



Population, Dwelling and Employment Forecasts

Redland City Council

May 2016



urbis

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Appendix A Employment by Sector by SA1

Executive Summary

Redland City Council (RCC) is currently reviewing its infrastructure planning and has requested assistance in regard to forecasts for population, employment, and dwellings across the region. The RCC uses an Infrastructure Demand Model (IDM) to inform its Local Government Infrastructure Plan and has commissioned Urbis to undertake an independent review of the population, employment, and dwelling assumptions and forecasts that feed into the model.

The key outcomes of the analysis has been outlined in the following sections:

POPULATION AND DWELLING CONCLUSIONS

Given the similarities between the 2011 and 2015 Queensland Treasury and Trade population projections, the current Redland City 2015 Forecasting and Development Sequence Mapping has utilised the 2012 land supply report, extending the dwelling sequencing mapping exercise to include an additional 10 year period (2031 to 2036 and 2036 to 2041). As a result, the current development sequencing mapping assumes that all the lots identified as being developed in the 2012 development sequence mapping have been removed as potential supply in the period between 2031 and 2041.

Based on the QTT 2015 Edition Population and Dwelling Projections, it is apparent that the population growth has been revised to occur over a longer time period, effectively slowing the population growth that occurs in the earlier time periods (as outlined in the 2013 Edition) and distributing it out an additional 10 years to 2041. As a result, the dwellings outlined in the 2012 Dwelling Sequencing report that were estimated to be developed in the period before up to 2031 are now regarded as being overstated for specific SA2s, with a proportion of these dwellings now expected to be developed over the period between 2031 and 2041.

These SAs consist of the Thornlands SA2 and the Birkdale SA2 where the updated population projections have resulted in approximately 1,108 attached dwellings and 25 attached dwellings requiring to be re-allocated into other areas.

The dwelling sequencing mapping outlined in the 2015 Population, Dwelling, Employment Forecasts and Development Sequencing Mapping aligns with the additional dwellings projected by the State Government. Urbis has identified three major development areas (Toondah Harbour, Weinam Creek and Shoreline, Redland Bay) that could potentially provide additional attached and detached dwelling supply over and above the current projections from the State Government. Together, these development areas have the potential to provide in the order of 8,400 dwellings and approximately 24,000 people.

EMPLOYMENT FORECASTS

Overall, employment forecasts have been based on projections outlined by the National Institute of Economic and Industry Research.

Redland is forecast to experience moderate employment growth over the next 30 years with total employment set to increase by approximately 13,190 FTE jobs to reach 48,400 by 2041. While Redland Bay is expected to experience the strongest proportionate growth, increasing by 72.7% between 2011 and 2041, the largest increases in FTE jobs are forecast to occur in the Cleveland and Capalaba SA2s. Cleveland is forecast to gain approximately 3,720 FTE jobs between 2011 and 2041 with Capalaba expected to gain 3,240 FTE jobs over the same period.

The total additional employment has been allocated across five major employment categories. These are outlined in the following Table 6.1.

Additional Employment 2016-2041

REDLAND CITY COUNCIL REGION, BY SECTOR

TABLE 1.1

INDUSTRY	ADDITIONAL EMPLOYMENT, 2016-41
Retail/Centre Based	8,223 Employees

INDUSTRY	ADDITIONAL EMPLOYMENT, 2016-41
Commercial	3,501 Employees
Industrial	524 Employees
Education	1,415 Employees
Health	1,710 Employees
Total	15,374 Employees

1 Introduction

1.1 BACKGROUND AND STUDY OBJECTIVES

Redland City Council (RCC) is currently reviewing its infrastructure planning and has requested assistance in regard to forecasts for population, employment, and dwellings across the region. The RCC uses an Infrastructure Demand Model (IDM) to inform its Local Government Infrastructure Plan and has commissioned Urbis to undertake an independent review of the population, employment, and dwelling assumptions and forecasts that feed into the model.

1.2 STUDY OBJECTIVES

The objectives of this report are to outline the following:

- Provide a review of the historic land supply and population and dwelling reports conducted by Urbis for Redland City Council.
- Provide an overview of the key points in relation to the technical component of the Redland City 2016 Population, Dwelling, Employment Forecasts and Development Sequence Mapping.
- Review the potential for additional dwelling supply in Redland City Council through the inclusion of the two Priority Development Areas and the proposal of a new major residential master plan.

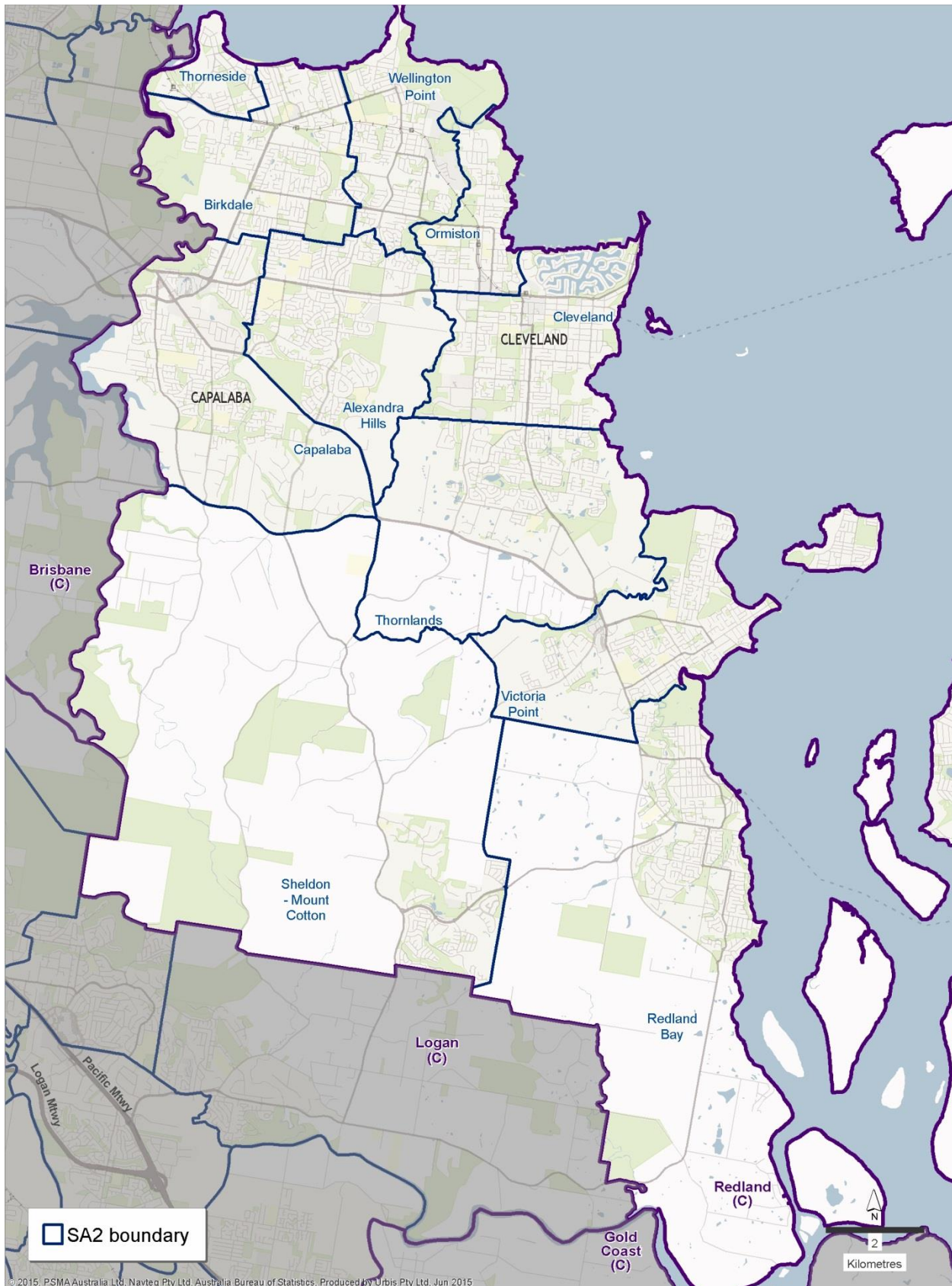
1.3 CATCHMENT AREA

For the purposes of these dwelling, population and employment forecasts a catchment area has been defined as the Redland City local government area. This area is made up of 12 Statistical Area 2 areas. These are outlined in the following Map 1.1 overleaf.

1.4 REPORT FORMAT

Following this introductory section, the Redland City 2016 Population, Dwelling, Employment Forecasts and Development Sequence Mapping report will be structured as follows:

- **Section 2 Review of Previous Studies:** This section provides a review of the previous land supply, dwelling and population forecasts and employment forecasts report that Urbis has conducted for Redland City Council.
- **Section 3 Technical Overview:** An overview of the methodology within the Redland City 2016 Population, Dwelling, Employment Forecasts and Development Sequence Mapping report is outlined in this section.
- **Section 4 Redland City Council Dwelling Capacity:** this section provides an overview as to the potential to accommodate additional dwellings over and above the State Government Forecasts.
- **Section 5 Population and Dwelling Conclusions:** a review of the population and dwelling forecasts and development sequencing mapping will be provided.
- **Section 6 Employment Projections:** An overview of the existing employment areas and a review of the NIEIR employment forecasts are outlined in this section. Employment projections will be provided on a 5 year basis and will be presented at an SA2 and SA1 level.



2 Redland Land Supply – Historic Overview

Urbis has conducted a number of land and demographic and employment studies for Redland City Council. A brief overview of each study is outlined in the following Table.

Historic Project Overview

REDLAND LAND SUPPLY REVIEW

TABLE 2.1

PROJECT	DESCRIPTION
Redland City Urban Land Availability Study	The Redland City Urban Land Availability Study formed a key input into the Local Growth Management Strategy, which was a requirement under the SEQ Regional Plan 2006-2026.
Redlands Land Supply Review, 2012	In 2012, Urbis was commissioned by Redland City Council to conduct a review of Councils update of the Redland City Urban Land Availability Study. This review was based on the 2011 population and dwelling projections released by the Queensland Treasury and Trade and focussed on the time period between 2011 and 2031. At the conclusions of the study more detailed lot level dwelling sequencing mapping was prepared in 5 year increments for the time frame 2011 to 2031.
Redland Land Supply Review, 2014	As part of the review of the South East Queensland Regional Plan, 2009-2031 review (SEQ Regional Plan), Council identified a requirement to update the Residential Land Supply Review in 2012 in line with the latest SEQ Regional Plan requirements including an extended 2041 planning horizon. This study reviews changes in residential land supply stock, development trends and yields and the 2013 population and dwelling projections released by Queensland Treasury and Trade. The Residential Land Supply Review 2014 considered these factors over the period 2014 to 2041.
Redland City 2016 Population, Dwelling, Employment Forecasts and Development Sequence Mapping	Redland City Council (RCC) is currently reviewing its infrastructure planning and commissioned Urbis to undertake an independent review of the population, employment, and dwelling assumptions and projections that feed into the Infrastructure Demand Model (IDM). This will inform its Local Government Infrastructure Plan. This study utilised the most draft 2015 population forecasts released by the Queensland Treasury and Trade.

3 Technical Overview

The technical overview section will provide a review of the assumptions and methodology that was adopted to determine the population and dwelling projections for the 2016 Population, Dwelling, Employment Forecasts and Development Sequence Mapping. It also provides an overview of the dwelling allocation process and any future land supply challenges that Redland City Council may encounter.

3.1 QUEENSLAND TREASURY AND TRADE POPULATION FORECASTS

In April 2016, Queensland Treasury and Trade released the 2015 Edition Population Projections. Compared to previous projections released by QTT, the 2015 edition are significantly lower than the 2013 edition projections and only slightly lower than the 2011 edition projections.

As the 2015 QTT population and dwelling projections are similar to the 2011 QTT projections (used to prepare the 2012 land supply review and subsequent lot level development sequence mapping) the current piece of work was able to be undertaken as an extension to the 2012 land supply review lot level development sequence mapping.. These similarities for population projections released by QTT in 2011 and 2015 are outlined in the following table.

State Government Population Projections

2011 EDITION COMPARED TO 2015 EDITION

TABLE 3.1

Projection Edition (QTT)	2011	2026	2031
2011 Edition	144,936	174,346	184,460
2015 Edition	143,711	172,982	180,924
Difference	-1,225	-1,364	-3,536

Source : Queensland Treasury and Trade, Queensland State Government ; Urbis

Recognising the 2015 edition population projections are only slightly lower than the 2011 projections, it has been determined that the 2012 development sequence mapping prepared for timeframe 2011 to 2031 is still valid and can continue to be used as likely development timing for infrastructure planning purposes.

For dwelling sequencing post 2031, the number of attached and detached dwellings, as outlined in the 2015 QTT projections, have been used to identify the lots and number of dwellings expected to be developed across each respective SA2. As a result, the number of lots within each SA2 outlined in the dwelling sequencing directly relates to the increase in the number of dwellings outlined by the QTT projections.

Once the number of additional dwellings at the SA2 level has been identified, the timing of specific lots within each SA2 has been based on the timing and development density assumptions outlined in the 2012 land supply review. As outlined earlier, this study provided dwelling sequencing at a an individual lot level between 2011 and 2031, with those lots that were identified as coming online post 2031 lumped into a 2031+ category. This 2016 review essentially distributes those lots in this 2031+ category into the 2031-36 and 2036-41 categories to extend the extend the 2012 development sequence mapping and align it with the new QTT 2015 projections.

3.1.1 POPULATION AND DWELLING PROJECTIONS, QUEENSLAND TREASURY AND TRADE, 2015 EDITION

As outlined previously, the Redland City 2016 Population, Dwelling, Employment Forecasts and Development Sequence Mapping project is based on a combination of the 2011 edition and 2015 edition population and dwelling projections released by the QTT. As a result, the population and dwelling projections outlined in the following table outline growth across the 2026 to 2041 period.

The key points in relation to these projections are outlined in the following points:

- Over the period between 2026 and 2041, the Redland City Council region is expected to increase by approximately 15,430 people in total to reach 188,400 people. This represents an average annual increase of 1,030 persons per annum or an average annual growth rate of 0.6%.
- Of the total growth, a large proportion is expected to be contained within the major statistical areas of Thornlands, Capalaba and Victoria Point which together will add a further 8,220 people over the 15 year period. The additional growth projected for these three regions will make up approximately 53% of the total population growth across the Redland City Council Region over the 15 year period.
- With the exception of Thorneside, every statistical area across the region will experience declining household size for detached dwellings.
- As expected, there is a large increase in the population attributed to attached dwellings in the major activity centres of Cleveland, Capalaba, Thornlands and Victoria Point. Interestingly, detached dwelling growth is also expected to be the greatest across these same areas as well as across the Redland Islands.
- Thornlands is expected to experience the highest population growth across Redland City Council region. This statistical area is projected to increase by 3,750 people over the 15 years. This represents approximately 250 persons per annum or 1.2% per annum. Conversely, Sheldon-Mt Cotton and Alexandra Hills are projected to decrease by approximately 60 people and 30 people respectively.

