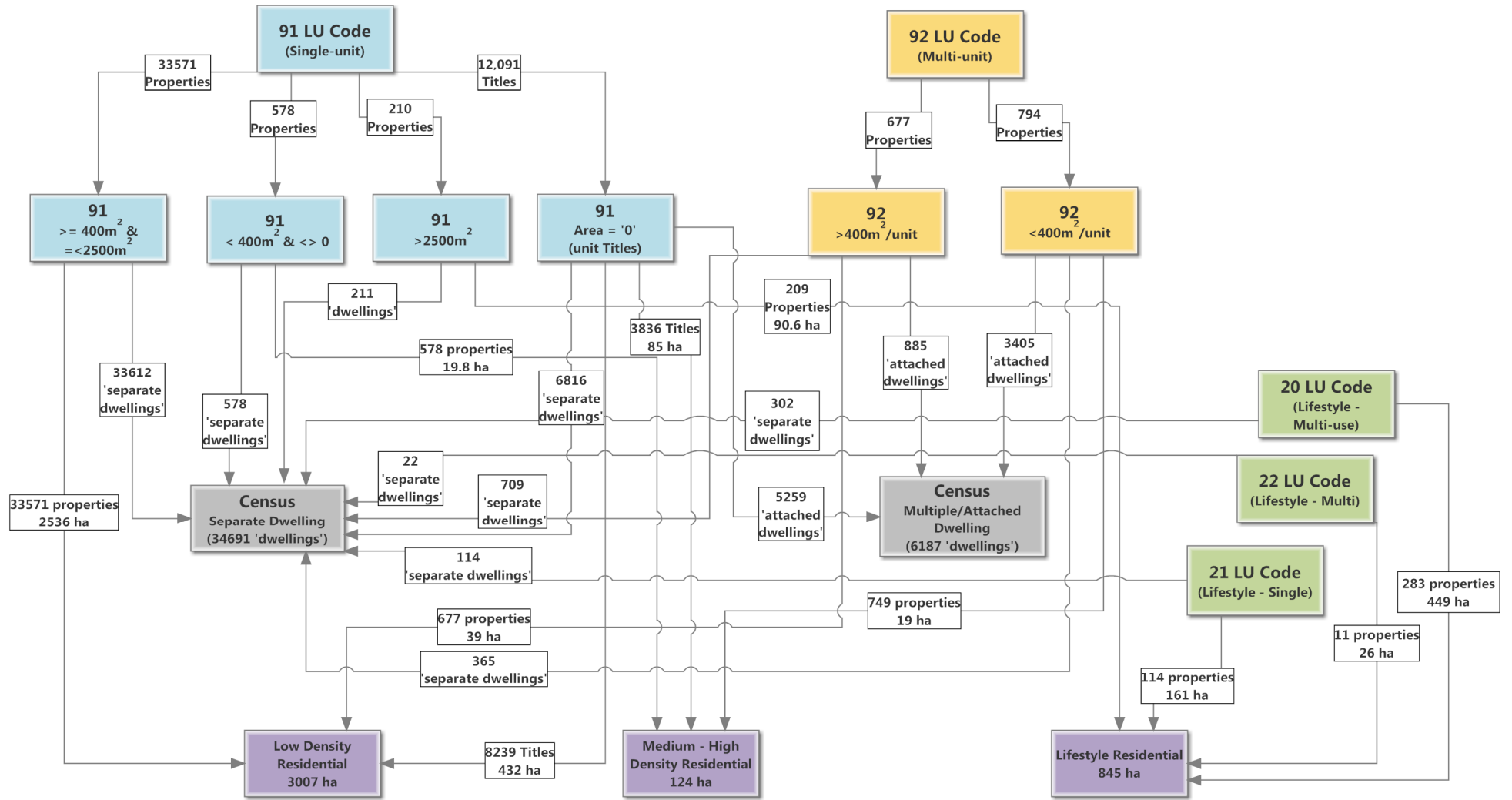
It is recommended to use the results from Approach 2 as outlined above as the analysis is in line with the definitions for the residential land use types as used in WISE and therefore consistent with the areas defined in the 2013 land use map. This analysis also fully addresses the allocation of unit title properties (Code 91 with an "area" set to 0 in VDB) to residential land use types based on WISE definitions