Population and Dwelling Projections

QUEENSLAND TREASURY AND TRADE, 2015 EDITION

TABLE 3.2

QTT POPULATION AND DWELLING FORECASTS - REDLAND CITY COUNCIL BY STATISTICAL AREA 2

	2026			2031			2036			2041		
	Population	Detached Dwellings	Attached Dwellings	Population	Detached Dwellings	Attached Dwellings	Population	Detached Dwellings	Attached Dwellings	Population	Detached Dwellings	Attached Dwellings
Alexandra Hills	18,307	6,050	402	18,429	6,096	423	18,385	6,116	438	18,277	6,136	454
Birkdale	16,723	5,084	794	17,080	5,174	869	17,465	5,324	899	17,780	5,472	931
Capalaba	19,566	5,497	2,029	20,552	5,595	2,438	21,260	5,845	2,488	21,895	6,091	2,542
Cleveland	18,588	4,556	3,821	19,752	4,660	4,353	20,104	4,660	4,603	20,398	4,660	4,871
Ormiston	6,941	2,053	665	7,199	2,110	731	7,331	2,170	731	7,439	2,229	731
Redland Bay	18,390	5,925	693	19,538	6,195	907	19,702	6,295	907	19,833	6,394	907
Redland Islands	11,149	7,220	492	12,049	7,850	524	12,644	8,330	524	13,149	8,802	524
Sheldon - Mount Cotton	8,856	2,953	7	8,936	2,989	7	8,872	2,989	7	8,794	2,989	7
Thornside	4,075	1,175	574	4,111	1,179	574	4,120	1,179	574	4,127	1,179	574
Thornlands	19,005	5,924	549	20,661	6,357	796	21,774	6,457	1,396	22,762	6,555	2,038
Victoria Point	18,202	5,585	1,248	19,103	5,797	1,438	19,763	5,997	1,558	20,337	6,193	1,686
Wellington Point	13,179	4,137	541	13,513	4,234	584	13,574	4,284	584	13,621	4,333	584
Redland City Council	172,982	56,159	11,815	180,924	58,234	13,644	184,992	59,644	14,709	188,413	61,031	15,849

AVERAGE HOUSEHOLD SIZE

	2026			2031			2036			2041		
		Detached Dw Ave HH Size	Attached Dw Ave HH Size		Detached Dw Ave HH Size	Attached Dw Ave HH Size		Detached Dw Ave HH Size	Attached Dw Ave HH Size		Detached Dw Ave HH Size	Attached Dw Ave HH Size
Alexandra Hills	-	2.91	1.70	-	2.90	1.70	-	2.88	1.70	-	2.85	1.70
Birkdale	-	3.02	1.70	-	3.02	1.70	-	2.99	1.70	-	2.96	1.70
Capalaba	-	2.93	1.70	-	2.93	1.70	-	2.91	1.70	-	2.89	1.70
Cleveland	-	2.65	1.70	-	2.65	1.70	-	2.64	1.70	-	2.60	1.70
Ormiston	-	2.83	1.70	-	2.82	1.70	-	2.81	1.70	-	2.78	1.70
Redland Bay	-	2.90	1.70	-	2.90	1.70	-	2.88	1.70	-	2.86	1.70
Redland Islands	-	1.43	1.70	-	1.42	1.70	-	1.41	1.70	-	1.39	1.70
Sheldon - Mount Cotton	-	2.99	1.70	-	2.99	1.70	-	2.96	1.70	-	2.94	1.70
Thornside	-	2.64	1.70	-	2.66	1.70	-	2.67	1.70	-	2.67	1.70
Thornlands	-	3.05	1.70	-	3.04	1.70	-	3.00	1.70	-	2.94	1.70
Victoria Point	-	2.88	1.70	-	2.87	1.70	-	2.85	1.70	-	2.82	1.70
Wellington Point	-	2.96	1.70	-	2.96	1.70	-	2.94	1.70	-	2.91	1.70

POPULATION BY DETACHED AND ATTACHED DWELLINGS - QTT FORECASTS

	2026			2031			2036			2041		
	Population	Detached Dw Population	Attached Dw Population	Population	Detached Dw Population	Attached Dw Population	Population	Detached Dw Population	Attached Dw Population	Population	Detached Dw Population	Attached Dw Population
Alexandra Hills	18,307	17,624	683	18,429	17,710	719	18,385	17,640	745	18,277	17,505	772
Birkdale	16,723	15,373	1,350	17,080	15,603	1,477	17,465	15,937	1,528	17,780	16,197	1,583
Capalaba	19,566	16,117	3,449	20,552	16,407	4,145	21,260	17,030	4,230	21,895	17,574	4,321
Cleveland	18,588	12,092	6,496	19,752	12,352	7,400	20,104	12,279	7,825	20,398	12,118	8,280
Ormiston	6,941	5,811	1,131	7,199	5,956	1,243	7,331	6,088	1,243	7,439	6,196	1,243
Redland Bay	18,390	17,212	1,178	19,538	17,996	1,542	19,702	18,160	1,542	19,833	18,291	1,542
Redland Islands	11,149	10,313	836	12,049	11,158	891	12,644	11,753	891	13,149	12,258	891
Sheldon - Mount Cotton	8,856	8,844	12	8,936	8,924	12	8,872	8,860	12	8,794	8,782	12
Thornside	4,075	3,099	976	4,111	3,135	976	4,120	3,144	976	4,127	3,151	976
Thornlands	19,005	18,072	933	20,661	19,308	1,353	21,774	19,401	2,373	22,762	19,297	3,465
Victoria Point	18,202	16,080	2,122	19,103	16,658	2,445	19,763	17,114	2,649	20,337	17,470	2,867
Wellington Point	13,179	12,259	920	13,513	12,520	993	13,574	12,581	993	13,621	12,628	993
Redland City Council	172,981	152,896	20,086	180,923	157,728	23,195	184,994	159,989	25,005	188,412	161,468	26,944

Source: Redland City Council ; Urbis

3.2 ALLOCATION OF DWELLINGS

When reviewing the mapping it is important to note that the development sequencing assumes that all of the lots identified as being developed in the 2012 development sequencing mapping have been removed as potential supply in the 2031 to 2041 timeframe and that the SA2 level attached and detached dwelling projections have been used to guide the identification of lots and number of dwellings expected to be developed within each SA2.

Once the lots in the 2012 sequencing mapping have been excluded, the additional attached dwellings between 2031 and 2041 have largely been accommodated within and around the higher order activity centres in the City (Capalaba, Cleveland and Victoria Point). The additional detached dwellings forecasted by QTT have been accommodated across the remaining smaller sized urban residential lots within each respective SA2.

While the increase in the number of attached dwellings between 2031 and 2041 in the development sequencing is in line with the overall increase outlined by the QTT projections (approximately 2,205 dwellings), there are a number of differences at the SA2 level. These differences appear to be as a result of a timing issue between the two data sets, rather than a lack of appropriately zoned land.

This timing issue specifically relates to the re-adjustment of population and dwelling growth between the QTT 2013 Edition and QTT 2015 Edition Population and Dwelling Projections. For particular SA2s, the 2015 Edition has assumed that population growth will occur over a longer period, effectively distributing population growth over a longer period (out to 2041) than what was assumed in the 2013 Edition (to 2031). Effectively, these revised assumptions has now resulted in slower population growth rates in the initial years of the forecasts (to 2031) in order to reach the 2041 projection year.

Based on the QTT 2015 Edition Population and Dwelling Projections, the dwellings outlined in the 2012 Dwelling Sequencing report that were estimated to be developed in the period before up to 2031 are now regarded as being overstated for particular SA2s, with a proportion of these dwellings now expected to be developed over the period between 2031 and 2041.

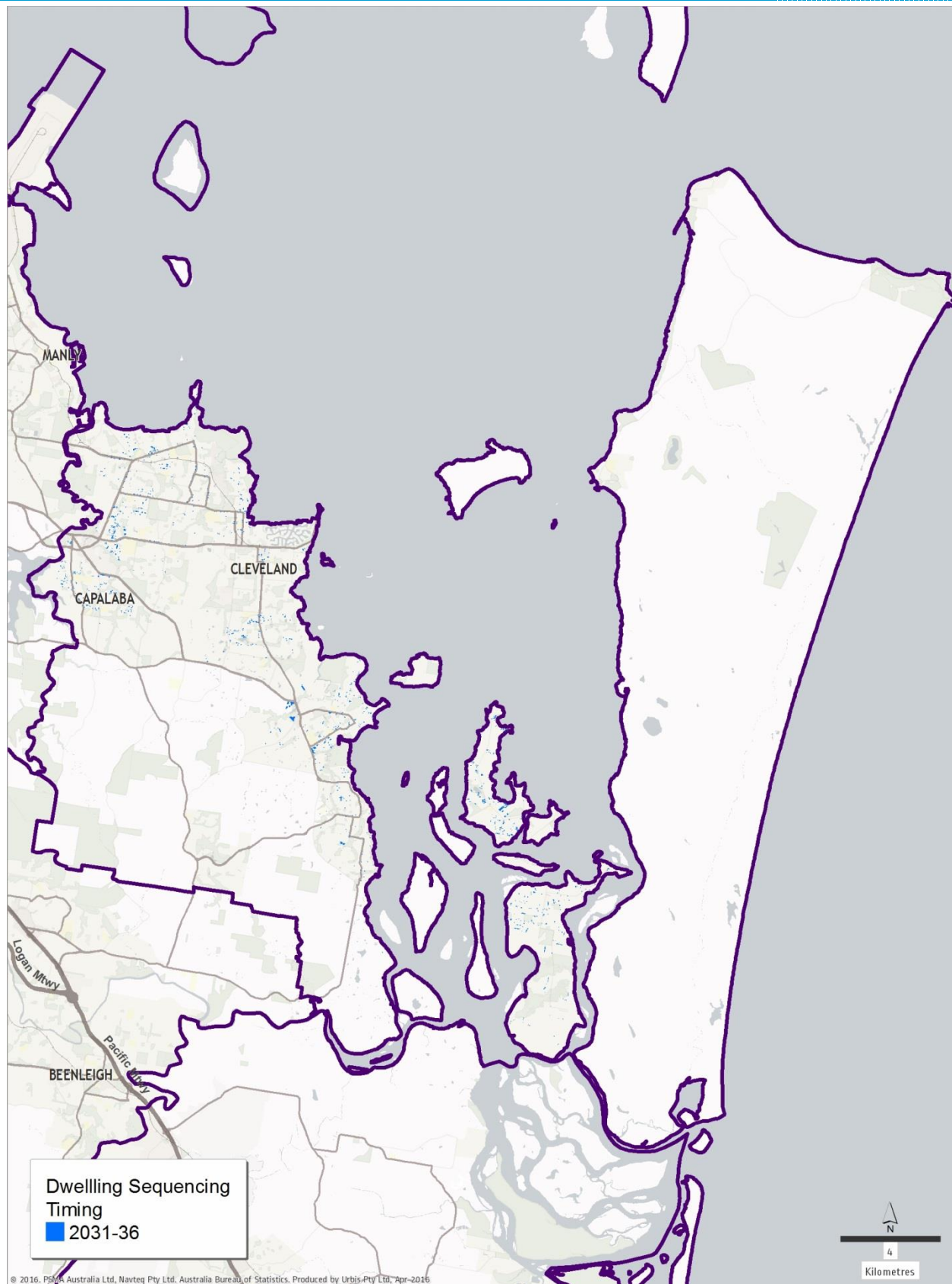
Specifically, the differences relate to the following regions:

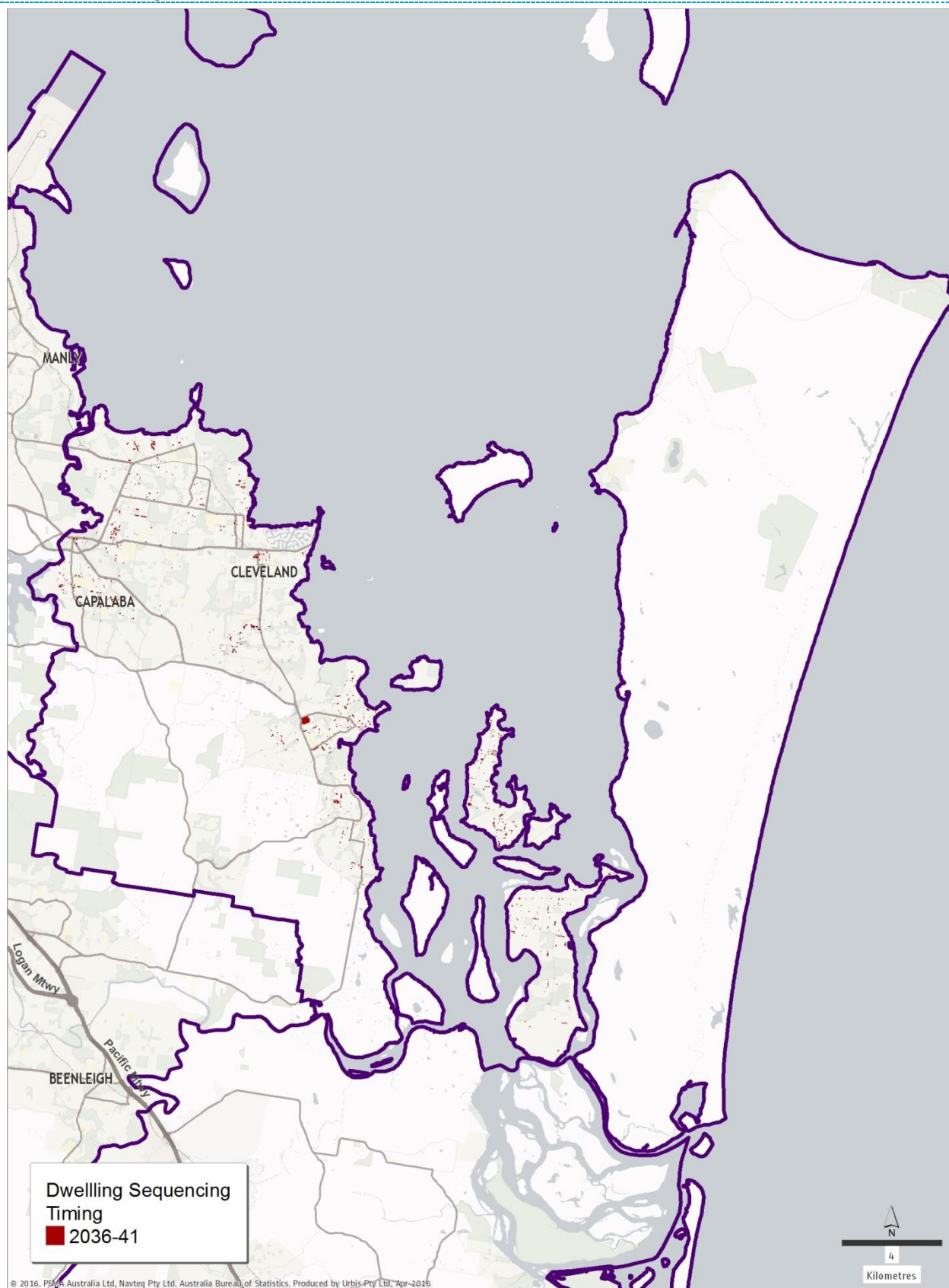
- **Thornlands SA2:** QTT 2015 Edition Population Projections outline an additional 1,242 dwellings over the 2031 to 2041 period. While Thornlands includes two major growth areas in South East Thornlands and Kinross Road, a large proportion of the attached dwellings in these areas have already been identified as being developed in the 2012 development sequencing mapping. The QTT 2015 Edition Population Projections assumes that the development occurring in the Thornlands SA2 that was identified in the 2013 Edition is now expected to occur over an extended period to 2041, therefore slowing population growth in the earlier years. As a result of these revised population forecasts only 134 attached dwellings can now be accommodated across the Thornlands SA2.

The additional 1,108 dwellings that were outlined in the 2015 Edition Population Projections have been allocated across the major centres of Victoria Point (617), Cleveland (380) and Capalaba (111 attached dwellings) which all have a large amount of attached residential zoned land.

- **Birkdale SA2:** The Birkdale SA2 only represents a relatively modest increase in attached dwellings over the 2031 to 2041 period. The QTT projections outline an additional 62 attached dwellings over the 2031 to 2041 period, however, similar to the Thornlands SA2 the revised population projections have resulted in capacity to accommodate an additional 37 attached dwellings. As a result, the balance (25 dwellings) have been allocated into the Major Centre of Cleveland.

The development sequencing maps for the 2031-36 and 2036-41 periods are outlined overleaf.





4 Redland City Council Dwelling Capacity

The population and dwelling forecasts outlined in the tables provided align with the Queensland Treasury and Trade Draft Population Forecasts (2015) for the 25 year period between 2015 and 2041 (which are released at a Statistical Area 2 level).

Between 2031 and 2041, these forecasts have outlined the potential for additional growth within the Redland City Council region of approximately 5,000 dwellings resulting in a further 7,490 additional people. Adopting these forecasts would result in approximately 76,881 dwellings and 188,400 people residing within the Redland City Council area in 2041.

Despite the release of these State Government forecasts, Urbis has identified the potential for higher dwelling numbers which would result in greater population throughout the local government area. Based on Urbis' understanding of the residential development in Redland City the stronger growth in dwellings and population can be attributed to the development areas located at:

- **Toondah Harbour Priority Development Area** (Cleveland) which will potentially provide up to 3,600 dwellings and potentially accommodate up to 10,000 people.
- **Weinam Creek Priority Development Area** (Redland Bay) which is estimated to provide approximately 840 dwellings and accommodate 1,430 people.
- **Shoreline Master Plan** (Redland Bay) which has recently been granted a preliminary approval and will potentially contribute an additional 4,000 homes and around 10,000 to 12,000 people.

While a small component of the Priority Development Areas are understood to have been incorporated in the Queensland Treasury and Trade forecasts, based on the SA2 forecasts it appears as though the full extent of these development areas has not been incorporated. Urbis has recognised that by taking into account the entirety of these developments, these major growth precincts have the potential to accelerate growth/prolong future residential dwelling supply within Redland City Council.

5 Employment Projections

Employment projections for the Redland City Council region have been estimated based on the following data sources:

- ABS 2011 Place of Work data collected as part of the Census of Population and Housing;
- 2015 National Institute of Economic and Industry Research (NIEIR) employment forecasts (supplied by Redland City Council);
- An inventory of total, vacant and current inconsistently used employment generating land in Redland City local government area;
- Current and approved development applications for employment generating developments in Redland City local government area from July 2011 to present;
- Dwelling and population projections for Redland LGA provided in the preceding sections.

5.1 NIEIR EMPLOYMENT FORECASTS

NIEIR has prepared employment forecasts for the Redland LGA on behalf of the South East Queensland Council of Mayors. These forecasts were prepared in 2015 and offer two main scenarios of employment growth in the region which are outlined below:

- **Primary Scenario:** This scenario takes employment growth rates provided by the Queensland Government Statistician's Office in 2013 and reduces them from LGA to SA2 level. However, NIEIR notes that these growth rates are very ambitious and the Primary Scenario should be viewed as an aspirational target rather than as a realistic forecast of the future.
- **Scenario 2:** This scenario provides an alternative scenario that accounts for a number of capacity constraints (i.e. housing affordability, labour market catchment, accessibility to employment nodes, etc.) that will potentially affect the level and distribution of growth within Redland. Accordingly, NIEIR considers these forecasts to be a more realistic prediction of employment growth in Redland over the next 30 years.

Based on NIEIR's consideration of the two scenarios outlined above, the employment forecasts in this report have been based on employment growth as outlined in the NIEIR Scenario 2. Employment forecasts in Scenario 2 are provided for the total number of workers and include both full time and part time workers. In order to convert the part time worker numbers into full time equivalent positions, the analysis assumes that one full time job is equivalent to two part time jobs. A summary of NIEIR's Scenario 2 forecasts including the number of workers and the full-time/part-time split are outlined in Table 6.1 (overleaf).

NIEIR Scenario 2 Forecasts

REDLAND LGA BY SA2, 2011 – 2041

TABLE 5.1

SA2	2011				2041			
	Workers	%Full-Time	%Part-Time	FTE	Workers	%Full-Time	%Part-Time	FTE
Alexandra Hills	2,834	49.9%	50.1%	2,124	3,792	57.3%	42.7%	2,982
Birkdale	2,625	48.5%	51.5%	1,949	3,867	57.1%	42.9%	3,038
Capalaba	11,433	60.9%	39.1%	9,198	14,524	70.2%	29.8%	12,360
Thorneside	409	72.5%	27.5%	353	823	73.3%	26.7%	713
Wellington Point	2,035	50.8%	49.2%	1,534	2,934	60.2%	39.8%	2,350
Cleveland	10,302	58.8%	41.2%	8,180	13,931	67.8%	32.2%	11,688
Ormiston	1,474	56.4%	43.6%	1,153	2,445	67.2%	32.8%	2,044
Redland Bay	2,376	59.0%	41.0%	1,889	3,918	67.2%	32.8%	3,275
Redland Islands ¹	2,308	54.4%	45.6%	1,782	2,553	57.7%	42.3%	2,013
Sheldon - Mount Cotton	2,083	69.3%	30.7%	1,763	2,899	74.9%	25.1%	2,535
Thornlands	2,400	54.5%	45.5%	1,854	3,154	62.5%	37.5%	2,563
Victoria Point	<u>4,768</u>	45.1%	54.9%	<u>3,459</u>	<u>6,638</u>	53.5%	46.5%	<u>5,095</u>
TOTAL	45,047			35,238	61,478			50,656

¹ Assumes that 2 part time jobs equate to a full time position

Source: National Institute of Economic and Industry Research ; Urbis

To test these forecasts, we have rebased the NIEIR Scenario 2 employment forecasts to the ABS Place of Work (POW) employment data that was released as part of the 2011 Census (refer Table 6.2). This 2011 data provides information regarding where people travel to for work and as a result provides the best estimate of the actual number of employment positions within each SA2 across Redland City. The employment forecasts by SA2 have been calculated by applying the growth rates outlined as per NIEIR Scenario 2 (out to 2041) to the Place of Work data released as part of the 2011 Census.

Based on the rebasing exercise, employment in the Redland City Council region is expected to increase by approximately 15,370 positions. According to the NIEIR growth rates at the SA2 level, a large proportion of this growth will occur within the major centres of Cleveland, Capalaba and Victoria Point which together make up approximately 8,700 additional employment positions. Smaller increases in employment are forecast to occur within Redland Bay and Birkdale.

Rebased NIEIR Scenario 2 Forecasts

REDLAND LGA BY SA2, 2011 – 2041

TABLE 5.2

SA2	Annual Growth	POW 2011	Forecast 2041	Total Growth 2011-41
Alexandra Hills	1.14%	2,157	3,029	872
Birkdale	1.49%	1,874	2,921	1,047
Capalaba	0.99%	9,412	12,648	3,236
Thorneside	2.37%	311	629	318
Wellington Point	1.43%	1,534	2,350	816
Cleveland	1.20%	8,666	12,383	3,717
Ormiston	1.93%	1,107	1,963	856
Redland Bay	1.85%	1,678	2,910	1,232
Redland Islands ¹	0.41%	1,518	1,715	197
Sheldon - Mount Cotton	1.22%	1,562	2,246	684
Thornlands	1.08%	1,707	2,359	652
Victoria Point	1.30%	<u>3,700</u>	<u>5,449</u>	<u>1,749</u>
Total		35,226	50,600	15,374

¹ Includes Moreton Island in Redland Bay SA2

Source: NIEIR LGA Summary Report - Redland (C) Draft; Australian Bureau of Statistics Place of Work Data 2011; Urbis

It is important to note that the employment in 2011 (released by the ABS) does not exactly match the employment outlined in the Scenario 2 forecasts (refer Table 6.1). This difference (of 12 full time employment positions) can be attributed to the requirement to re-adjust the part time NIEIR forecasts to full time equivalent positions as well as the exclusion of inadequately described category within the Place of Work Data.

Based on this high level comparison and the similarities between the ABS 2011 employment figures and the NIEIR Scenario 2 employment numbers at 2011, the employment forecasts under the NIEIR Scenario 2 have been adopted.

5.2 EMPLOYMENT FORECASTS

The SA1 employment forecasts have been determined based on a top down approach. To obtain employment forecasts at the SA1 level, the SA2 employment forecasts outlined by NIEIR (Scenario 2) are required to be distributed across each of the SA1s that make up the respective SA2. This distribution is based on a number of key elements which are outlined in the following section.

The employment forecasts have focussed on five key employment generating sectors including retail/centre based, commercial, industrial, education and health.

5.2.1 EMPLOYMENT DISTRIBUTION ASSUMPTIONS

The employment forecasts provided below in Table 6.3 have been calculated using the following methodology:

- Key future employment-generating precincts were identified (including Cleveland Health Hub, Toondah Harbour and Weinam Creek) and new employment generated by these precincts over time was calculated through the application of industry employment benchmarks;
- Education industry employment was projected by applying population growth rates for each SA2 to the number of Education industry jobs in each SA2 at 2011. These additional jobs were then apportioned between SA1s proportionate to the number of schools within each SA1;
- The balance of the employment positions within the Redland City Council region has been allocated into SA1s based on the land zoning outlined in the Redland Planning Scheme Version 7. In order to derive an employment estimate the analysis first identifies the amount of vacant employment land or land uses that are inconsistent with the zoning employment zoning (for example, residential on commercial zoned land). It then applies the potential site coverage a potential building could occupy and applies an employment benchmark to this based on the appropriate land use.
- Particular employment land that has been assessed includes commercial, industrial and retail sectors and relate to Commercial Industry, General Industry, Island Industry, Neighbourhood Centre, Local Centre, Major Centre, District Centre, SMBI Centre and Point Lookout Centre and Tourist zoning.
- The forecasts have been derived by employment sector and calculated at an SA1 level and aggregated into the SA2 level forecasts shown in **Appendix A**.

5.3 KEY OUTCOMES

Redland is forecast to experience moderate employment growth over the next 30 years with total employment set to increase by approximately 13,190 FTE jobs to reach 48,400 by 2041. While Redland Bay is expected to experience the strongest proportionate growth, increasing by 72.7% between 2011 and 2041, the largest increases in FTE jobs are forecast to occur in the Cleveland and Capalaba SA2s. Cleveland is forecast to gain approximately 3,720 FTE jobs between 2011 and 2041 with Capalaba expected to gain 3,240 FTE jobs over the same period.

5.3.1 EMPLOYMENT BY SECTOR

Based on the methodology and total employment forecasts, an overview of the number of additional employees by sector is outlined in the following table.

Additional Employment 2016-2041

REDLAND CITY COUNCIL REGION, BY SECTOR

TABLE 5.3

INDUSTRY	ADDITIONAL EMPLOYMENT, 2016-41
Retail/Centre Based	8,223 Employees
Commercial	3,501 Employees
Industrial	524 Employees
Education	1,415 Employees
Health	1,710 Employees
Total	15,374 Employees

Source: NIEIR 2015 Employment Forecasts, Redland City Council, Urbis

Key points in relation to the employment forecasts are outlined in the following sections.

CENTRE/COMMERCIAL RELATED EMPLOYMENT GROWTH

The majority of the employment growth is expected to occur within the retail/centre and commercial sector with an increase of approximately 8,200 and 3,500 additional employees estimated over the next 25 year period. These additional jobs will be driven primarily by the increase in the population in the Redland City region and the corresponding increase in the demand for retail goods and commercial services.

It is expected that this demand will be satisfied primarily by the larger centres within Redland City including Cleveland, Capalaba and Victoria Point. From a development potential perspective, these larger centres potentially present easier redevelopment opportunities as they contain larger parcels of land with greater flexibility in planning such as supporting increased density allowances.

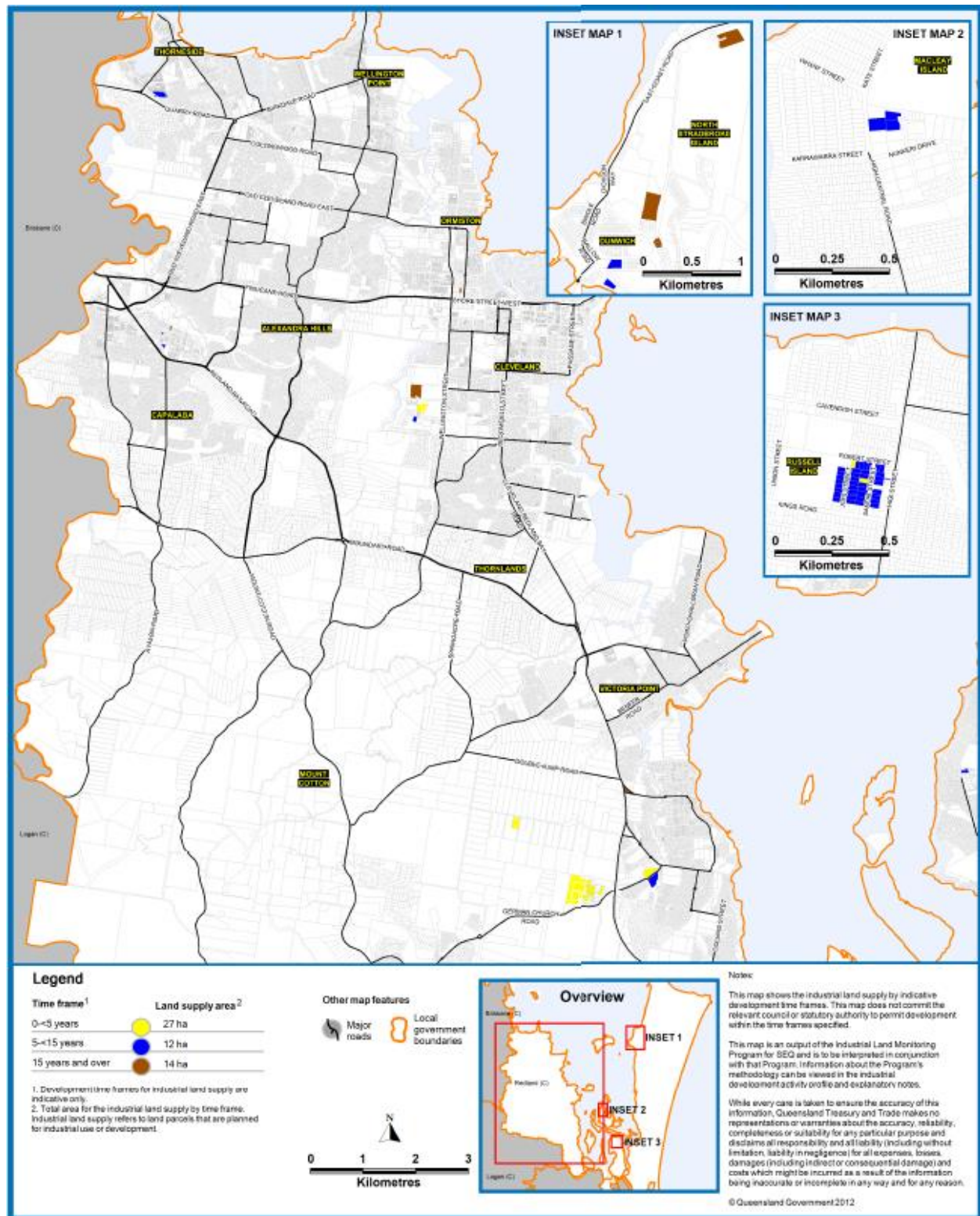
Despite this, it is still expected that a small amount of employment growth will be directed towards lower order centres through small expansions and take up of land that are currently being used for land uses that are inconsistent with the land zoning (e.g. detached dwelling on centre zoned land).

INDUSTRIAL RELATED EMPLOYMENT GROWTH

Based on the methodology outlined in the previous section, industrial related jobs are only expected to increase by around 520 employees over the next 25 year period to 2041. The majority of the increase can be attributed to the continuing development of the Redland Bay Business Park which is expected to contribute an additional 160 industrial based jobs.

This low forecast employment corresponds to the low amount of industrial land in the Redland City Council region. The Queensland Treasury and Trade, Office of Economic and Statistical Research (OESR) has outlined in the 2011 Industrial Land Supply Study that Redland City only contained 53 hectares of gross industrial land (refer Map 6.1). Applying an assumption of 70% site coverage (to obtain a net or developable land) results in approximately 37 hectares.

At an employment benchmark of 15 jobs per hectare results in employment of approximately 555 people. This high level analysis does not take into account any industrial land parcels in the OESR study which would decrease this employment amount.



Source: Queensland Treasury and Trade, Office of Economic and Statistical Research, 2011 ; Urbis

EDUCATION RELATED EMPLOYMENT GROWTH

Overall, it is estimated that employment in the education sector will increase by around 1,400 jobs and will be driven by population growth and the provision of existing primary, secondary and tertiary education facilities. These jobs are split relatively evenly across each of the SA2s located within the Redland City Council region.

HEALTH RELATED EMPLOYMENT GROWTH

Employment in the health industry is estimated to increase by around 1,700 employment positions and will be driven significantly by the proposed expansion of the Redland Hospital located in Cleveland. Of the additional health jobs the expansion is estimated to create approximately 1,400 jobs which are expected to come online in 2026 and be complete by 2036.

The balance of the employment in the health sector has been distributed to the major activity centres within Cleveland, Capalaba and Victoria Point. As these centres evolve it is likely that they will have a greater town centre focus that will accommodate a range of land uses (not just retail and commercial).

6 Conclusions

The following section provides an overview of the population, dwelling and employment forecasts for the Redland City Council area.

6.1 POPULATION AND DWELLING CONCLUSIONS

Given the similarities between the 2011 and 2015 Queensland Treasury and Trade population projections, the current Redland City 2015 Forecasting and Development Sequence Mapping has utilised the 2012 land supply report, extending the dwelling sequencing mapping exercise to include an additional 10 year period (2031 to 2036 and 2036 to 2041). As a result, the current development sequencing mapping assumes that all the lots identified as being developed in the 2012 development sequence mapping have been removed as potential supply in the period between 2031 and 2041.

Based on the QTT 2015 Edition Population and Dwelling Projections, it is apparent that the population growth has been revised to occur over a longer time period, effectively slowing the population growth that occurs in the earlier time periods (as outlined in the 2013 Edition) and distributing it out an additional 10 years to 2041. As a result, the dwellings outlined in the 2012 Dwelling Sequencing report that were estimated to be developed in the period before up to 2031 are now regarded as being overstated for specific SA2s, with a proportion of these dwellings now expected to be developed over the period between 2031 and 2041.

These SAs consist of the Thornlands SA2 and the Birkdale SA2 where the updated population projections have resulted in approximately 1,108 attached dwellings and 25 attached dwellings requiring to be re-allocated into other areas.

The dwelling sequencing mapping outlined in the 2015 Population, Dwelling, Employment Forecasts and Development Sequencing Mapping aligns with the additional dwellings projected by the State Government. Urbis has identified three major development areas (Toondah Harbour, Weinam Creek and Shoreline, Redland Bay) that could potentially provide additional attached and detached dwelling supply over and above the current projections from the State Government. Together, these development areas have the potential to provide in the order of 8,400 dwellings and approximately 24,000 people.

6.2 EMPLOYMENT FORECASTS

Overall, employment forecasts have been based on projections outlined by the National Institute of Economic and Industry Research.

Redland is forecast to experience moderate employment growth over the next 30 years with total employment set to increase by approximately 13,190 FTE jobs to reach 48,400 by 2041. While Redland Bay is expected to experience the strongest proportionate growth, increasing by 72.7% between 2011 and 2041, the largest increases in FTE jobs are forecast to occur in the Cleveland and Capalaba SA2s. Cleveland is forecast to gain approximately 3,720 FTE jobs between 2011 and 2041 with Capalaba expected to gain 3,240 FTE jobs over the same period.

The total additional employment has been allocated across five major employment categories. These are outlined in the following Table 6.1.

Additional Employment 2016-2041

REDLAND CITY COUNCIL REGION, BY SECTOR

TABLE 6.1

INDUSTRY	ADDITIONAL EMPLOYMENT, 2016-41
Retail/Centre Based	8,223 Employees
Commercial	3,501 Employees
Industrial	524 Employees

INDUSTRY	ADDITIONAL EMPLOYMENT, 2016-41
Education	1,415 Employees
Health	1,710 Employees
Total	15,374 Employees

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In preparing this report, Urbis was required to make judgements which may be affected by unforeseen future events, the likelihood and effects of which are not capable of precise assessment.

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This report has been prepared with due care and diligence by Urbis and the statements and opinions given by Urbis in this report are given in good faith and in the reasonable belief that they are correct and not misleading, subject to the limitations above.