The proposed figures for starting values in WISE based on this analysis are:

	Proportion	Area (ha)	Population in LU	Density (people/ha)
LD Residential	0.8355	3978	125,475	31.542
MHD Residential	0.116	160	17,421	108.881
Lifestyle	0.0135	713	2027	2.8435
Non-Residential	0.035			

	LD REs	MH Dens Res		
No Properties(Dwellings)	43,445	8,184		
Area/Dwell (based on WISE area)	915	195		

Different Allocations of land uses - WISE method Vs Statistics NZ definition - Numbers for HCC



8.6 Waipa District Council – Analysis to Revise Residential 2013 Starting Figures

The following analysis summaries the results to define starting proportions for Waipa DC.

Two approaches are evaluated to better understand differences in numbers used in WISE and those calculated using STATS NZ census numbers and dwelling types.

Input Data:

- Waipa DC population in 2013 is 48647 people.
- 2013 Household sizes – separate house 2.72, multi-unit 1.65 – based on University of Waikato projections Sept 2016
- Waipa DC Etsm Usual resident population (less non-residential dwellings) 47341 – based on University of Waikato projections Sept 2016
- **Proportion in Non-Residential land use is estimated at 9.55%**

Approach 1:- Residential Analysis based on Dwelling Type and Household Size figures

This analysis makes the assumption that a single dwelling type approximates Low density residential land use and Multi-unit/attached dwellings approximated med-high density residential land use. It applies the number of dwellings identified as per process in diagram below that fit in each dwelling type and multiplies them by Waipa DC average household sizes to get population in each land use class.

Single Dwelling

LU Code	Number Dwellings	Household size	Population in this 'code'
91 - 400-2500m ²	8576	2.72	23,327
91 - <400m ² and <> '0' area	63	2.72	171
91 – Area = '0' – separate dwelling >400m ²	1099	2.72	2,989
91 – Area = '0' – separate dwelling <400m ²	354	1.65*	569
92 - >400m ² /unit coded but separate unit	254	2.72	691
92 – <400m ² /unit, coded but separate unit	100	1.65*	165
09 - <2500m ²	187	2.72	509
		TOTAL	28,421

*Make assumption that in these smaller properties household size expected to be smaller on average

Multi-unit/attached

LU Code	Number Dwellings	Household size	Population in this 'code'
91 – Area = '0' - attached	604	1.65	997
92 - >400m ² /unit coded & attached	211	1.65	348
92 – <400m ² /unit, coded & attached	156	1.65	257
		TOTAL	1,602

Lifestyle Block

LU Code	Number Dwellings	Household size	Population in this 'code'
21 - Single	1035	2.72	2,815
91 > 2500m ²	144	2.72	392
09 - >2500m ²	2389	2.72	6,498
20 – multiple use	45	2.72	394
22 - Multi	322	2.72	876
		TOTAL	10,975

Private Residential Totals – based on analysis

TOTALS	15,539#		40,998
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2013 University of Waikato estimated 18,092 households – but non-residential households (rural) is estimated 1710 – so this analysis under estimates.

Note: It is also noted that strictly speaking a dwelling is not equal to a household – as a dwelling can potentially have more than one household in it, and also some dwelling can be vacant and have no households. It is assumed here that in the majority of cases and on average they are equivalent.

Rescaling and converting to proportion of total Waipa DC population

	Single Dwelling	Attached Dwelling	Lifestyle Residential
Estimated population from above	28,421	1,602	10,975
Percent of estimated	69.4%	3.9%	26.7%
Scaled population back to 44001 Est Res total	30,537	1,716	11,748
Percentage out of Total 2013 Waipa DC population (48,647)	62.77%	3.53%	24.10%

This approach assumes the 'other' private dwellings are pro-rata between classes in re-scaling the population back to account for analysis differences.