Appendix A

Employment by Sector by SA1

Redland Employment Projections by SA1, 2011-2041

REDLAND LGA

Name	SA2		SA1	Forecast Additional Employment					
	Code			2016	2021	2026	2031	2036	2041
Alexandra Hills	301011001	3100101	1	0	0	0	0	0	0
		3100102	1	0	0	0	0	0	0
		3100103	5	2	2	2	0	0	0
		3100104	1	0	0	0	0	0	0
		3100105	1	0	0	0	0	0	0
		3100106	1	0	0	0	0	0	0
		3100107	1	0	0	0	0	0	0
		3100108	1	2	0	0	0	0	0
		3100109	1	0	0	0	0	0	0
		3100110	1	0	0	0	0	0	0
		3100111	2	0	0	0	0	0	0
		3100112	1	0	0	0	0	0	0
		3100113	1	0	0	0	0	0	0
		3100114	1	0	0	0	0	0	0
		3100115	2	0	0	0	0	0	0
		3100116	2	7	2	2	0	0	0
		3100117	0	5	1	0	0	0	0
		3100118	0	0	0	0	0	0	0
		3100119	1	0	0	0	0	0	0
		3100120	3	2	2	2	0	0	0
		3100121	1	0	0	0	0	0	0
		3100122	1	0	0	0	0	0	0
		3100123	1	0	0	0	0	0	0
		3100124	1	0	0	0	0	0	0
		3100125	1	0	5	5	5	5	5
		3100126	1	0	0	0	0	0	0
		3100127	1	0	0	0	0	0	0
		3100128	2	0	0	0	0	0	0
		3100129	1	0	0	0	0	0	0
		3100130	1	0	0	0	0	0	0
		3100131	2	0	0	0	0	0	0
		3100132	0	0	0	0	0	0	0
		3100133	3	2	2	2	0	0	0
		3100134	1	0	0	0	0	0	0
		3100135	1	0	0	0	0	0	0
		3100136	2	0	0	0	0	0	0
		3100137	1	0	0	0	0	0	0
		3100138	0	0	0	0	0	0	0
		3100139	2	0	0	0	0	0	0
		3100140	1	0	0	0	0	0	0
		3100141	1	0	0	0	0	0	0
		3100142	0	0	0	0	0	0	0
		3100143	0	0	0	0	0	0	0
		3100144	0	0	0	0	0	0	0
		3100145	1	3	1	3	0	0	0
Birkdale	301011003	3100301	3	0	0	0	0	0	0
		3100302	3	0	0	0	0	0	0
		3100303	1	0	0	14	30	0	0
		3100304	6	5	4	2	1	1	1
		3100305	3	0	0	0	0	0	0
		3100306	2	0	0	0	0	0	0
		3100307	2	9	1	0	0	0	0
		3100308	1	1	1	0	0	0	0
		3100309	2	0	0	0	0	0	0
		3100310	4	0	0	3	6	0	0
		3100311	6	4	3	2	1	1	1
		3100312	1	0	0	0	0	0	0
		3100313	5	4	2	2	2	2	2
		3100314	2	0	0	0	0	0	0
		3100315	2	0	0	0	0	0	0
		3100316	6	2	0	0	0	0	0
		3100317	2	1	1	0	0	0	0
		3100318	2	0	0	0	0	0	0
		3100319	2	0	0	0	0	0	0
		3100320	2	1	0	0	0	0	0
		3100321	2	1	0	0	0	0	0
		3100322	2	0	0	0	0	0	0
		3100323	3	0	0	0	0	0	0

	3100324	3	2	1	0	0	0
	3100325	4	0	0	0	0	0
	3100326	0	1	0	0	0	0
	3100327	0	0	0	0	0	0
	3100328	2	1	0	0	0	0
	3100329	1	0	0	0	0	0
	3100330	1	0	0	0	0	0
	3100331	1	0	0	0	0	0
	3100332	2	0	0	0	0	0
	3100333	2	0	0	0	0	0
	3100334	2	0	0	0	1	0
	3100335	2	1	1	2	0	0
	3100336	4	4	3	2	1	1

	3100401	0	0	0	0	0	0
	3100402	2	0	0	0	0	0
	3100403	107	106	111	114	118	118
	3100404	2	0	0	0	0	0
	3100405	2	0	0	0	0	0
	3100406	1	0	0	0	0	0
	3100407	406	409	413	417	418	419
	3100408	1	0	0	0	0	0
	3100409	3	0	0	0	0	0
	3100410	2	1	0	0	0	0
	3100411	5	6	4	4	4	4
	3100412	3	12	8	5	9	10
	3100413	1	0	0	0	0	0
	3100414	1	0	0	0	0	0
	3100415	1	0	0	0	0	0
	3100416	1	0	0	0	0	0
	3100417	1	4	0	0	0	0
	3100418	0	0	0	0	0	0
	3100419	1	0	0	0	0	0
	3100420	1	0	0	0	0	0
	3100421	1	0	0	0	0	0
	3100422	0	0	0	0	0	0
	3100423	1	0	0	0	0	0
	3100424	0	0	0	0	0	0
	3100425	1	0	0	0	0	0
	3100426	2	0	0	0	14	14
	3100427	1	0	0	0	0	0
	3100428	1	0	0	0	0	0
	3100429	1	0	0	0	0	0
	3100430	1	0	0	0	0	0
	3100431	1	0	0	0	0	0
	3100432	0	0	0	0	0	0
	3100433	1	0	0	0	13	13
	3100434	1	2	2	0	0	0
	3100435	1	0	1	0	0	0
	3100436	0	1	1	0	0	0
	3100437	23	23	23	23	23	23
	3100438	3	1	1	0	0	0
	3100439	0	0	0	0	0	0
	3100440	2	0	0	0	0	0
	3100441	1	0	0	0	0	0
	3100442	5	16	10	5	9	10
	3100443	1	0	0	0	0	0
	3100444	1	1	0	0	0	0

	3100501	0	0	0	0	0	0
	3100502	2	0	0	0	0	0
	3100503	1	0	0	0	0	0
	3100504	1	0	0	0	0	0
	3100505	1	1	0	0	0	0
	3100506	0	0	0	0	0	0
	3100507	26	24	24	24	24	24
	3100508	1	0	0	0	0	0
	3100509	1	0	0	0	0	0
	3100510	0	0	0	0	0	0

	3100601	2	0	0	0	0	0
	3100602	1	0	0	0	0	0
	3100603	2	0	0	0	0	0
	3100604	4	1	1	0	0	0

Wellington Point	301011006	3100605	9	7	7	7	11	11
		3100606	24	18	16	10	7	8
		3100607	2	0	0	0	4	4
		3100608	3	3	2	0	0	0
		3100609	4	0	0	0	0	0
		3100610	2	0	0	0	0	0
		3100611	2	0	0	0	0	0
		3100612	3	0	0	0	0	0
		3100613	3	0	0	0	0	0
		3100614	5	1	1	0	0	0
		3100615	8	8	5	5	5	5
		3100616	4	1	1	0	0	0
		3100617	3	0	0	0	0	0
		3100618	5	2	0	0	0	0
		3100619	4	4	0	0	0	0
		3100620	2	0	0	0	0	0
		3100621	6	0	0	0	0	0
		3100622	3	0	0	0	0	0
		3100623	2	0	0	0	0	0
		3100624	0	0	0	0	53	53

Cleveland	301021007	3100701	0	0	0	0	0	0
		3100702	0	0	0	0	0	0
		3100703	2	1	1	1	1	1
		3100704	1	0	0	0	0	0
		3100705	1	0	0	0	0	0
		3100706	2	0	0	0	0	0
		3100707	0	0	0	0	0	0
		3100708	0	2	0	0	0	0
		3100709	0	0	0	0	0	0
		3100710	1	1	0	0	0	0
		3100711	1	1	0	0	0	0
		3100712	0	1	0	1	0	0
		3100713	0	0	285	500	600	0
		3100714	0	0	0	0	0	0
		3100715	2	0	0	0	0	0
		3100716	158	159	163	166	167	168
		3100717	0	1	0	0	0	0
		3100718	0	0	0	0	0	0
		3100719	1	0	0	0	0	0
		3100720	1	0	0	1	0	0
		3100721	1	0	0	1	0	0
		3100722	4	5	5	6	6	6
		3100723	1	0	0	0	0	0
		3100724	0	0	0	0	0	0
		3100725	15	166	208	67	29	32
		3100726	1	1	1	2	2	2
		3100727	318	318	322	325	326	327
		3100728	78	78	82	84	88	88
		3100729	47	47	47	47	47	47
		3100730	1	0	0	0	0	0
		3100731	0	0	0	0	0	0
		3100732	0	0	0	0	0	0
		3100733	0	0	0	0	0	0
		3100734	0	1	1	2	2	2
		3100735	0	0	0	0	0	0
		3100736	0	1	0	0	0	0
		3100737	1	0	0	0	0	0

Ormiston	301021008	3100801	3	1	1	0	0	0
		3100802	1	0	0	0	0	0
		3100803	1	0	0	0	0	0
		3100804	19	12	8	5	4	4
		3100805	3	0	0	0	0	0
		3100806	2	2	0	0	0	0
		3100807	9	8	8	8	8	8
		3100808	13	10	9	10	9	9
		3100809	3	3	1	0	0	0
		3100810	4	0	0	0	0	0
		3100811	2	1	0	0	0	0
		3100812	19	7	6	4	4	4

		3100901	3	1	0	0	0	0
		3100902	4	0	0	0	0	0

Redland Bay	301021009	3100903	3	0	0	5	10	0
		3100904	31	26	26	27	28	26
		3100905	2	0	0	1	0	0
		3100906	3	0	0	0	0	0
		3100907	7	11	5	3	2	2
		3100908	4	0	0	0	2	2
		3100909	1	0	0	0	0	0
		3100910	1	0	0	0	0	0
		3100911	30	27	27	27	72	72
		3100912	7	4	4	4	4	4
		3100913	3	0	0	0	0	0
		3100914	7	34	5	8	2	2
		3100915	3	1	0	0	0	0
		3100916	3	0	0	0	0	0
		3100917	2	1	0	0	0	0
		3100918	8	0	0	0	0	0
		3100919	29	25	22	18	16	16
		3100920	4	1	0	0	0	0
		3100921	0	0	0	0	0	0
		3100922	3	0	0	0	0	0
		3100923	4	0	0	0	0	0
		3100924	5	0	0	0	0	0
		3100925	2	0	0	0	0	0
		3100926	17	14	14	14	14	14
		3100927	1	148	247	105	9	9
		3100928	8	9	7	8	4	4
		3100929	2	1	1	0	0	0
		3100930	2	0	0	0	0	0

Redland Islands	301021010	3101001	0	0	0	0	0	0
		3101002	0	8	0	0	0	0
		3101003	4	4	4	4	4	4
		3101004	0	0	0	0	0	0
		3101005	0	0	0	0	1	0
		3101006	0	0	0	0	0	0
		3101007	0	0	0	0	0	0
		3101008	0	0	0	0	0	0
		3101009	0	0	0	0	0	0
		3101010	7	5	3	3	5	5
		3101011	4	3	3	3	3	3
		3101012	1	1	1	1	1	1
		3101013	0	0	0	0	0	0
		3101014	7	5	2	2	4	4
		3101015	1	1	1	1	1	1
		3101016	1	0	0	0	0	0
		3101017	1	0	0	0	0	0
		3101018	0	0	0	0	1	1
		3101019	1	4	1	1	0	0
		3101020	15	11	9	9	11	11
		3101021	1	0	0	0	0	0
		3101022	0	0	0	0	0	0
		3101023	0	0	0	0	0	0
		3101024	0	0	0	0	0	0
		3101025	1	0	0	0	0	0

Sheldon - Mount Cottor	301021011	3101101	6	0	0	0	0	0
		3101102	3	0	0	0	0	0
		3101103	2	0	0	0	0	0
		3101104	8	0	0	0	0	0
		3101105	3	0	0	0	0	0
		3101106	2	0	0	0	0	0
		3101107	4	0	0	0	0	0
		3101108	3	0	0	0	0	0
		3101109	2	0	0	0	0	0
		3101110	7	0	0	0	0	0
		3101111	11	0	0	0	0	0
		3101112	27	15	7	6	10	11
		3101113	51	98	81	45	45	45
		3101114	5	0	0	0	0	0
		3101115	30	15	7	6	10	11
		3101116	7	0	0	0	0	0

		3101201	7	8	5	4	0	0
		3101202	3	0	0	0	0	0

Thomlands	301021012	3101203	7	54	27	20	2	2
		3101204	4	0	0	0	0	0
		3101205	10	1	0	1	0	0
		3101206	3	0	0	0	0	0
		3101207	9	0	0	1	2	0
		3101208	15	9	9	9	9	9
		3101209	4	0	0	0	0	0
		3101210	4	0	0	0	0	0
		3101211	5	0	0	0	0	0
		3101212	3	0	0	0	0	0
		3101213	24	25	29	28	18	19
		3101214	3	0	0	0	0	0
		3101215	3	0	0	0	0	0
		3101216	2	0	0	0	0	0
		3101217	3	0	0	0	0	0
		3101218	2	0	0	0	0	0
		3101219	13	12	14	14	9	9
		3101220	2	0	0	0	0	0
		3101221	5	0	0	0	0	0
		3101222	2	0	0	0	0	0
		3101223	3	0	0	0	0	0
		3101224	2	0	0	0	0	0
		3101225	2	7	0	0	0	0
		3101226	20	45	27	24	18	18
		3101227	3	0	0	0	0	0
		3101228	4	0	0	0	0	0
		3101229	5	0	0	0	0	0

Victoria Point	301021013	3101301	2	0	0	0	0	0
		3101302	2	8	26	22	18	22
		3101303	2	8	26	22	19	22
		3101304	0	3	4	0	0	0
		3101305	6	15	42	22	19	21
		3101306	8	0	183	245	528	535
		3101307	2	0	0	0	0	0
		3101308	7	0	0	0	0	0
		3101309	2	0	0	0	0	0
		3101310	4	0	0	0	0	0
		3101311	8	0	0	0	0	0
		3101312	2	39	0	0	0	0
		3101313	2	0	0	0	0	0
		3101314	6	11	0	0	0	0
		3101315	7	14	5	0	0	0
		3101316	2	0	0	0	0	0
		3101317	0	0	3	4	0	0
		3101318	8	4	7	0	0	0
		3101319	7	0	0	0	0	0
		3101320	2	0	0	0	0	0
		3101321	2	0	0	0	0	0
		3101322	7	6	7	0	0	0
		3101323	0	3	5	0	0	0
		3101324	15	6	8	8	3	3
		3101325	2	12	0	0	0	0
		3101326	1	0	0	0	0	0
		3101327	2	2	7	3	0	0
		3101328	2	0	0	0	0	0
		3101329	0	0	0	0	0	0
		3101330	9	1	0	0	0	0
		3101331	10	11	8	8	3	3
		3101332	10	6	8	8	3	3
		3101333	10	6	8	8	3	3
		3101334	5	1	0	0	0	0
		3101335	2	27	0	0	0	0
		3101336	3	0	0	0	0	0

Total		2,328	2,356	2,745	2,639	2,965	2,341
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Redland Centre-Based Employment Projections by SA1, 2011-2041

REDLAND LGA

Name	SA2	Code	SA1	Forecast Additional Employment					
				2016	2021	2026	2031	2036	2041
Alexandra Hills	301011001		3100101	0	0	0	0	0	0
			3100102	0	0	0	0	0	0
			3100103	0	0	0	0	0	0
			3100104	0	0	0	0	0	0
			3100105	0	0	0	0	0	0
			3100106	0	0	0	0	0	0
			3100107	0	0	0	0	0	0
			3100108	0	0	0	0	0	0
			3100109	0	0	0	0	0	0
			3100110	0	0	0	0	0	0
			3100111	0	0	0	0	0	0
			3100112	0	0	0	0	0	0
			3100113	0	0	0	0	0	0
			3100114	0	0	0	0	0	0
			3100115	0	0	0	0	0	0
			3100116	0	0	0	0	0	0
			3100117	0	0	0	0	0	0
			3100118	0	0	0	0	0	0
			3100119	0	0	0	0	0	0
			3100120	0	0	0	0	0	0
			3100121	0	0	0	0	0	0
			3100122	0	0	0	0	0	0
			3100123	0	0	0	0	0	0
			3100124	0	0	0	0	0	0
			3100125	0	0	5	5	5	5
			3100126	0	0	0	0	0	0
			3100127	0	0	0	0	0	0
			3100128	0	0	0	0	0	0
			3100129	0	0	0	0	0	0
			3100130	0	0	0	0	0	0
			3100131	0	0	0	0	0	0
			3100132	0	0	0	0	0	0
			3100133	0	0	0	0	0	0
			3100134	0	0	0	0	0	0
			3100135	0	0	0	0	0	0
			3100136	0	0	0	0	0	0
			3100137	0	0	0	0	0	0
			3100138	0	0	0	0	0	0
			3100139	0	0	0	0	0	0
			3100140	0	0	0	0	0	0
			3100141	0	0	0	0	0	0
			3100142	0	0	0	0	0	0
			3100143	0	0	0	0	0	0
			3100144	0	0	0	0	0	0
			3100145	0	0	0	0	0	0
Birkdale	301011003		3100301	0	0	0	0	0	0
			3100302	0	0	0	0	0	0
			3100303	0	0	0	0	0	0
			3100304	0	0	0	0	0	0
			3100305	0	0	0	0	0	0
			3100306	0	0	0	0	0	0
			3100307	0	0	0	0	0	0
			3100308	0	0	0	0	0	0
			3100309	0	0	0	0	0	0
			3100310	0	0	0	0	0	0
			3100311	0	0	0	0	0	0
			3100312	0	0	0	0	0	0
			3100313	2	2	2	2	2	2
			3100314	0	0	0	0	0	0
			3100315	0	0	0	0	0	0
			3100316	0	0	0	0	0	0
			3100317	0	0	0	0	0	0
			3100318	0	0	0	0	0	0
			3100319	0	0	0	0	0	0
			3100320	0	0	0	0	0	0
			3100321	0	0	0	0	0	0
			3100322	0	0	0	0	0	0
			3100323	0	0	0	0	0	0
			3100324	0	0	0	0	0	0
			3100325	0	0	0	0	0	0
			3100326	0	0	0	0	0	0
			3100327	0	0	0	0	0	0
			3100328	0	0	0	0	0	0
			3100329	0	0	0	0	0	0
			3100330	0	0	0	0	0	0
			3100331	0	0	0	0	0	0
			3100332	0	0	0	0	0	0
			3100333	0	0	0	0	0	0
			3100334	0	0	0	0	0	0

	3100335	0	0	0	0	0	0
	3100336	0	0	0	0	0	0

Capalaba	301011004	3100401	0	0	0	0	0
		3100402	0	0	0	0	0
		3100403	105	105	105	105	105
		3100404	0	0	0	0	0
		3100405	0	0	0	0	0
		3100406	0	0	0	0	0
		3100407	379	379	379	379	379
		3100408	0	0	0	0	0
		3100409	0	0	0	0	0
		3100410	0	0	0	0	0
		3100411	0	0	0	0	0
		3100412	0	0	0	0	0
		3100413	0	0	0	0	0
		3100414	0	0	0	0	0
		3100415	0	0	0	0	0
		3100416	0	0	0	0	0
		3100417	0	0	0	0	0
		3100418	0	0	0	0	0
		3100419	0	0	0	0	0
		3100420	0	0	0	0	0
		3100421	0	0	0	0	0
		3100422	0	0	0	0	0
		3100423	0	0	0	0	0
		3100424	0	0	0	0	0
		3100425	0	0	0	0	0
		3100426	0	0	0	0	0
		3100427	0	0	0	0	0
		3100428	0	0	0	0	0
		3100429	0	0	0	0	0
		3100430	0	0	0	0	0
		3100431	0	0	0	0	0
		3100432	0	0	0	0	0
		3100433	0	0	0	0	0
		3100434	0	0	0	0	0
		3100435	0	0	0	0	0
		3100436	0	0	0	0	0
		3100437	0	0	0	0	0
		3100438	0	0	0	0	0
		3100439	0	0	0	0	0
		3100440	0	0	0	0	0
		3100441	0	0	0	0	0
		3100442	0	0	0	0	0
		3100443	0	0	0	0	0
		3100444	0	0	0	0	0

Thorneside	301011005	3100501	0	0	0	0	0
		3100502	0	0	0	0	0
		3100503	0	0	0	0	0
		3100504	0	0	0	0	0
		3100505	0	0	0	0	0
		3100506	0	0	0	0	0
		3100507	0	0	0	0	0
		3100508	0	0	0	0	0
		3100509	0	0	0	0	0
		3100510	0	0	0	0	0

Wellington Point	301011006	3100601	0	0	0	0	0
		3100602	0	0	0	0	0
		3100603	0	0	0	0	0
		3100604	0	0	0	0	0
		3100605	7	7	7	7	7
		3100606	0	0	0	0	0
		3100607	0	0	0	0	0
		3100608	0	0	0	0	0
		3100609	0	0	0	0	0
		3100610	0	0	0	0	0
		3100611	0	0	0	0	0
		3100612	0	0	0	0	0
		3100613	0	0	0	0	0
		3100614	0	0	0	0	0
		3100615	5	5	5	5	5
		3100616	0	0	0	0	0
		3100617	0	0	0	0	0
		3100618	0	0	0	0	0
		3100619	0	0	0	0	0
		3100620	0	0	0	0	0
		3100621	0	0	0	0	0
		3100622	0	0	0	0	0
		3100623	0	0	0	0	0
		3100624	0	0	0	0	0

Cleveland	301021007	3100701	0	0	0	0	0	0
		3100702	0	0	0	0	0	0
		3100703	1	1	1	1	1	1
		3100704	0	0	0	0	0	0
		3100705	0	0	0	0	0	0
		3100706	0	0	0	0	0	0
		3100707	0	0	0	0	0	0
		3100708	0	0	0	0	0	0
		3100709	0	0	0	0	0	0
		3100710	0	0	0	0	0	0
		3100711	0	0	0	0	0	0
		3100712	0	0	0	0	0	0
		3100713	0	0	0	0	0	0
		3100714	0	0	0	0	0	0
		3100715	0	0	0	0	0	0
		3100716	149	149	149	149	149	149
		3100717	0	0	0	0	0	0
		3100718	0	0	0	0	0	0
		3100719	0	0	0	0	0	0
		3100720	0	0	0	0	0	0
		3100721	0	0	0	0	0	0
		3100722	4	4	4	4	4	4
		3100723	0	0	0	0	0	0
		3100724	0	0	0	0	0	0
		3100725	5	85	105	25	5	5
		3100726	0	0	0	0	0	0
		3100727	308	308	308	308	308	308
		3100728	78	78	78	78	78	78
		3100729	0	0	0	0	0	0
		3100730	0	0	0	0	0	0
		3100731	0	0	0	0	0	0
		3100732	0	0	0	0	0	0
		3100733	0	0	0	0	0	0
		3100734	0	0	0	0	0	0
		3100735	0	0	0	0	0	0
		3100736	0	0	0	0	0	0
		3100737	0	0	0	0	0	0

Ormiston	301021008	3100801	0	0	0	0	0	0
		3100802	0	0	0	0	0	0
		3100803	0	0	0	0	0	0
		3100804	0	0	0	0	0	0
		3100805	0	0	0	0	0	0
		3100806	0	0	0	0	0	0
		3100807	0	0	0	0	0	0
		3100808	0	0	0	0	0	0
		3100809	0	0	0	0	0	0
		3100810	0	0	0	0	0	0
		3100811	0	0	0	0	0	0
		3100812	0	0	0	0	0	0

Redland Bay	301021009	3100901	0	0	0	0	0	0
		3100902	0	0	0	0	0	0
		3100903	0	0	0	0	0	0
		3100904	26	26	26	26	26	26
		3100905	0	0	0	0	0	0
		3100906	0	0	0	0	0	0
		3100907	0	0	0	0	0	0
		3100908	0	0	0	0	0	0
		3100909	0	0	0	0	0	0
		3100910	0	0	0	0	0	0
		3100911	0	0	0	0	0	0
		3100912	4	4	4	4	4	4
		3100913	0	0	0	0	0	0
		3100914	2	2	2	2	2	2
		3100915	0	0	0	0	0	0
		3100916	0	0	0	0	0	0
		3100917	0	0	0	0	0	0
		3100918	0	0	0	0	0	0
		3100919	0	0	0	0	0	0
		3100920	0	0	0	0	0	0
		3100921	0	0	0	0	0	0
		3100922	0	0	0	0	0	0
		3100923	0	0	0	0	0	0
		3100924	0	0	0	0	0	0
		3100925	0	0	0	0	0	0
		3100926	0	0	0	0	0	0
		3100927	0	54	90	36	0	0
		3100928	4	4	4	4	4	4
		3100929	0	0	0	0	0	0
		3100930	0	0	0	0	0	0

	3101001	0	0	0	0	0	0
	3101002	0	0	0	0	0	0
	3101003	4	4	4	4	4	4

Redland Islands	301021010	3101004	0	0	0	0	0	0
		3101005	0	0	0	0	1	0
		3101006	0	0	0	0	0	0
		3101007	0	0	0	0	0	0
		3101008	0	0	0	0	0	0
		3101009	0	0	0	0	0	0
		3101010	1	1	1	1	1	1
		3101011	3	3	3	3	3	3
		3101012	1	1	1	1	1	1
		3101013	0	0	0	0	0	0
		3101014	0	0	0	0	0	0
		3101015	0	0	0	0	0	0
		3101016	0	0	0	0	0	0
		3101017	0	0	0	0	0	0
		3101018	0	0	0	0	0	0
		3101019	0	0	0	0	0	0
		3101020	7	7	7	7	7	7
		3101021	0	0	0	0	0	0
		3101022	0	0	0	0	0	0
		3101023	0	0	0	0	0	0
		3101024	0	0	0	0	0	0
		3101025	0	0	0	0	0	0

Sheldon - Mount Cotton	301021011	3101101	0	0	0	0	0	0
		3101102	0	0	0	0	0	0
		3101103	0	0	0	0	0	0
		3101104	0	0	0	0	0	0
		3101105	0	0	0	0	0	0
		3101106	0	0	0	0	0	0
		3101107	0	0	0	0	0	0
		3101108	0	0	0	0	0	0
		3101109	0	0	0	0	0	0
		3101110	0	0	0	0	0	0
		3101111	0	0	0	0	0	0
		3101112	0	0	0	0	0	0
		3101113	45	45	45	45	45	45
		3101114	0	0	0	0	0	0
		3101115	0	0	0	0	0	0
		3101116	0	0	0	0	0	0

Thornlands	301021012	3101201	0	0	0	0	0	0
		3101202	0	0	0	0	0	0
		3101203	2	2	2	2	2	2
		3101204	0	0	0	0	0	0
		3101205	0	0	0	0	0	0
		3101206	0	0	0	0	0	0
		3101207	0	0	0	0	0	0
		3101208	9	9	9	9	9	9
		3101209	0	0	0	0	0	0
		3101210	0	0	0	0	0	0
		3101211	0	0	0	0	0	0
		3101212	0	0	0	0	0	0
		3101213	0	0	0	0	0	0
		3101214	0	0	0	0	0	0
		3101215	0	0	0	0	0	0
		3101216	0	0	0	0	0	0
		3101217	0	0	0	0	0	0
		3101218	0	0	0	0	0	0
		3101219	0	0	0	0	0	0
		3101220	0	0	0	0	0	0
		3101221	0	0	0	0	0	0
		3101222	0	0	0	0	0	0
		3101223	0	0	0	0	0	0
		3101224	0	0	0	0	0	0
		3101225	0	0	0	0	0	0
		3101226	5	5	5	5	5	5
		3101227	0	0	0	0	0	0
		3101228	0	0	0	0	0	0
		3101229	0	0	0	0	0	0

		3101301	1	0	0	0	0	0
		3101302	1	3	10	7	5	6
		3101303	1	3	10	7	6	6
		3101304	0	1	2	0	0	0
		3101305	1	6	16	7	5	6
		3101306	2	0	86	120	230	232
		3101307	1	0	0	0	0	0
		3101308	2	0	0	0	0	0
		3101309	1	0	0	0	0	0
		3101310	1	0	0	0	0	0
		3101311	3	0	0	0	0	0
		3101312	1	17	0	0	0	0
		3101313	1	0	0	0	0	0
		3101314	2	4	0	0	0	0
		3101315	2	6	2	0	0	0

Victoria Point	301021013	3101316	1	0	0	0	0	0
		3101317	0	0	1	1	0	0
		3101318	2	2	3	0	0	0
		3101319	2	0	0	0	0	0
		3101320	1	0	0	0	0	0
		3101321	1	0	0	0	0	0
		3101322	2	2	3	0	0	0
		3101323	0	1	2	0	0	0
		3101324	2	0	0	0	0	0
		3101325	1	5	0	0	0	0
		3101326	0	0	0	0	0	0
		3101327	1	1	3	1	0	0
		3101328	1	0	0	0	0	0
		3101329	0	0	0	0	0	0
		3101330	3	1	0	0	0	0
		3101331	1	2	0	0	0	0
		3101332	1	0	0	0	0	0
		3101333	1	0	0	0	0	0
		3101334	2	0	0	0	0	0
		3101335	1	11	0	0	0	0
		3101336	1	0	0	0	0	0
Total		1,200	1,355	1,489	1,360	1,408	1,411	

Redland Commercial Employment Projections by SA1, 2011-2041

REDLAND LGA

SA2		SA1	Forecast Additional Employment					
Name	Code		2016	2021	2026	2031	2036	2041
Alexandra Hills	301011001	3100101	1	0	0	0	0	0
		3100102	1	0	0	0	0	0
		3100103	3	0	0	0	0	0
		3100104	1	0	0	0	0	0
		3100105	1	0	0	0	0	0
		3100106	1	0	0	0	0	0
		3100107	1	0	0	0	0	0
		3100108	1	2	0	0	0	0
		3100109	1	0	0	0	0	0
		3100110	1	0	0	0	0	0
		3100111	2	0	0	0	0	0
		3100112	1	0	0	0	0	0
		3100113	1	0	0	0	0	0
		3100114	1	0	0	0	0	0
		3100115	2	0	0	0	0	0
		3100116	0	5	0	0	0	0
		3100117	0	5	1	0	0	0
		3100118	0	0	0	0	0	0
		3100119	1	0	0	0	0	0
		3100120	1	0	0	0	0	0
		3100121	1	0	0	0	0	0
		3100122	1	0	0	0	0	0
		3100123	1	0	0	0	0	0
		3100124	1	0	0	0	0	0
		3100125	1	0	0	0	0	0
		3100126	1	0	0	0	0	0
		3100127	1	0	0	0	0	0
		3100128	2	0	0	0	0	0
		3100129	1	0	0	0	0	0
		3100130	1	0	0	0	0	0
		3100131	2	0	0	0	0	0
		3100132	0	0	0	0	0	0
		3100133	1	0	0	0	0	0
		3100134	1	0	0	0	0	0
		3100135	1	0	0	0	0	0
		3100136	2	0	0	0	0	0
		3100137	1	0	0	0	0	0
		3100138	0	0	0	0	0	0
		3100139	2	0	0	0	0	0
		3100140	1	0	0	0	0	0
		3100141	1	0	0	0	0	0
		3100142	0	0	0	0	0	0
		3100143	0	0	0	0	0	0
		3100144	0	0	0	0	0	0
		3100145	1	3	1	3	0	0
		3100301	3	0	0	0	0	0
		3100302	3	0	0	0	0	0
		3100303	1	0	0	14	30	0
		3100304	3	1	1	0	0	0
		3100305	3	0	0	0	0	0

Birkdale	301011003	3100306	2	0	0	0	0	0
		3100307	2	9	1	0	0	0
		3100308	1	1	1	0	0	0
		3100309	2	0	0	0	0	0
		3100310	4	0	0	3	6	0
		3100311	3	0	0	0	0	0
		3100312	1	0	0	0	0	0
		3100313	3	2	0	0	0	0
		3100314	2	0	0	0	0	0
		3100315	2	0	0	0	0	0
		3100316	6	2	0	0	0	0
		3100317	2	1	1	0	0	0
		3100318	2	0	0	0	0	0
		3100319	2	0	0	0	0	0
		3100320	2	1	0	0	0	0
		3100321	2	1	0	0	0	0
		3100322	2	0	0	0	0	0
		3100323	3	0	0	0	0	0
		3100324	3	2	1	0	0	0
		3100325	4	0	0	0	0	0
		3100326	0	1	0	0	0	0
		3100327	0	0	0	0	0	0
		3100328	2	1	0	0	0	0
		3100329	1	0	0	0	0	0
		3100330	1	0	0	0	0	0
		3100331	1	0	0	0	0	0
		3100332	2	0	0	0	0	0
		3100333	2	0	0	0	0	0
		3100334	2	0	0	0	1	0
		3100335	2	1	1	2	0	0
		3100336	1	0	0	0	0	0

Capalaba	301011004	3100401	0	0	0	0	0	0
		3100402	2	0	0	0	0	0
		3100403	2	1	2	3	3	3
		3100404	2	0	0	0	0	0
		3100405	2	0	0	0	0	0
		3100406	1	0	0	0	0	0
		3100407	27	30	30	32	29	30
		3100408	1	0	0	0	0	0
		3100409	3	0	0	0	0	0
		3100410	2	1	0	0	0	0
		3100411	1	0	0	0	0	0
		3100412	0	0	0	0	0	0
		3100413	1	0	0	0	0	0
		3100414	1	0	0	0	0	0
		3100415	1	0	0	0	0	0
		3100416	1	0	0	0	0	0
		3100417	1	4	0	0	0	0
		3100418	0	0	0	0	0	0
		3100419	1	0	0	0	0	0
		3100420	1	0	0	0	0	0
		3100421	1	0	0	0	0	0
		3100422	0	0	0	0	0	0
		3100423	1	0	0	0	0	0
		3100424	0	0	0	0	0	0
		3100425	1	0	0	0	0	0
		3100426	2	0	0	0	14	14

	3100427	1	0	0	0	0	0
	3100428	1	0	0	0	0	0
	3100429	1	0	0	0	0	0
	3100430	1	0	0	0	0	0
	3100431	1	0	0	0	0	0
	3100432	0	0	0	0	0	0
	3100433	1	0	0	0	13	13
	3100434	1	2	2	0	0	0
	3100435	1	0	0	0	0	0
	3100436	0	1	1	0	0	0
	3100437	19	19	19	19	19	19
	3100438	3	1	1	0	0	0
	3100439	0	0	0	0	0	0
	3100440	2	0	0	0	0	0
	3100441	1	0	0	0	0	0
	3100442	2	4	2	0	0	0
	3100443	1	0	0	0	0	0
	3100444	1	1	0	0	0	0

	3100501	0	0	0	0	0	0
	3100502	2	0	0	0	0	0
	3100503	1	0	0	0	0	0
	3100504	1	0	0	0	0	0
	3100505	1	1	0	0	0	0
	3100506	0	0	0	0	0	0
	3100507	22	20	20	20	20	20
	3100508	1	0	0	0	0	0
	3100509	1	0	0	0	0	0
	3100510	0	0	0	0	0	0