Approach 2: - Residential Analysis based on WISE Land use classes and Household Size figures

This analysis makes the assumption that low density residential land use and med-high density residential land use, as defined by WISE, can include attached and separate

dwellings. It applies the number of dwellings identified to fit within the WISE residential land use definitions, as per process in diagram below, and multiplies them by Waipa DC average household sizes to get population in each land use class.

Low Density Residential Land Use

LU Code	Number Dwellings	Household size	Population in this 'code'
91 - 400-2500m ²	8576	2.72	23,327
91 – Area = '0' – >400m ² <2500m ²	1099	2.72	2,989
Separate dwelling	207	1.65	342
Attached dwelling			
92 - >400m ² <2500m ²			
Separate dwelling	254	2.72	691
Attached dwelling	211	1.65	348
09 <2500m ²	187	2.72	509
		TOTAL	28,206

*Make assumption that in these smaller properties household size expected to be smaller on average

Medium-High Density Residential Land Use

LU Code	Number Dwellings	Household size	Population in this 'code'
91 – Area = '0' <400m ²			
Separate dwelling	351	2.72	955
Attached dwelling	399	1.65	658
91 - <400m ² Separate	63	2.72	171
92 – <400m ²			
Separate dwelling	100	1.65	165
Attached dwelling	156	1.65	257
		TOTAL	2,206

Lifestyle Block

LU Code	Number Dwellings	Household size	Population in this 'code'
21 - Single	1035	2.72	2815
22 - Multi	322	2.72	876
91 - > 2500m ²	141	2.72	392
20 – Multi Use	145	2.72	394
09 - > 2500m ²	2389	2.72	6498
		TOTAL	10,975

Private Residential Totals – based on analysis

TOTALS			41,387
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Rescaling and converting to proportion of total WaipaDC population

	LD Residential	MHD Residential	Lifestyle Residential
Estimated population from above	28,206	2,206	10,975
Percent of estimated	68.2%	5.3%	26.5
Scaled population back to 44,001 census total	30,009	2,332	11,660

Percentage out of Total 2013 Waipa DC population (48,647)	61.69%	4.79%	23.97%
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Area Analysis and Calculation of Residential Densities

Areas of residential land uses from different sources

	Code 91- Single Res / Code 09 (<2500m ²)	Code 92 – Multi Res	Codes 21, 22, & 20 Lifestyle / Code 09 (>2500m ²)	TOTAL
VDB Total	963 ha	30 ha	6594 ha	7587 ha

	Low Densities Res	M-H Density Res	Lifestyle	TOTAL
Analysis outcome	895 ha	30 ha	6677 ha	7600 ha
Figures currently in WISE (March 2016)	1242 ha*	28 ha*	5027 ha**	

* These differ based on effect of 100m grid development in GIS software.

** This variation in analysis is due to differences in analysis methods between this approach and development of the initial 2013 land use layer where additional data (Agribase) was used and a broad delineation of VDB codes used.

It is proposed to 'rescale' the area allocated to M-H density up from 28 ha to 38 ha to be in line with gridding effect that occurs with LD residential (~30% increase in net area) as a result of inclusion of road verge/roads into this land use type when converted from property parcels to 100x100m cells. The issue with M-H density is that it tends to be a scattering of properties within LD Residential areas and gets excessively 'reduced' during the grid creation process. The total LD Res and MHD Res area would remain the same – LD Res cells would be converted to MHD Res based on density of mutli-dwelling properties.

Recommendation for Starting Population Proportions for Waipa DC

It is recommended to use the results from Approach 2 as outlined above as the analysis is in line with the definitions for the residential land use types as used in WISE and therefore consistent with the areas defined in the 2013 land use map. This analysis also fully addresses the allocation of unit title properties (Code 91 with an "area" set to 0 in VDB) to residential land use types based on WISE definitions

The proposed figures for starting values in WISE based on this analysis are:

	Proportion	Area (ha)	Population in LU	Density (people/ha)
LD Residential	0.6169	1233	30,009	24.338
MHD Residential	0.0479	38	2,332	61.368
Lifestyle	0.2397	5025	11,660	2.32
Non-Residential	0.0955			

Different Allocations of land uses - WISE method Vs Statistics NZ definition - Numbers for Waipa DC