	3100601	2	0	0	0	0	0
	3100602	1	0	0	0	0	0
	3100603	2	0	0	0	0	0
	3100604	4	1	1	0	0	0
	3100605	2	0	0	0	4	4
	3100606	3	0	0	0	0	0
	3100607	2	0	0	0	4	4
	3100608	3	3	2	0	0	0
	3100609	4	0	0	0	0	0
	3100610	2	0	0	0	0	0
	3100611	2	0	0	0	0	0
	3100612	3	0	0	0	0	0
	3100613	3	0	0	0	0	0
	3100614	5	1	1	0	0	0
	3100615	3	3	0	0	0	0
	3100616	4	1	1	0	0	0
	3100617	3	0	0	0	0	0
	3100618	5	2	0	0	0	0
	3100619	4	4	0	0	0	0
	3100620	2	0	0	0	0	0
	3100621	6	0	0	0	0	0
	3100622	3	0	0	0	0	0
	3100623	2	0	0	0	0	0
	3100624	0	0	0	0	53	53

	3100701	0	0	0	0	0	0
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Cleveland	301021007	3100702	0	0	0	0	0	0
		3100703	1	0	0	0	0	0
		3100704	1	0	0	0	0	0
		3100705	1	0	0	0	0	0
		3100706	2	0	0	0	0	0
		3100707	0	0	0	0	0	0
		3100708	0	2	0	0	0	0
		3100709	0	0	0	0	0	0
		3100710	1	1	0	0	0	0
		3100711	1	1	0	0	0	0
		3100712	0	1	0	1	0	0
		3100713	0	0	0	0	0	0
		3100714	0	0	0	0	0	0
		3100715	2	0	0	0	0	0
		3100716	0	1	1	2	2	2
		3100717	0	1	0	0	0	0
		3100718	0	0	0	0	0	0
		3100719	1	0	0	0	0	0
		3100720	1	0	0	1	0	0
		3100721	1	0	0	1	0	0
		3100722	0	1	1	2	2	2
		3100723	1	0	0	0	0	0
		3100724	0	0	0	0	0	0
		3100725	1	72	94	33	18	20
		3100726	1	1	1	2	2	2
		3100727	1	1	1	2	2	2
		3100728	0	0	0	0	0	0
		3100729	0	0	0	0	0	0
		3100730	1	0	0	0	0	0
		3100731	0	0	0	0	0	0
		3100732	0	0	0	0	0	0
		3100733	0	0	0	0	0	0
		3100734	0	1	1	2	2	2
		3100735	0	0	0	0	0	0
		3100736	0	1	0	0	0	0
		3100737	1	0	0	0	0	0

Ormiston	301021008	3100801	3	1	1	0	0	0
		3100802	1	0	0	0	0	0
		3100803	1	0	0	0	0	0
		3100804	3	5	2	1	0	0
		3100805	3	0	0	0	0	0
		3100806	2	2	0	0	0	0
		3100807	9	8	8	8	8	8
		3100808	13	10	9	10	9	9
		3100809	3	3	1	0	0	0
		3100810	4	0	0	0	0	0
		3100811	2	1	0	0	0	0
		3100812	3	0	0	0	0	0

	3100901	3	1	0	0	0	0
	3100902	4	0	0	0	0	0
	3100903	3	0	0	5	10	0
	3100904	5	0	0	1	2	0
	3100905	2	0	0	1	0	0
	3100906	3	0	0	0	0	0
	3100907	7	11	5	3	2	2

Redland Bay	301021009	3100908	4	0	0	0	2	2
		3100909	1	0	0	0	0	0
		3100910	1	0	0	0	0	0
		3100911	3	0	0	0	45	45
		3100912	3	0	0	0	0	0
		3100913	3	0	0	0	0	0
		3100914	5	32	3	6	0	0
		3100915	3	1	0	0	0	0
		3100916	3	0	0	0	0	0
		3100917	2	1	0	0	0	0
		3100918	8	0	0	0	0	0
		3100919	20	12	12	12	12	12
		3100920	4	1	0	0	0	0
		3100921	0	0	0	0	0	0
		3100922	3	0	0	0	0	0
		3100923	4	0	0	0	0	0
		3100924	5	0	0	0	0	0
		3100925	2	0	0	0	0	0
		3100926	17	14	14	14	14	14
		3100927	1	94	157	69	9	9
		3100928	4	5	3	4	0	0
		3100929	2	1	1	0	0	0
		3100930	2	0	0	0	0	0

Redland Islands	301021010	3101001	0	0	0	0	0	0
		3101002	0	8	0	0	0	0
		3101003	0	0	0	0	0	0
		3101004	0	0	0	0	0	0
		3101005	0	0	0	0	0	0
		3101006	0	0	0	0	0	0
		3101007	0	0	0	0	0	0
		3101008	0	0	0	0	0	0
		3101009	0	0	0	0	0	0
		3101010	0	0	0	0	0	0
		3101011	1	0	0	0	0	0
		3101012	0	0	0	0	0	0
		3101013	0	0	0	0	0	0
		3101014	1	0	0	0	0	0
		3101015	0	0	0	0	0	0
		3101016	1	0	0	0	0	0
		3101017	1	0	0	0	0	0
		3101018	0	0	0	0	1	1
		3101019	1	4	1	1	0	0
		3101020	2	0	0	0	0	0
		3101021	1	0	0	0	0	0
		3101022	0	0	0	0	0	0
		3101023	0	0	0	0	0	0
		3101024	0	0	0	0	0	0
		3101025	1	0	0	0	0	0

	3101101	6	0	0	0	0	0
	3101102	3	0	0	0	0	0
	3101103	2	0	0	0	0	0
	3101104	8	0	0	0	0	0
	3101105	3	0	0	0	0	0
	3101106	2	0	0	0	0	0
	3101107	4	0	0	0	0	0

Sheldon - Mount Cotto	301021011	3101108	3	0	0	0	0	0
		3101109	2	0	0	0	0	0
		3101110	7	0	0	0	0	0
		3101111	11	0	0	0	0	0
		3101112	2	0	0	0	0	0
		3101113	6	53	36	0	0	0
		3101114	5	0	0	0	0	0
		3101115	5	0	0	0	0	0
		3101116	7	0	0	0	0	0

Thornlands	301021012	3101201	7	8	5	4	0	0
		3101202	3	0	0	0	0	0
		3101203	5	52	25	18	0	0
		3101204	4	0	0	0	0	0
		3101205	10	1	0	1	0	0
		3101206	3	0	0	0	0	0
		3101207	9	0	0	1	2	0
		3101208	6	0	0	0	0	0
		3101209	4	0	0	0	0	0
		3101210	4	0	0	0	0	0
		3101211	5	0	0	0	0	0
		3101212	3	0	0	0	0	0
		3101213	4	0	0	0	0	0
		3101214	3	0	0	0	0	0
		3101215	3	0	0	0	0	0
		3101216	2	0	0	0	0	0
		3101217	3	0	0	0	0	0
		3101218	2	0	0	0	0	0
		3101219	4	0	0	0	0	0
		3101220	2	0	0	0	0	0
		3101221	5	0	0	0	0	0
		3101222	2	0	0	0	0	0
		3101223	3	0	0	0	0	0
		3101224	2	0	0	0	0	0
		3101225	2	7	0	0	0	0
		3101226	6	28	8	5	0	0
		3101227	3	0	0	0	0	0
		3101228	4	0	0	0	0	0
		3101229	5	0	0	0	0	0

		3101301	1	0	0	0	0	0
		3101302	1	3	9	10	10	12
		3101303	1	3	9	10	10	12
		3101304	0	2	1	0	0	0
		3101305	3	5	15	10	11	11
		3101306	4	0	60	78	195	200
		3101307	1	0	0	0	0	0
		3101308	3	0	0	0	0	0
		3101309	1	0	0	0	0	0
		3101310	2	0	0	0	0	0
		3101311	3	0	0	0	0	0
		3101312	1	13	0	0	0	0
		3101313	1	0	0	0	0	0
		3101314	2	4	0	0	0	0
		3101315	3	4	2	0	0	0
		3101316	1	0	0	0	0	0
		3101317	0	0	1	1	0	0

Victoria Point	301021013	3101318	4	1	2	0	0	0
		3101319	3	0	0	0	0	0
		3101320	1	0	0	0	0	0
		3101321	1	0	0	0	0	0
		3101322	3	2	2	0	0	0
		3101323	0	2	1	0	0	0
		3101324	3	0	0	0	0	0
		3101325	1	4	0	0	0	0
		3101326	1	0	0	0	0	0
		3101327	1	1	2	1	0	0
		3101328	1	0	0	0	0	0
		3101329	0	0	0	0	0	0
		3101330	4	0	0	0	0	0
		3101331	1	2	0	0	0	0
		3101332	1	0	0	0	0	0
		3101333	1	0	0	0	0	0
		3101334	2	0	0	0	0	0
		3101335	1	9	0	0	0	0
		3101336	2	0	0	0	0	0
Total		767	641	584	416	566	527	

Redland Industrial Employment Projections by SA1, 2011-2041

REDLAND LGA

SA2		SA1	Forecast Additional Employment					
Name	Code		2016	2021	2026	2031	2036	2041
Alexandra Hills	301011001	3100101	0	0	0	0	0	0
		3100102	0	0	0	0	0	0
		3100103	0	0	0	0	0	0
		3100104	0	0	0	0	0	0
		3100105	0	0	0	0	0	0
		3100106	0	0	0	0	0	0
		3100107	0	0	0	0	0	0
		3100108	0	0	0	0	0	0
		3100109	0	0	0	0	0	0
		3100110	0	0	0	0	0	0
		3100111	0	0	0	0	0	0
		3100112	0	0	0	0	0	0
		3100113	0	0	0	0	0	0
		3100114	0	0	0	0	0	0
		3100115	0	0	0	0	0	0
		3100116	0	0	0	0	0	0
		3100117	0	0	0	0	0	0
		3100118	0	0	0	0	0	0
		3100119	0	0	0	0	0	0
		3100120	0	0	0	0	0	0
		3100121	0	0	0	0	0	0
		3100122	0	0	0	0	0	0
		3100123	0	0	0	0	0	0
		3100124	0	0	0	0	0	0
		3100125	0	0	0	0	0	0
		3100126	0	0	0	0	0	0
		3100127	0	0	0	0	0	0
		3100128	0	0	0	0	0	0
		3100129	0	0	0	0	0	0
		3100130	0	0	0	0	0	0
		3100131	0	0	0	0	0	0
		3100132	0	0	0	0	0	0
		3100133	0	0	0	0	0	0
		3100134	0	0	0	0	0	0
		3100135	0	0	0	0	0	0
		3100136	0	0	0	0	0	0
		3100137	0	0	0	0	0	0
		3100138	0	0	0	0	0	0
		3100139	0	0	0	0	0	0
		3100140	0	0	0	0	0	0
		3100141	0	0	0	0	0	0
		3100142	0	0	0	0	0	0
		3100143	0	0	0	0	0	0
		3100144	0	0	0	0	0	0
		3100145	0	0	0	0	0	0
		3100301	0	0	0	0	0	0
		3100302	0	0	0	0	0	0
		3100303	0	0	0	0	0	0
		3100304	0	0	0	0	0	0
		3100305	0	0	0	0	0	0
		3100306	0	0	0	0	0	0
		3100307	0	0	0	0	0	0
		3100308	0	0	0	0	0	0
		3100309	0	0	0	0	0	0
		3100310	0	0	0	0	0	0
		3100311	0	0	0	0	0	0

Birkdale	301011003	3100312	0	0	0	0	0	0
		3100313	0	0	0	0	0	0
		3100314	0	0	0	0	0	0
		3100315	0	0	0	0	0	0
		3100316	0	0	0	0	0	0
		3100317	0	0	0	0	0	0
		3100318	0	0	0	0	0	0
		3100319	0	0	0	0	0	0
		3100320	0	0	0	0	0	0
		3100321	0	0	0	0	0	0
		3100322	0	0	0	0	0	0
		3100323	0	0	0	0	0	0
		3100324	0	0	0	0	0	0
		3100325	0	0	0	0	0	0
		3100326	0	0	0	0	0	0
		3100327	0	0	0	0	0	0
		3100328	0	0	0	0	0	0
		3100329	0	0	0	0	0	0
		3100330	0	0	0	0	0	0
		3100331	0	0	0	0	0	0
		3100332	0	0	0	0	0	0
		3100333	0	0	0	0	0	0
		3100334	0	0	0	0	0	0
		3100335	0	0	0	0	0	0
		3100336	0	0	0	0	0	0

Capalaba	301011004	3100401	0	0	0	0	0	0
		3100402	0	0	0	0	0	0
		3100403	0	0	0	0	0	0
		3100404	0	0	0	0	0	0
		3100405	0	0	0	0	0	0
		3100406	0	0	0	0	0	0
		3100407	0	0	0	0	0	0
		3100408	0	0	0	0	0	0
		3100409	0	0	0	0	0	0
		3100410	0	0	0	0	0	0
		3100411	4	6	4	4	4	4
		3100412	0	0	0	0	0	0
		3100413	0	0	0	0	0	0
		3100414	0	0	0	0	0	0
		3100415	0	0	0	0	0	0
		3100416	0	0	0	0	0	0
		3100417	0	0	0	0	0	0
		3100418	0	0	0	0	0	0
		3100419	0	0	0	0	0	0
		3100420	0	0	0	0	0	0
		3100421	0	0	0	0	0	0
		3100422	0	0	0	0	0	0
		3100423	0	0	0	0	0	0
		3100424	0	0	0	0	0	0
		3100425	0	0	0	0	0	0
		3100426	0	0	0	0	0	0
		3100427	0	0	0	0	0	0
		3100428	0	0	0	0	0	0
		3100429	0	0	0	0	0	0
		3100430	0	0	0	0	0	0
		3100431	0	0	0	0	0	0
		3100432	0	0	0	0	0	0
		3100433	0	0	0	0	0	0
		3100434	0	0	0	0	0	0
		3100435	0	0	0	0	0	0
		3100436	0	0	0	0	0	0
		3100437	4	4	4	4	4	4
		3100438	0	0	0	0	0	0

	3100439	0	0	0	0	0	0
	3100440	0	0	0	0	0	0
	3100441	0	0	0	0	0	0
	3100442	0	0	0	0	0	0
	3100443	0	0	0	0	0	0
	3100444	0	0	0	0	0	0

Thorneside	301011005	3100501	0	0	0	0	0
		3100502	0	0	0	0	0
		3100503	0	0	0	0	0
		3100504	0	0	0	0	0
		3100505	0	0	0	0	0
		3100506	0	0	0	0	0
		3100507	4	4	4	4	4
		3100508	0	0	0	0	0
		3100509	0	0	0	0	0
		3100510	0	0	0	0	0

Wellington Point	301011006	3100601	0	0	0	0	0
		3100602	0	0	0	0	0
		3100603	0	0	0	0	0
		3100604	0	0	0	0	0
		3100605	0	0	0	0	0
		3100606	0	0	0	0	0
		3100607	0	0	0	0	0
		3100608	0	0	0	0	0
		3100609	0	0	0	0	0
		3100610	0	0	0	0	0
		3100611	0	0	0	0	0
		3100612	0	0	0	0	0
		3100613	0	0	0	0	0
		3100614	0	0	0	0	0
		3100615	0	0	0	0	0
		3100616	0	0	0	0	0
		3100617	0	0	0	0	0
		3100618	0	0	0	0	0
		3100619	0	0	0	0	0
		3100620	0	0	0	0	0
		3100621	0	0	0	0	0
		3100622	0	0	0	0	0
		3100623	0	0	0	0	0
		3100624	0	0	0	0	0

Cleveland	301021007	3100701	0	0	0	0	0
		3100702	0	0	0	0	0
		3100703	0	0	0	0	0
		3100704	0	0	0	0	0
		3100705	0	0	0	0	0
		3100706	0	0	0	0	0
		3100707	0	0	0	0	0
		3100708	0	0	0	0	0
		3100709	0	0	0	0	0
		3100710	0	0	0	0	0
		3100711	0	0	0	0	0
		3100712	0	0	0	0	0
		3100713	0	0	0	0	0
		3100714	0	0	0	0	0
		3100715	0	0	0	0	0
		3100716	0	0	0	0	0
		3100717	0	0	0	0	0
		3100718	0	0	0	0	0
		3100719	0	0	0	0	0

	3100720	0	0	0	0	0	0
	3100721	0	0	0	0	0	0
	3100722	0	0	0	0	0	0
	3100723	0	0	0	0	0	0
	3100724	0	0	0	0	0	0
	3100725	0	0	0	0	0	0
	3100726	0	0	0	0	0	0
	3100727	0	0	0	0	0	0
	3100728	0	0	0	0	0	0
	3100729	47	47	47	47	47	47
	3100730	0	0	0	0	0	0
	3100731	0	0	0	0	0	0
	3100732	0	0	0	0	0	0
	3100733	0	0	0	0	0	0
	3100734	0	0	0	0	0	0
	3100735	0	0	0	0	0	0
	3100736	0	0	0	0	0	0
	3100737	0	0	0	0	0	0

Ormiston	301021008	3100801	0	0	0	0	0
		3100802	0	0	0	0	0
		3100803	0	0	0	0	0
		3100804	0	0	0	0	0
		3100805	0	0	0	0	0
		3100806	0	0	0	0	0
		3100807	0	0	0	0	0
		3100808	0	0	0	0	0
		3100809	0	0	0	0	0
		3100810	0	0	0	0	0
		3100811	0	0	0	0	0
		3100812	0	0	0	0	0

Redland Bay	301021009	3100901	0	0	0	0	0
		3100902	0	0	0	0	0
		3100903	0	0	0	0	0
		3100904	0	0	0	0	0
		3100905	0	0	0	0	0
		3100906	0	0	0	0	0
		3100907	0	0	0	0	0
		3100908	0	0	0	0	0
		3100909	0	0	0	0	0
		3100910	0	0	0	0	0
		3100911	27	27	27	27	27
		3100912	0	0	0	0	0
		3100913	0	0	0	0	0
		3100914	0	0	0	0	0
		3100915	0	0	0	0	0
		3100916	0	0	0	0	0
		3100917	0	0	0	0	0
		3100918	0	0	0	0	0
		3100919	0	0	0	0	0
		3100920	0	0	0	0	0
		3100921	0	0	0	0	0
		3100922	0	0	0	0	0
		3100923	0	0	0	0	0
		3100924	0	0	0	0	0
		3100925	0	0	0	0	0
		3100926	0	0	0	0	0
		3100927	0	0	0	0	0
		3100928	0	0	0	0	0
		3100929	0	0	0	0	0
		3100930	0	0	0	0	0

Redland Islands	301021010	3101001	0	0	0	0	0	0
		3101002	0	0	0	0	0	0
		3101003	0	0	0	0	0	0
		3101004	0	0	0	0	0	0
		3101005	0	0	0	0	0	0
		3101006	0	0	0	0	0	0
		3101007	0	0	0	0	0	0
		3101008	0	0	0	0	0	0
		3101009	0	0	0	0	0	0
		3101010	0	0	0	0	0	0
		3101011	0	0	0	0	0	0
		3101012	0	0	0	0	0	0
		3101013	0	0	0	0	0	0
		3101014	0	0	0	0	0	0
		3101015	1	1	1	1	1	1
		3101016	0	0	0	0	0	0
		3101017	0	0	0	0	0	0
		3101018	0	0	0	0	0	0
		3101019	0	0	0	0	0	0
		3101020	0	0	0	0	0	0
		3101021	0	0	0	0	0	0
		3101022	0	0	0	0	0	0
		3101023	0	0	0	0	0	0
		3101024	0	0	0	0	0	0
		3101025	0	0	0	0	0	0

Sheldon - Mount Cotto	301021011	3101101	0	0	0	0	0	0
		3101102	0	0	0	0	0	0
		3101103	0	0	0	0	0	0
		3101104	0	0	0	0	0	0
		3101105	0	0	0	0	0	0
		3101106	0	0	0	0	0	0
		3101107	0	0	0	0	0	0
		3101108	0	0	0	0	0	0
		3101109	0	0	0	0	0	0
		3101110	0	0	0	0	0	0
		3101111	0	0	0	0	0	0
		3101112	0	0	0	0	0	0
		3101113	0	0	0	0	0	0
		3101114	0	0	0	0	0	0
		3101115	0	0	0	0	0	0
		3101116	0	0	0	0	0	0

Thornlands	301021012	3101201	0	0	0	0	0	0
		3101202	0	0	0	0	0	0
		3101203	0	0	0	0	0	0
		3101204	0	0	0	0	0	0
		3101205	0	0	0	0	0	0
		3101206	0	0	0	0	0	0
		3101207	0	0	0	0	0	0
		3101208	0	0	0	0	0	0
		3101209	0	0	0	0	0	0
		3101210	0	0	0	0	0	0
		3101211	0	0	0	0	0	0
		3101212	0	0	0	0	0	0
		3101213	0	0	0	0	0	0
		3101214	0	0	0	0	0	0
		3101215	0	0	0	0	0	0
		3101216	0	0	0	0	0	0
		3101217	0	0	0	0	0	0
		3101218	0	0	0	0	0	0
		3101219	0	0	0	0	0	0

	3101220	0	0	0	0	0	0
	3101221	0	0	0	0	0	0
	3101222	0	0	0	0	0	0
	3101223	0	0	0	0	0	0
	3101224	0	0	0	0	0	0
	3101225	0	0	0	0	0	0
	3101226	0	0	0	0	0	0
	3101227	0	0	0	0	0	0
	3101228	0	0	0	0	0	0
	3101229	0	0	0	0	0	0

	3101301	0	0	0	0	0	0
	3101302	0	0	0	0	0	0
	3101303	0	0	0	0	0	0
	3101304	0	0	0	0	0	0
	3101305	0	0	0	0	0	0
	3101306	0	0	0	0	0	0
	3101307	0	0	0	0	0	0
	3101308	0	0	0	0	0	0
	3101309	0	0	0	0	0	0
	3101310	0	0	0	0	0	0
	3101311	0	0	0	0	0	0
	3101312	0	0	0	0	0	0
	3101313	0	0	0	0	0	0
	3101314	0	0	0	0	0	0
	3101315	0	0	0	0	0	0
	3101316	0	0	0	0	0	0
	3101317	0	0	0	0	0	0
Victoria Point	3101318	0	0	0	0	0	0
	3101319	0	0	0	0	0	0
	3101320	0	0	0	0	0	0
	3101321	0	0	0	0	0	0
	3101322	0	0	0	0	0	0
	3101323	0	0	0	0	0	0
	3101324	0	0	0	0	0	0
	3101325	0	0	0	0	0	0
	3101326	0	0	0	0	0	0
	3101327	0	0	0	0	0	0
	3101328	0	0	0	0	0	0
	3101329	0	0	0	0	0	0
	3101330	0	0	0	0	0	0
	3101331	0	0	0	0	0	0
	3101332	0	0	0	0	0	0
	3101333	0	0	0	0	0	0
	3101334	0	0	0	0	0	0
	3101335	0	0	0	0	0	0
	3101336	0	0	0	0	0	0

Total		87	89	87	87	87	87
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Redland Education Employment Projections by SA1, 2011-2041

REDLAND LGA

SA2		SA1	Forecast Additional Employment					
Name	Code		2016	2021	2026	2031	2036	2041
Alexandra Hills	301011001	3100101	0	0	0	0	0	0
		3100102	0	0	0	0	0	0
		3100103	2	2	2	2	0	0
		3100104	0	0	0	0	0	0
		3100105	0	0	0	0	0	0
		3100106	0	0	0	0	0	0
		3100107	0	0	0	0	0	0
		3100108	0	0	0	0	0	0
		3100109	0	0	0	0	0	0
		3100110	0	0	0	0	0	0
		3100111	0	0	0	0	0	0
		3100112	0	0	0	0	0	0
		3100113	0	0	0	0	0	0
		3100114	0	0	0	0	0	0
		3100115	0	0	0	0	0	0
		3100116	2	2	2	2	0	0
		3100117	0	0	0	0	0	0
		3100118	0	0	0	0	0	0
		3100119	0	0	0	0	0	0
		3100120	2	2	2	2	0	0
		3100121	0	0	0	0	0	0
		3100122	0	0	0	0	0	0
		3100123	0	0	0	0	0	0
		3100124	0	0	0	0	0	0
		3100125	0	0	0	0	0	0
		3100126	0	0	0	0	0	0
		3100127	0	0	0	0	0	0
		3100128	0	0	0	0	0	0
		3100129	0	0	0	0	0	0
		3100130	0	0	0	0	0	0
		3100131	0	0	0	0	0	0
		3100132	0	0	0	0	0	0
		3100133	2	2	2	2	0	0
		3100134	0	0	0	0	0	0
		3100135	0	0	0	0	0	0
		3100136	0	0	0	0	0	0
		3100137	0	0	0	0	0	0
		3100138	0	0	0	0	0	0
		3100139	0	0	0	0	0	0
		3100140	0	0	0	0	0	0
		3100141	0	0	0	0	0	0
		3100142	0	0	0	0	0	0
		3100143	0	0	0	0	0	0
		3100144	0	0	0	0	0	0
		3100145	0	0	0	0	0	0
		3100301	0	0	0	0	0	0
		3100302	0	0	0	0	0	0
		3100303	0	0	0	0	0	0

Birkdale	301011003	3100304	3	4	3	2	1	1
		3100305	0	0	0	0	0	0
		3100306	0	0	0	0	0	0
		3100307	0	0	0	0	0	0
		3100308	0	0	0	0	0	0
		3100309	0	0	0	0	0	0
		3100310	0	0	0	0	0	0
		3100311	3	4	3	2	1	1
		3100312	0	0	0	0	0	0
		3100313	0	0	0	0	0	0
		3100314	0	0	0	0	0	0
		3100315	0	0	0	0	0	0
		3100316	0	0	0	0	0	0
		3100317	0	0	0	0	0	0
		3100318	0	0	0	0	0	0
		3100319	0	0	0	0	0	0
		3100320	0	0	0	0	0	0
		3100321	0	0	0	0	0	0
		3100322	0	0	0	0	0	0
		3100323	0	0	0	0	0	0
		3100324	0	0	0	0	0	0
		3100325	0	0	0	0	0	0
		3100326	0	0	0	0	0	0
		3100327	0	0	0	0	0	0
		3100328	0	0	0	0	0	0
		3100329	0	0	0	0	0	0
		3100330	0	0	0	0	0	0
		3100331	0	0	0	0	0	0
		3100332	0	0	0	0	0	0
		3100333	0	0	0	0	0	0
		3100334	0	0	0	0	0	0
		3100335	0	0	0	0	0	0
		3100336	3	4	3	2	1	1

Canalaha	301011004	3100401	0	0	0	0	0	0
		3100402	0	0	0	0	0	0
		3100403	0	0	0	0	0	0
		3100404	0	0	0	0	0	0
		3100405	0	0	0	0	0	0
		3100406	0	0	0	0	0	0
		3100407	0	0	0	0	0	0
		3100408	0	0	0	0	0	0
		3100409	0	0	0	0	0	0
		3100410	0	0	0	0	0	0
		3100411	0	0	0	0	0	0
		3100412	3	12	8	5	9	10
		3100413	0	0	0	0	0	0
		3100414	0	0	0	0	0	0
		3100415	0	0	0	0	0	0
		3100416	0	0	0	0	0	0
		3100417	0	0	0	0	0	0
		3100418	0	0	0	0	0	0
		3100419	0	0	0	0	0	0
		3100420	0	0	0	0	0	0
		3100421	0	0	0	0	0	0
		3100422	0	0	0	0	0	0

Capeann	301011004	3100423	0	0	0	0	0	0
		3100424	0	0	0	0	0	0
		3100425	0	0	0	0	0	0
		3100426	0	0	0	0	0	0
		3100427	0	0	0	0	0	0
		3100428	0	0	0	0	0	0
		3100429	0	0	0	0	0	0
		3100430	0	0	0	0	0	0
		3100431	0	0	0	0	0	0
		3100432	0	0	0	0	0	0
		3100433	0	0	0	0	0	0
		3100434	0	0	0	0	0	0
		3100435	0	0	0	0	0	0
		3100436	0	0	0	0	0	0
		3100437	0	0	0	0	0	0
		3100438	0	0	0	0	0	0
		3100439	0	0	0	0	0	0
		3100440	0	0	0	0	0	0
		3100441	0	0	0	0	0	0
		3100442	3	12	8	5	9	10
		3100443	0	0	0	0	0	0
		3100444	0	0	0	0	0	0

Thorneside	301011005	3100501	0	0	0	0	0	0
		3100502	0	0	0	0	0	0
		3100503	0	0	0	0	0	0
		3100504	0	0	0	0	0	0
		3100505	0	0	0	0	0	0
		3100506	0	0	0	0	0	0
		3100507	0	0	0	0	0	0
		3100508	0	0	0	0	0	0
		3100509	0	0	0	0	0	0
		3100510	0	0	0	0	0	0

Wellington Point	301011006	3100601	0	0	0	0	0	0
		3100602	0	0	0	0	0	0
		3100603	0	0	0	0	0	0
		3100604	0	0	0	0	0	0
		3100605	0	0	0	0	0	0
		3100606	21	18	16	10	7	8
		3100607	0	0	0	0	0	0
		3100608	0	0	0	0	0	0
		3100609	0	0	0	0	0	0
		3100610	0	0	0	0	0	0
		3100611	0	0	0	0	0	0
		3100612	0	0	0	0	0	0
		3100613	0	0	0	0	0	0
		3100614	0	0	0	0	0	0
		3100615	0	0	0	0	0	0
		3100616	0	0	0	0	0	0
		3100617	0	0	0	0	0	0
		3100618	0	0	0	0	0	0
		3100619	0	0	0	0	0	0
		3100620	0	0	0	0	0	0
		3100621	0	0	0	0	0	0

	3100622	0	0	0	0	0	0
	3100623	0	0	0	0	0	0
	3100624	0	0	0	0	0	0

Cleveland	301021007	3100701	0	0	0	0	0	0
		3100702	0	0	0	0	0	0
		3100703	0	0	0	0	0	0
		3100704	0	0	0	0	0	0
		3100705	0	0	0	0	0	0
		3100706	0	0	0	0	0	0
		3100707	0	0	0	0	0	0
		3100708	0	0	0	0	0	0
		3100709	0	0	0	0	0	0
		3100710	0	0	0	0	0	0
		3100711	0	0	0	0	0	0
		3100712	0	0	0	0	0	0
		3100713	0	0	0	0	0	0
		3100714	0	0	0	0	0	0
		3100715	0	0	0	0	0	0
		3100716	9	9	9	9	6	7
		3100717	0	0	0	0	0	0
		3100718	0	0	0	0	0	0
		3100719	0	0	0	0	0	0
		3100720	0	0	0	0	0	0
		3100721	0	0	0	0	0	0
		3100722	0	0	0	0	0	0
		3100723	0	0	0	0	0	0
		3100724	0	0	0	0	0	0
		3100725	9	9	9	9	6	7
		3100726	0	0	0	0	0	0
		3100727	9	9	9	9	6	7
		3100728	0	0	0	0	0	0
		3100729	0	0	0	0	0	0
		3100730	0	0	0	0	0	0
		3100731	0	0	0	0	0	0
		3100732	0	0	0	0	0	0
		3100733	0	0	0	0	0	0
		3100734	0	0	0	0	0	0
		3100735	0	0	0	0	0	0
		3100736	0	0	0	0	0	0
		3100737	0	0	0	0	0	0

Ormiston	301021008	3100801	0	0	0	0	0	0
		3100802	0	0	0	0	0	0
		3100803	0	0	0	0	0	0
		3100804	16	7	6	4	4	4
		3100805	0	0	0	0	0	0
		3100806	0	0	0	0	0	0
		3100807	0	0	0	0	0	0
		3100808	0	0	0	0	0	0
		3100809	0	0	0	0	0	0
		3100810	0	0	0	0	0	0
		3100811	0	0	0	0	0	0
		3100812	16	7	6	4	4	4

Redland Bay	301021009	3100901	0	0	0	0	0
		3100902	0	0	0	0	0
		3100903	0	0	0	0	0
		3100904	0	0	0	0	0
		3100905	0	0	0	0	0
		3100906	0	0	0	0	0
		3100907	0	0	0	0	0
		3100908	0	0	0	0	0
		3100909	0	0	0	0	0
		3100910	0	0	0	0	0
		3100911	0	0	0	0	0
		3100912	0	0	0	0	0
		3100913	0	0	0	0	0
		3100914	0	0	0	0	0
		3100915	0	0	0	0	0
		3100916	0	0	0	0	0
		3100917	0	0	0	0	0
		3100918	0	0	0	0	0
		3100919	9	13	10	6	4
		3100920	0	0	0	0	0
		3100921	0	0	0	0	0
		3100922	0	0	0	0	0
		3100923	0	0	0	0	0
		3100924	0	0	0	0	0
		3100925	0	0	0	0	0
		3100926	0	0	0	0	0
		3100927	0	0	0	0	0
		3100928	0	0	0	0	0
		3100929	0	0	0	0	0
		3100930	0	0	0	0	0

Redland Islands	301021010	3101001	0	0	0	0	0
		3101002	0	0	0	0	0
		3101003	0	0	0	0	0
		3101004	0	0	0	0	0
		3101005	0	0	0	0	0
		3101006	0	0	0	0	0
		3101007	0	0	0	0	0
		3101008	0	0	0	0	0
		3101009	0	0	0	0	0
		3101010	6	4	2	2	4
		3101011	0	0	0	0	0
		3101012	0	0	0	0	0
		3101013	0	0	0	0	0
		3101014	6	5	2	2	4
		3101015	0	0	0	0	0
		3101016	0	0	0	0	0
		3101017	0	0	0	0	0
		3101018	0	0	0	0	0
		3101019	0	0	0	0	0
		3101020	6	4	2	2	4
		3101021	0	0	0	0	0
		3101022	0	0	0	0	0
		3101023	0	0	0	0	0
		3101024	0	0	0	0	0

	3101025	0	0	0	0	0	0
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Sheldon - Mount Cotto	3101101	0	0	0	0	0	0
	3101102	0	0	0	0	0	0
	3101103	0	0	0	0	0	0
	3101104	0	0	0	0	0	0
	3101105	0	0	0	0	0	0
	3101106	0	0	0	0	0	0
	3101107	0	0	0	0	0	0
	3101108	0	0	0	0	0	0
	3101109	0	0	0	0	0	0
	3101110	0	0	0	0	0	0
	3101111	0	0	0	0	0	0
	3101112	25	15	7	6	10	11
	3101113	0	0	0	0	0	0
	3101114	0	0	0	0	0	0
	3101115	25	15	7	6	10	11
	3101116	0	0	0	0	0	0

Thornlands	3101201	0	0	0	0	0	0
	3101202	0	0	0	0	0	0
	3101203	0	0	0	0	0	0
	3101204	0	0	0	0	0	0
	3101205	0	0	0	0	0	0
	3101206	0	0	0	0	0	0
	3101207	0	0	0	0	0	0
	3101208	0	0	0	0	0	0
	3101209	0	0	0	0	0	0
	3101210	0	0	0	0	0	0
	3101211	0	0	0	0	0	0
	3101212	0	0	0	0	0	0
	3101213	20	25	29	28	18	19
	3101214	0	0	0	0	0	0
	3101215	0	0	0	0	0	0
	3101216	0	0	0	0	0	0
	3101217	0	0	0	0	0	0
	3101218	0	0	0	0	0	0
	3101219	9	12	14	14	9	9
	3101220	0	0	0	0	0	0
	3101221	0	0	0	0	0	0
	3101222	0	0	0	0	0	0
	3101223	0	0	0	0	0	0
	3101224	0	0	0	0	0	0
	3101225	0	0	0	0	0	0
	3101226	9	12	14	14	13	13
	3101227	0	0	0	0	0	0
	3101228	0	0	0	0	0	0
	3101229	0	0	0	0	0	0

	3101301	0	0	0	0	0	0
	3101302	0	1	3	2	1	2
	3101303	0	1	3	2	1	2
	3101304	0	0	0	0	0	0
	3101305	1	2	5	2	1	2

Victoria Point	301021013	3101306	1	0	25	34	67	67
		3101307	0	0	0	0	0	0
		3101308	1	0	0	0	0	0
		3101309	0	0	0	0	0	0
		3101310	0	0	0	0	0	0
		3101311	1	0	0	0	0	0
		3101312	0	5	0	0	0	0
		3101313	0	0	0	0	0	0
		3101314	1	1	0	0	0	0
		3101315	1	2	0	0	0	0
		3101316	0	0	0	0	0	0
		3101317	0	0	0	1	0	0
		3101318	1	0	1	0	0	0
		3101319	1	0	0	0	0	0
		3101320	0	0	0	0	0	0
		3101321	0	0	0	0	0	0
		3101322	1	1	1	0	0	0
		3101323	0	0	1	0	0	0
		3101324	9	6	8	8	3	3
		3101325	0	1	0	0	0	0
		3101326	0	0	0	0	0	0
		3101327	0	0	1	0	0	0
		3101328	0	0	0	0	0	0
		3101329	0	0	0	0	0	0
		3101330	1	0	0	0	0	0
		3101331	8	6	8	8	3	3
		3101332	8	6	8	8	3	3
		3101333	8	6	8	8	3	3
		3101334	0	0	0	0	0	0
		3101335	0	3	0	0	0	0
		3101336	0	0	0	0	0	0
Total		261	249	247	222	212	224	

Redland Health Employment Projections by SA1, 2011-2041

REDLAND LGA

SA2		SA1	Forecast Additional Employment					
Name	Code		2016	2021	2026	2031	2036	2041
Alexandra Hills	301011001	3100101	0	0	0	0	0	0
		3100102	0	0	0	0	0	0
		3100103	0	0	0	0	0	0
		3100104	0	0	0	0	0	0
		3100105	0	0	0	0	0	0
		3100106	0	0	0	0	0	0
		3100107	0	0	0	0	0	0
		3100108	0	0	0	0	0	0
		3100109	0	0	0	0	0	0
		3100110	0	0	0	0	0	0
		3100111	0	0	0	0	0	0
		3100112	0	0	0	0	0	0
		3100113	0	0	0	0	0	0
		3100114	0	0	0	0	0	0
		3100115	0	0	0	0	0	0
		3100116	0	0	0	0	0	0
		3100117	0	0	0	0	0	0
		3100118	0	0	0	0	0	0
		3100119	0	0	0	0	0	0
		3100120	0	0	0	0	0	0
		3100121	0	0	0	0	0	0
		3100122	0	0	0	0	0	0
		3100123	0	0	0	0	0	0
		3100124	0	0	0	0	0	0
		3100125	0	0	0	0	0	0
		3100126	0	0	0	0	0	0
		3100127	0	0	0	0	0	0
		3100128	0	0	0	0	0	0
		3100129	0	0	0	0	0	0
		3100130	0	0	0	0	0	0
		3100131	0	0	0	0	0	0
		3100132	0	0	0	0	0	0
		3100133	0	0	0	0	0	0
		3100134	0	0	0	0	0	0
		3100135	0	0	0	0	0	0
		3100136	0	0	0	0	0	0
		3100137	0	0	0	0	0	0
		3100138	0	0	0	0	0	0
		3100139	0	0	0	0	0	0
		3100140	0	0	0	0	0	0
		3100141	0	0	0	0	0	0
		3100142	0	0	0	0	0	0
		3100143	0	0	0	0	0	0
		3100144	0	0	0	0	0	0
		3100145	0	0	0	0	0	0
		3100301	0	0	0	0	0	
		3100302	0	0	0	0	0	
		3100303	0	0	0	0	0	
		3100304	0	0	0	0	0	
		3100305	0	0	0	0	0	

Birkdale	301011003	3100306	0	0	0	0	0	0
		3100307	0	0	0	0	0	0
		3100308	0	0	0	0	0	0
		3100309	0	0	0	0	0	0
		3100310	0	0	0	0	0	0
		3100311	0	0	0	0	0	0
		3100312	0	0	0	0	0	0
		3100313	0	0	0	0	0	0
		3100314	0	0	0	0	0	0
		3100315	0	0	0	0	0	0
		3100316	0	0	0	0	0	0
		3100317	0	0	0	0	0	0
		3100318	0	0	0	0	0	0
		3100319	0	0	0	0	0	0
		3100320	0	0	0	0	0	0
		3100321	0	0	0	0	0	0
		3100322	0	0	0	0	0	0
		3100323	0	0	0	0	0	0
		3100324	0	0	0	0	0	0
		3100325	0	0	0	0	0	0
		3100326	0	0	0	0	0	0
		3100327	0	0	0	0	0	0
		3100328	0	0	0	0	0	0
		3100329	0	0	0	0	0	0
		3100330	0	0	0	0	0	0
		3100331	0	0	0	0	0	0
		3100332	0	0	0	0	0	0
		3100333	0	0	0	0	0	0
		3100334	0	0	0	0	0	0
		3100335	0	0	0	0	0	0
		3100336	0	0	0	0	0	0

Capalaba	301011004	3100401	0	0	0	0	0	0
		3100402	0	0	0	0	0	0
		3100403	0	0	4	6	10	10
		3100404	0	0	0	0	0	0
		3100405	0	0	0	0	0	0
		3100406	0	0	0	0	0	0
		3100407	0	0	4	6	10	10
		3100408	0	0	0	0	0	0
		3100409	0	0	0	0	0	0
		3100410	0	0	0	0	0	0
		3100411	0	0	0	0	0	0
		3100412	0	0	0	0	0	0
		3100413	0	0	0	0	0	0
		3100414	0	0	0	0	0	0
		3100415	0	0	0	0	0	0
		3100416	0	0	0	0	0	0
		3100417	0	0	0	0	0	0
		3100418	0	0	0	0	0	0
		3100419	0	0	0	0	0	0
		3100420	0	0	0	0	0	0
		3100421	0	0	0	0	0	0
		3100422	0	0	0	0	0	0
		3100423	0	0	0	0	0	0
		3100424	0	0	0	0	0	0
		3100425	0	0	0	0	0	0
		3100426	0	0	0	0	0	0

	3100427	0	0	0	0	0	0
	3100428	0	0	0	0	0	0
	3100429	0	0	0	0	0	0
	3100430	0	0	0	0	0	0
	3100431	0	0	0	0	0	0
	3100432	0	0	0	0	0	0
	3100433	0	0	0	0	0	0
	3100434	0	0	0	0	0	0
	3100435	0	0	0	0	0	0
	3100436	0	0	0	0	0	0
	3100437	0	0	0	0	0	0
	3100438	0	0	0	0	0	0
	3100439	0	0	0	0	0	0
	3100440	0	0	0	0	0	0
	3100441	0	0	0	0	0	0
	3100442	0	0	0	0	0	0
	3100443	0	0	0	0	0	0
	3100444	0	0	0	0	0	0

Thorneside	301011005	3100501	0	0	0	0	0
		3100502	0	0	0	0	0
		3100503	0	0	0	0	0
		3100504	0	0	0	0	0
		3100505	0	0	0	0	0
		3100506	0	0	0	0	0
		3100507	0	0	0	0	0
		3100508	0	0	0	0	0
		3100509	0	0	0	0	0
		3100510	0	0	0	0	0

Wellington Point	301011006	3100601	0	0	0	0	0
		3100602	0	0	0	0	0
		3100603	0	0	0	0	0
		3100604	0	0	0	0	0
		3100605	0	0	0	0	0
		3100606	0	0	0	0	0
		3100607	0	0	0	0	0
		3100608	0	0	0	0	0
		3100609	0	0	0	0	0
		3100610	0	0	0	0	0
		3100611	0	0	0	0	0
		3100612	0	0	0	0	0
		3100613	0	0	0	0	0
		3100614	0	0	0	0	0
		3100615	0	0	0	0	0
		3100616	0	0	0	0	0
		3100617	0	0	0	0	0
		3100618	0	0	0	0	0
		3100619	0	0	0	0	0
		3100620	0	0	0	0	0
		3100621	0	0	0	0	0
		3100622	0	0	0	0	0
		3100623	0	0	0	0	0
		3100624	0	0	0	0	0

	3100701	0	0	0	0	0	0
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Cleveland	301021007	3100702	0	0	0	0	0	0
		3100703	0	0	0	0	0	0
		3100704	0	0	0	0	0	0
		3100705	0	0	0	0	0	0
		3100706	0	0	0	0	0	0
		3100707	0	0	0	0	0	0
		3100708	0	0	0	0	0	0
		3100709	0	0	0	0	0	0
		3100710	0	0	0	0	0	0
		3100711	0	0	0	0	0	0
		3100712	0	0	0	0	0	0
		3100713	0	0	285	500	600	0
		3100714	0	0	0	0	0	0
		3100715	0	0	0	0	0	0
		3100716	0	0	4	6	10	10
		3100717	0	0	0	0	0	0
		3100718	0	0	0	0	0	0
		3100719	0	0	0	0	0	0
		3100720	0	0	0	0	0	0
		3100721	0	0	0	0	0	0
		3100722	0	0	0	0	0	0
		3100723	0	0	0	0	0	0
		3100724	0	0	0	0	0	0
		3100725	0	0	0	0	0	0
		3100726	0	0	0	0	0	0
		3100727	0	0	4	6	10	10
		3100728	0	0	4	6	10	10
		3100729	0	0	0	0	0	0
		3100730	0	0	0	0	0	0
		3100731	0	0	0	0	0	0
		3100732	0	0	0	0	0	0
		3100733	0	0	0	0	0	0
		3100734	0	0	0	0	0	0
		3100735	0	0	0	0	0	0
		3100736	0	0	0	0	0	0
		3100737	0	0	0	0	0	0

Ormiston	301021008	3100801	0	0	0	0	0	0
		3100802	0	0	0	0	0	0
		3100803	0	0	0	0	0	0
		3100804	0	0	0	0	0	0
		3100805	0	0	0	0	0	0
		3100806	0	0	0	0	0	0
		3100807	0	0	0	0	0	0
		3100808	0	0	0	0	0	0
		3100809	0	0	0	0	0	0
		3100810	0	0	0	0	0	0
		3100811	0	0	0	0	0	0
		3100812	0	0	0	0	0	0

	3100901	0	0	0	0	0	0
	3100902	0	0	0	0	0	0
	3100903	0	0	0	0	0	0
	3100904	0	0	0	0	0	0
	3100905	0	0	0	0	0	0
	3100906	0	0	0	0	0	0
	3100907	0	0	0	0	0	0

Redland Bay	301021009	3100908	0	0	0	0	0	0
		3100909	0	0	0	0	0	0
		3100910	0	0	0	0	0	0
		3100911	0	0	0	0	0	0
		3100912	0	0	0	0	0	0
		3100913	0	0	0	0	0	0
		3100914	0	0	0	0	0	0
		3100915	0	0	0	0	0	0
		3100916	0	0	0	0	0	0
		3100917	0	0	0	0	0	0
		3100918	0	0	0	0	0	0
		3100919	0	0	0	0	0	0
		3100920	0	0	0	0	0	0
		3100921	0	0	0	0	0	0
		3100922	0	0	0	0	0	0
		3100923	0	0	0	0	0	0
		3100924	0	0	0	0	0	0
		3100925	0	0	0	0	0	0
		3100926	0	0	0	0	0	0
		3100927	0	0	0	0	0	0
		3100928	0	0	0	0	0	0
		3100929	0	0	0	0	0	0
		3100930	0	0	0	0	0	0

Redland Islands	301021010	3101001	0	0	0	0	0	0
		3101002	0	0	0	0	0	0
		3101003	0	0	0	0	0	0
		3101004	0	0	0	0	0	0
		3101005	0	0	0	0	0	0
		3101006	0	0	0	0	0	0
		3101007	0	0	0	0	0	0
		3101008	0	0	0	0	0	0
		3101009	0	0	0	0	0	0
		3101010	0	0	0	0	0	0
		3101011	0	0	0	0	0	0
		3101012	0	0	0	0	0	0
		3101013	0	0	0	0	0	0
		3101014	0	0	0	0	0	0
		3101015	0	0	0	0	0	0
		3101016	0	0	0	0	0	0
		3101017	0	0	0	0	0	0
		3101018	0	0	0	0	0	0
		3101019	0	0	0	0	0	0
		3101020	0	0	0	0	0	0
		3101021	0	0	0	0	0	0
		3101022	0	0	0	0	0	0
		3101023	0	0	0	0	0	0
		3101024	0	0	0	0	0	0
		3101025	0	0	0	0	0	0

	3101101	0	0	0	0	0	0
	3101102	0	0	0	0	0	0
	3101103	0	0	0	0	0	0
	3101104	0	0	0	0	0	0
	3101105	0	0	0	0	0	0
	3101106	0	0	0	0	0	0
	3101107	0	0	0	0	0	0

Sheldon - Mount Cotto	301021011	3101108	0	0	0	0	0	0
		3101109	0	0	0	0	0	0
		3101110	0	0	0	0	0	0
		3101111	0	0	0	0	0	0
		3101112	0	0	0	0	0	0
		3101113	0	0	0	0	0	0
		3101114	0	0	0	0	0	0
		3101115	0	0	0	0	0	0
		3101116	0	0	0	0	0	0

Thornlands	301021012	3101201	0	0	0	0	0	0
		3101202	0	0	0	0	0	0
		3101203	0	0	0	0	0	0
		3101204	0	0	0	0	0	0
		3101205	0	0	0	0	0	0
		3101206	0	0	0	0	0	0
		3101207	0	0	0	0	0	0
		3101208	0	0	0	0	0	0
		3101209	0	0	0	0	0	0
		3101210	0	0	0	0	0	0
		3101211	0	0	0	0	0	0
		3101212	0	0	0	0	0	0
		3101213	0	0	0	0	0	0
		3101214	0	0	0	0	0	0
		3101215	0	0	0	0	0	0
		3101216	0	0	0	0	0	0
		3101217	0	0	0	0	0	0
		3101218	0	0	0	0	0	0
		3101219	0	0	0	0	0	0
		3101220	0	0	0	0	0	0
		3101221	0	0	0	0	0	0
		3101222	0	0	0	0	0	0
		3101223	0	0	0	0	0	0
		3101224	0	0	0	0	0	0
		3101225	0	0	0	0	0	0
		3101226	0	0	0	0	0	0
		3101227	0	0	0	0	0	0
		3101228	0	0	0	0	0	0
		3101229	0	0	0	0	0	0

		3101301	0	0	0	0	0	0
		3101302	0	1	4	3	2	2
		3101303	0	1	4	3	2	2
		3101304	0	0	1	0	0	0
		3101305	1	2	6	3	2	2
		3101306	1	0	12	13	36	36
		3101307	0	0	0	0	0	0
		3101308	1	0	0	0	0	0
		3101309	0	0	0	0	0	0
		3101310	1	0	0	0	0	0
		3101311	1	0	0	0	0	0
		3101312	0	4	0	0	0	0
		3101313	0	0	0	0	0	0
		3101314	1	2	0	0	0	0
		3101315	1	2	1	0	0	0
		3101316	0	0	0	0	0	0
		3101317	0	0	1	1	0	0

Victoria Point	301021013	3101318	1	1	1	0	0	0
		3101319	1	0	0	0	0	0
		3101320	0	0	0	0	0	0
		3101321	0	0	0	0	0	0
		3101322	1	1	1	0	0	0
		3101323	0	0	1	0	0	0
		3101324	1	0	0	0	0	0
		3101325	0	2	0	0	0	0
		3101326	0	0	0	0	0	0
		3101327	0	0	1	1	0	0
		3101328	0	0	0	0	0	0
		3101329	0	0	0	0	0	0
		3101330	1	0	0	0	0	0
		3101331	0	1	0	0	0	0
		3101332	0	0	0	0	0	0
		3101333	0	0	0	0	0	0
		3101334	1	0	0	0	0	0
		3101335	0	4	0	0	0	0
		3101336	0	0	0	0	0	0
Total		13	21	338	554	692	92	

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